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Mental Health in Mali:

An Analysis of the Expression of Major Depressive Disorder across Different <u>Cultures</u>

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Introduction: Mental Health in the Developing World

In the last several decades we have witnessed an explosion of awareness towards health issues in the developing world. The health issues range from child malnutrition to multi-drug resistant tuberculosis, from the AIDS epidemic to female reproductive health, and from a rise in non-communicable diseases such as cardiovascular disease to malaria. However, despite all of this increased attention given to health in the developing world, the issue of mental health has been virtually ignored.

Many people wrongly believe that mental health is a luxury of wealthy nations. This mistaken belief could not be further from the truth. The World Health Organization writes in their Mental Health Gap Action Programme (mhGAP), "Mental, neurological, and substance abuse disorders are highly prevalent and burdensome worldwide. The violations of human rights directed toward people with these disorders compound the problem. The resources that have been provided to tackle the huge burden are insufficient, inequitably distributed, and inefficiently used, which results in a large majority of the population with these disorders receiving no care at all" (WHO 2008). The mhGAP was especially developed to address the inequalities in mental health treatment between low, middle, and high income countries.

Mental, neurological, and substance abuse disorders are highly taxing health issues in today's world. They account for 14% of the global burden of disease measured in daily life adjusted years (DALY's) and 30% of the global burden of non-communicable diseases (WHO 2009). One might expect the greatest portion of burden due to a mental, neurological or substance abuse disorder to be found in a wealthy nation; however, 75% of those affected by a mental, neurological, or substance abuse disorder live in low-income countries, and thus are less likely to have access to adequate treatment (WHO 2009). Depression is ranked the 7th most important cause of disease burden in low and middle income countries, as it tends to be

disabling, reoccurring, and often remains untreated (WHO 2009). One of the most traumatic possible effects of depression is suicide. Approximately 800,000 people commit suicide every year, and 86% of these victims live in low and middle-income countries (WHO 2009). Shortages of services include a lack of available medically trained professionals, such as psychiatrists, psychiatric nurses, psychologists, and social workers. Low-income countries have 0.05 psychiatrists and 0.16 psychiatric nurses per 100,000 people, compared to a rate 200 times more in high-income countries (WHO 2009). It is unmistakable that the developing world possesses a significant portion of the burden caused by mental, neurological, and substance abuse disorders, yet this burden is consistently overlooked by both global health professionals and the general public.

After careful consideration, the high prevalence of mental, neurological, and substance abuse disorders in developing countries should not be surprising. There is a clear, direct relationship between poverty and poor mental health. Poverty and poor mental health interact in a vicious, negative cycle; poor mental health causes poverty and poverty causes poor mental health. For example, an individual born with a neurological disease is more likely to face challenges when attempting to find employment and earn a living. If the person is unable to financially support themselves he or she will become impoverished. Living a life of poverty may cause this individual to become depressed at his or her lack of monetary success. This depression can lead to a substance abuse disorder and increased poverty. The interaction between poor mental health and poverty is highly prevalent and highly dangerous. Poor mental health interferes with a child's ability to learn, an adult's ability to work, and individual's ability to maintain health, supportive relationships with family and friends. Mental, neurological, and substance abuse disorders also tend to be persistent; meaning the cost of treatment may last for weeks, months, or even years.

Apart from the relationship between poverty and poor mental health, the high prevalence of mental, neurological, and substance abuse disorders should not be unexpected because there is a direct relationship between poor physical health and poor mental health. Low-income countries generally lack an adequate public health infrastructure. This lack of infrastructure leads to increased problems with physical health at all levels of health. Infants are less likely to receive all the necessary vaccinations, children are more likely to suffer from malnutrition and vitamin deficiencies, and hospitals are less likely to have advanced technology and services in low-income countries. As the AIDS epidemic continues to grow at a startling rate, fascinating research is being performed on the mental health status of HIV victims and if having a positive mental health status improves likelihood of living with AIDS.

Mental health has been irresponsibly ignored from the public health agenda until only recently. And even today, this burdensome health concern does not receive the attention it truly deserves. The past organization of mental health services, centralized in big cities and large institutions, uses limited resources inefficiently, isolates patients from family and community support networks, and is often associated with human rights violations. Public health leadership must work to integrate mental health services into the primary health care system, particularly where resources are so scarce and the burden of mental, neurological, and substance abuse disorders are so great.

Introduction: The Intersection of Psychiatry and Anthropology

My initial Independent Study Project (ISP) proposal, attached to my application for The School for International Training's "Gender, Health, and Development" Program in Mali, was centred on AIDS and violence against women in Mali. I argued that in spite of Mali's historically low AIDS prevalence the structural gender-based violence against women, clearly evident today in Mali, made the population vulnerable to a rapid increase in HIV prevalence. This topic suited me well, it was focused around two of my primary academic interests (AIDS and women), and it represents a pressing global health issue.

Upon my arrival in Mali, I was quickly placed with a generous and patient home-stay family who has been my greatest resource during my semester here. Immediately I began to spend as much time as possible with my Malian family and their friends. After a few days I was struck by a strange realization about my Malian acquaintances, I could never really tell if my family and friends were happy or not. Though I did observe a significant amount of joking and laughter, there was an overwhelming consensus that "life is too difficult." I was vaguely thought that everyone seemed reminiscent for simple, happier times, but from my perspective, life could not be any simpler or more relaxed than in Mali. I became torn, either people in Mali were the happiest people on Earth or they were all terribly depressed.

My Tanti, my second mother, was one of my greatest inspirations to change my ISP topic to mental health. After developing a trustworthy relationship with her and hearing about her past life before my arrival in Bamako, I began to wonder if she might be depressed. After doing some preliminary research on depression I learned that individuals in non-Western countries often report depression through psychosomatic symptoms, such as headaches, bodyaches, or fatigue, more often than symptoms that are traditionally associated with depression, such as sadness, hopelessness, or guilt. My Tanti complains of headaches or fatigue on a daily basis.

I was intrigued. What other differences exist between illnesses across different cultures? Are the differences only found in the manifestation of symptoms or are there also biological differences? How does one conceptualize mental health issues, such as depression, here in Mali? Is there a stigma against mental health patients in Mali? What facilities, treatments, and medicines are available in Mali to treat mental disorder? After a little more background research I found that the topic of mental health in the developing world has been largely ignored until very recently.

As cross-cultural studies in every academic discipline become increasingly more prevalent, anthropology contributes a unique and valuable perspective to providing crosscultural validity. Furthermore, the world is shrinking rapidly. As globalization accelerates, previously distinct, isolated cultures blend into a melange of new integrated cultures. Anthropology provides an academic context for the observation of different societies and the analysis of similarities and differences between different cultures.

At this point it may be helpful to step back for a moment and define the word "culture." Although the idea may seem simple, in reality there are an infinite number of definitions and many of them are highly elusive. Culture is defined by Edward Burnett Tylor in 1874 as the "complex whole which includes knowledge, belief, art, morals, law, custom, and any other capabilities and habits acquired by man as a member of society" (Tylor 1874). This is the definition of culture that should be understood for the remainder of this paper. It is also essential at this point to note that culture is not a static phenomenon, but instead culture is constantly evolving. One of the most prominent techniques in anthropological fieldwork is the "return to the field." The culture of a given society is likely to change over the course of several years thus it can be very valuable for a researcher to return to the same site multiple times to examine the differences and similarities within the culture over a long period of time.

There is a long tradition of cross-over between the fields of medicine and anthropology. A background of medical knowledge can be useful for anthropologists because many anthropologists study health and medicinal practices within a given society. Indeed, the state of illness is a human universal. However, there is infinite diversity when examining the ways different societies react to a state of illness. A familiarity with anthropology can also be helpful to practicing psychiatrists. Psychiatrists are more likely to notice cultural subtleties in patients if they have a background in anthropology. Within the field of medical anthropology the distinction between disease and illness is very important. Disease is defined as a "malfunctioning or maladaptation of biological or psychological processes" and illness is defined as "the personal, interpersonal, and cultural reaction to disease" (Kleinman 1977). Although there is a distinction between these two concepts, disease and illness behaviour both interact within a given afflicted individual—neither disease nor illness can exist without the other. Thus, knowledge of both the biology of disease and how a given individual's behaviour will reflect illness is necessary in medical anthropological research.

When considering mental health issues, the discipline of anthropology becomes even more essential. Mental health issues are often described as the "uncharted territory" of medicine today. This is in part due to the undeniable fact that many of the causes of mental illness (biological, psychological, and environmental) are affected by the culture in which an individual lives. Furthermore, the description by a patient of mental illness is influenced by what is culturally acceptable and what is culturally taboo. It is essential for psychiatrists practicing within multi-cultural populations to have a basic understanding of how culture will affect the illness behaviour of their patients.

Introduction: Universality versus Cultural Relativism

Within the field of psychiatry there exists a great debate over the "universalities," or cross-cultural similarities within mental disorder. A significant portion of cross-cultural psychiatric research has been initiated from a wish to demonstrate that psychiatric disorder is like any other physical disorder; in particular, it occurs in all societies and can be detected using standardized diagnostic techniques. Other psychiatric research suggests that there are significant differences between the ways mental disorder manifests itself within different cultural settings.

The Diagnostic and Statistical Manual of Mental Disorders, 4th Edition (DSM-IV), is a manual published by the American Psychiatric Association (APA) that includes all currently recognized mental health disorders. The DSM-IV was written as an attempt to systematically categorize human emotional troubles and behaviour. The manual lists diagnostic criteria for mental disorders with the hope of helping clinicians formulate diagnoses and choose between different treatment options. Although the rich diversity of human behaviour cannot be completely portrayed in a single diagnostic manual, it is the aim of the DSM-IV is to describe that which is common to a number of patients, across different ages of life, sexes, and cultures, and therefore the DSM-IV can be viewed as a proponent of universalities or cross-cultural similarities within mental disorder.

According to the DSM-IV major depressive disorder is defined as a mood disorder, and characterized by a depressed mood that persists for at least two weeks. The DSM-IV states that an episode of major depression must present at least five of the listed symptom criteria including either (1) a depressed mood or (2) a loss of interest or pleasure. Other potential symptoms include changes in appetite, changes in sleeping pattern, increased agitation or psychomotor slowdown, fatigue, feelings of worthlessness, inability to

concentrate, and suicidal thoughts. The other exclusionary criteria for major depression include (1) the symptoms are not attributable to the direct physiological effects of a substance or a general medial ailment, (2) the symptoms are not explained by a case of bereavement, and (3) the symptoms do not fulfil the criteria for another mood disorder, such as bipolar disorder. It is clear that the DSM-IV lists specific, definitive criteria to diagnose a case of major depression, and the manual leaves little room for the interpretation of different crosscultural manifestations of mental disorder.

The World Health Organization's International Pilot Study of Schizophrenia (1973) is another study that supports the notion of cross-cultural universalities among mental disorder. The International Pilot Study of Schizophrenia (IPSS) hypothesized that core symptoms of schizophrenia would cluster together in a similar way across Western and non-Western, industrialized and non-industrialized societies. The IPSS was a non-epidemiological, clinicbased comparison that applied a template of symptoms to psychotic patients in a range of societies to identify groups of patients who seemed similar (World Health Organization, 1979). After the IPSS was completed, the Determinants of Outcome Study was performed comparing more than 1300 cases of psychotic disorder in twelve centers of ten countries. The authors note "patients with the diagnosis of schizophrenia in the different populations and cultures share many features at the level of symptomology" (Sartorius et al, 1986). The authors conclude that "the existence of broad similarities or manifestations of schizophrenia across centers was established" (Sartorius et al, 1986).

Arthur Kleinman, a leading source on the intersection of psychiatry and anthropology, performed the majority of his fieldwork in China analyzing the way depression is manifested within non-Western contexts. In his article "Culture and Depression" Kleinman writes, "In many parts of the Chinese society, the experience of depression is physical rather than psychological. Many depressed Chinese people do not report feeling sad, but rather express

boredom, discomfort, feelings of inner pressure, and symptoms of pain, dizziness, and fatigue" (Kleinman 2004). He takes this argument so far to say that culture may create distinctive environments for gene expression and physiological reaction, resulting in a local biology for depression. He cites research that demonstrates that people from various ethnic backgrounds metabolize antidepressant drugs in different ways as evidence.

A study of depressive disorder performed in the Dogon Plateau suggests a possible counterposition of the two ways of expression depression, commonly considered autonomous. The authors describe these two ways of expression depression as "conventional depression," the symptoms including sadness and loss of interest, and "paranoid psychosomatic depression," the symptoms including headaches, fatigue, and paranoia. The results support the hypothesis of an independence of psychosomatic from depressive symptoms. The screening instrument used in this study was the Questionnaire pour le Depistage en Santé Mentale, a structured interview of 23 items based on the Self-Reporting Questionnaire. The sample was selected from the general population of a Bandiagara village (Carta et al. 1999).

In the debate of universalism versus cultural relativity in mental disorder, although there is evidence for broad similarities among certain disorders (such as schizophrenia), most academics currently agree that there are many differences in the manifestation of major depressive disorder across different cultures. Furthermore, culture influences the way individuals experience their symptoms, the idioms used to report their symptoms, their decisions about treatment options, their relationships with medical professionals, and the likelihood of outcomes such as suicide.

Introduction: Hypotheses

<u>Null Hypothesis</u>: There is no statistically significant difference in the expression of major depressive disorder across a Western population, an urban Malian population, and a rural Malian population based on the screening instrument Beck Depression Inventory.

<u>Hypothesis</u>: Based on the widespread finding that somatic symptoms in depression and anxiety disorders play a more central role in the experience and expression of disorder in non-Western societies, I hypothesize that the data collected from the Beck Depression Inventory will show a difference in the expression of depression across a Western population, an urban Malian population, and a rural Malian population. Specifically, I hypothesize that the Western population will emphasize feelings of sadness, guilt, and worthlessness, while the rural Malian population will emphasize changes in sleeping pattern and appetite, fatigue, and feelings of punishment. The urban Malian population will act as a median between these two extremes.

I am basing this hypothesis on observations made while living with families in both urban Bamako and rural Sanankoroba. When I arrived in Mali, I was initially very surprised at the amount of access to Western culture available in Bamako. My family watches Western television every day and has access to information from the radio and the internet in cyber cafés. In comparison, the majority of homes in Sanankoroba do not have electricity, and thus televisions, radios, or computers are not readily available. During my observation periods in Sanankoroba I was struck by how disconnected I felt from the rest of the world. I felt a world away from Bamako, let alone the Western world. This isolation certainly created a culture distinct from the culture of Bamako. Based on these two vastly different cultures, there will be differences in the manifestation of major depressive disorder.

<u>Methods</u>

The instrument used in this study was the Beck Depression Inventory-II (BDI-II), a short series of twenty-one items used to measure the intensity, severity, and depth of major depressive disorder. Aaron T. Beck, a pioneer in cognitive therapy, is credited with first designing the BDI in 1961. The second version of the inventory, the BDI-II, was developed to reflect revisions in the Fourth Edition Text Revision of the Diagnostic and Statistical Manual of Mental Disorders (DSM-IV). The BDI was originally developed to detect, assess, and monitor changes in depressive symptoms among people in a mental health care setting. However, it can also be used to detect depressive symptoms in a primary care setting. The exam usually takes between five and ten minutes and is often self-administered. The BDI-II is composed to 21 items, each with four possible responses. Items 1 through 13 assess symptoms that are psychological in nature, while items 14 through 21 assess more physical symptoms.

The individual taking the exam is asked to select which statement of the four possible responses best describes their psychiatric mindset over the preceding two weeks. Each response is assigned a score ranging from zero to three, indicating the severity of the symptom. When the test is administered on the general population, a score of 21 or over represents depression. When the test is administered on a clinically diagnosed population, scores from 0 to 9 represent minimal depressive symptoms, scores 10 to 16 represent mild depression, scores 17 to 29 represent moderate depression, and scores 30 to 63 represent severe depression. The BDI-II can also distinguish between different subtypes of depressive disorders.

The BDI-II has been extensively tested for content validity, concurrent validity, and construct validity. Content validity is the extent to which the items of a test are representative

of that which is to be measured. Because the BDI-II was constructed from a consensus among clinicians about depressive symptoms, the document is said to have content validity. Concurrent validity is a measure of the extent to which a test concurs with already existing standards. Several studies have shown concurrent validity between the BDI-II and the Hamilton Depression Scale and the Minnesota Multiphasic Personality Inventory-D. Construct validity, the extent to which a test measures an internal construct or variable, was shown to be related to medical symptoms, anxiety, stress, loneliness, sleep patterns, alcoholism, suicidal behaviors, and adjustment among youth. Past statistical analysis of the BDI-II shows that the test consistently correlates with sex, race, and age. However, a few studies have shown higher BDI scores to be inversely related to education level.

The BDI-II was translated from English into French and Bambara with the help of the linguistic department at University of Bamako FLASH. The study was conducted on a sample of 60 people randomly selected from the general populations. The three populations were inhabitants of either the United States, Bamako (an urban population), or Sanankoroba (a rural population). For the purpose of this study, the term "urban" should be defined as "core census block groups or blocks that have a population density of at least 1,000 people per square mile and surrounding census blocks that have an overall density of at least 500 people per square mile" and the term "urban" should be defined as a region which is not either an urban area or an urban cluster (US Census Bureau 2008). Therefore the capital city of Bamako, with a population of 1,690,471 citizens, served as the site for the urban population, and Sanankoroba, with a population of approximately 7,000 residents, served as the site for the rural population.

Results: Data Collection

	Sadness	Pessimism	Past Failure Loss of	of Plea Gui	ilty Feeli Puni	shmen Self	-Dislike Self-	Critical Suici	idal The Crying	Ag	itation
B1	1	L 0	2	0	0	0	2	2	0	0	3
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B4	(0 0	0	0	1	0	0	2	0	0	0
B5	1	L O	0	2	0	1	0	1	0	3	3
B6	1			2	0	1	0	1	0	0	1
B7) 0		0	1	0	0	0	0	0	3
B8				3	0	3	0	2	0	3	2
B9) 3		1	0	0	0	0	0	0	0
B10	(1	1	1	0	2	0	2	2
B10 B11		, 0 L 2		3	3	0	0	3	1	3	3
B11 B12	-			1	0	1	0	2	0	3	3
B13	(0	0	0	0	2	1	3	2
B14	(0	0	1	0	2	1	0	1
B15	(0	0	0	0	2	1	3	2
B16	(0	0	0	0	2	1	3	2
B17		2 1		1	0	0	2	0	0	2	2
B18		2 0		0	1	0	0	0	0	0	0
B19	(0 0	0	0	1	1	0	2	0	0	0
B20	2	2 3	3	1	1	1	3	2	1	2	2
W1	() 1	0	0	0	0	0	0	0	0	0
W2	(0 0	1	1	1	0	0	1	1	1	1
W3	3	3 2	3	3	1	2	1	1	0	3	1
W4	() 1	0	0	1	1	0	1	0	0	0
W5	3	3 1	2	1	3	0	3	1	0	1	2
W6	() 1	0	0	1	1	0	2	1	0	1
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W20	(2	0	2	0	0	0	0	3
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S2	(2	0	1	0	2	0	3	0
S3	(0	3	2	0	2	0	0	3
S4		L 0		1	0	2	0	1	0	0	1
S5	(0	0	0	1	2	0	0	2
S6	() 1	0	1	0	1	0	0	0	3	1
S7	(0 0	1	1	1	0	0	1	1	3	3
S8	1	L 0	0	0	0	2	0	2	0	1	2
S9	() 1	0	0	0	0	0	1	0	3	1
S10	(0 0	1	0	0	1	1	2	0	0	2
S11	(0 0	0	0	1	2	0	1	0	0	0
S12		2 0	2	2	1	0	1	2	0	3	1
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W70111110111010W80111110000010W9100210000122013W1000021000010015W110002100000202020202010000100010010011	W5	0	0	3	0	1	3	2	3	0	0	29
W8 0 1 1 1 1 0 0 0 0 1 1 W9 1 0 0 1 1 0 1 2 2 0 13 W10 0 0 2 1 0 0 0 1 0 15 W11 0 0 2 2 1 0 2 0 15 W11 0 0 0 0 1 0 0 0 2 0 16 W12 0 1 1 1 1 0 2 0 0 0 0 0 0 0 1 10 0 1 17 W14 0 0 0 0 0 0 1	W6	0	1	0	1	1	1	1	1	1	1	15
W9100110122013W100021000101515W11001000100215W1201000010002W1311111020209W14000000100111W151220000200311W161000000110066W180001110011<	W7	0	1	1	1	1	0	1	1	1	0	10
W10 0 0 2 1 0 0 0 1 0 15 W11 0 0 2 2 1 0 2 1 2 0 10 W12 0 1 0 0 0 1 0 0 0 0 2 W13 1 1 1 1 1 0 2 0 2 0 9 W14 0 0 0 0 0 0 0 0 1 0 0 1 W15 1 2 3 0 2 0 0 0 1 1 0 0 3 1 11 W17 0 2 2 0 0 1 1 1 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <	W8	0	1	1	1	1	0	0	0	0	0	10
W11 0 0 2 2 1 0 2 1 2 0 10 W12 0 1 0 0 0 0 0 0 2 0 2 0 2 W13 1 1 1 1 0 0 0 0 0 0 1 W14 0 0 0 0 0 0 0 0 1 0 1 1 0 0 1 W15 1 2 3 0 2 3 0 3 2 1 17 W16 1 0 0 0 1 1 3 1 0 1<	W9	1	0	0	1	1	0	1	2	2	0	13
W12 0 1 0 0 0 2 0 2 W13 1 1 1 1 0 2 0 2 0 9 W14 0 0 0 0 0 0 0 1 0 0 1 W15 1 2 3 0 2 3 0 2 0 0 3 W16 1 0 0 0 0 0 0 1 1 0 0 6 W18 0 0 1 1 3 1 0 0 1 1 1 0 0 1 1 1 1 0 0 1 <td></td> <td>0</td> <td>0</td> <td>2</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td></td>		0	0	2	1	0	0	0	0	1	0	
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W15123023032117W1610000002003W1702200011006W180011131013111W19030001110016W2001110003017S1223333213338S2312230303230S30002102011026S521021001001101S611011011011011S610011011011011S7100110111011101110111011101111011<												
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\$19 2 2 0 0 2 0 0 0 1 7				0			1	1	2		0	10
<u>520</u> 1 0 1 3 2 0 2 3 0 2 14												
	S20	1	0	1	3	2	0	2	3	0	2	14

Descriptive Data:

Sadness	Pessimism	Past Failures	Loss of Pleasure	Guilty Feelings	
Mean	0.6 Mean	0.65 Mean	0.55 Mean	0.75 Mean	0.55
Standard Error	0.168585 Standard Error	0.243602 Standard Error	0.223312 Standard Error	0.227977 Standard Error	0.55
					0.109752
Median Mode	0 Median 0 Mode	0 Median 0 Mode	0 Median 0 Mode	0 Median 0 Mode	0
Standard Deviation	0.753937 Standard Deviation	1.089423 Standard Deviation	0.998683 Standard Deviation	1.019546 Standard Deviation	0.759155
Sample Variance	0.753937 Standard Deviation 0.568421 Sample Variance	1.186842 Sample Variance	0.998683 Standard Deviation 0.997368 Sample Variance	1.039474 Sample Variance	0.759155
Range	2 Range	3 Range	3 Range	3 Range	3
Minimum	0 Minimum	0 Minimum	0 Minimum	0 Minimum	0
Maximum	2 Maximum	3 Maximum	3 Maximum	3 Maximum	3
Sum	12 Sum	13 Sum	11 Sum	15 Sum	11
5011	12 5011	15 5011	11 Juni	15 5011	11
Sadness	Pessimism	Past Failures	Loss of Pleasure	Guilty Feelings	
Mean	0.9 Mean	1 Mean	0.65 Mean	0.6 Mean	0.7
Standard Error	0.250263 Standard Error	0.177705 Standard Error	0.181731 Standard Error	0.210263 Standard Error	0.179179
Median	0.5 Median	1 Median	0.5 Median	0 Median	1
Mode	0 Mode	1 Mode	0 Mode	0 Mode	0
Standard Deviation	1.11921 Standard Deviation	0.794719 Standard Deviation	0.812728 Standard Deviation	0.940325 Standard Deviation	0.801315
Sample Variance	1.252632 Sample Variance	0.631579 Sample Variance	0.660526 Sample Variance	0.884211 Sample Variance	0.642105
Range	3 Range	3 Range	3 Range	3 Range	3
Minimum	0 Minimum	0 Minimum	0 Minimum	0 Minimum	0
Maximum	3 Maximum	3 Maximum	3 Maximum	3 Maximum	3
Sum	18 Sum	20 Sum	13 Sum	12 Sum	14
Sadness	Pessimism	Past Failures	Loss of Pleasure	Guilty Feelings	
Mean	0.25 Mean	0.3 Mean	0.7 Mean	0.6 Mean	0.5
Standard Error	0.25 Mean 0.12301 Standard Error	0.3 Mean 0.127733 Standard Error	0.7 Mean 0.206474 Standard Error	0.6 Mean 0.152177 Standard Error	0.5
Median	0.12301 Standard Error 0 Median	0.127733 Standard Error 0 Median	0.206474 Standard Error 0 Median	0.152177 Standard Error 0.5 Median	0.184961
			0 Mode		0
Mode	0 Mode	0 Mode		0 Mode	
Standard Deviation	0.55012 Standard Deviation	0.571241 Standard Deviation	0.923381 Standard Deviation	0.680557 Standard Deviation	0.82717
Sample Variance	0.302632 Sample Variance	0.326316 Sample Variance	0.852632 Sample Variance	0.463158 Sample Variance	0.684211
Range	2 Range	2 Range	3 Range	2 Range	3
Minimum	0 Minimum	0 Minimum	0 Minimum	0 Minimum	0
Maximum	2 Maximum	2 Maximum	3 Maximum	2 Maximum	3
Sum	5 Sum	6 Sum	14 Sum	12 Sum	10
	- 10 11	- 16 1			
Punishment Feelings	Self-Dislike	Self-Criticalness	Suicidal Thoughts	Crying	
Mean	0.7 Mean	0.35 Mean	1.45 Mean	0.3 Mean	
Mean Standard Error	0.7 Mean 0.206474 Standard Error	0.35 Mean 0.195677 Standard Error	1.45 Mean 0.2112 Standard Error	0.3 Mean 0.105131 Standard Error	0.320362
Mean Standard Error Median	0.7 Mean 0.206474 Standard Error 0.5 Median	0.35 Mean 0.195677 Standard Error 0 Median	1.45 Mean 0.2112 Standard Error 2 Median	0.3 Mean 0.105131 Standard Error 0 Median	0.320362 2
Mean Standard Error Median Mode	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode	0.320362 2 0
Mean Standard Error Median Mode	0.7 Mean 0.206474 Standard Error 0.5 Median	0.35 Mean 0.195677 Standard Error 0 Median	1.45 Mean 0.2112 Standard Error 2 Median	0.3 Mean 0.105131 Standard Error 0 Median	0.320362 2 0
Mean Standard Error Median Mode Standard Deviation	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode	0.320362 2 0 1.432701
Mean Standard Error Median Mode Standard Deviation Skewness	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation	0.320362 2 0 1.432701 -0.05966
Mean Standard Error Median Mode Standard Deviation Skewness Range	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness	0.320362 2 0 1.432701 -0.05966
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum	0.320362 2 0 1.432701 -0.05966 3 0
	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range	1.5 0.320362 2 0 1.432701 -0.05966 3 0 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum	0.320362 2 0 1.432701 -0.05966 3 0 3
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum Self-Dislike	0.35 Mean 0.195677 Standard Error 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum Self-Criticalness	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i>	0.320362 2 0 1.432701 -0.05966 3 0 3 3 30
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Maximum Sum Punishment Feelings Mean	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum Self-Criticalness 1.1 Mean	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean	0.320362 2 0 1.432701 -0.05966 3 0 3 3 30 30
Mean Standard Error Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum Self-Criticalness 1.1 Mean 0.289282 Standard Error	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error	0.320362 2 0 1.432701 -0.05966 3 0 3 0 3 0 0 5 0.184961
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Maximum Sum Punishment Feelings Mean Standard Error Median	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum Self-Dislike 0.6 Mean 0.168585 Standard Error 0 Median	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum Self-Criticalness 1.1 Mean 0.289282 Standard Error 0.5 Median	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median	0.320362 2 0 1.432701 -0.05966 3 0 3 0 3 0 3 0 0.55 0 0 1.432701 3 0 3 0 0 5 0 0 0 5 0 0 0 5 0 0 0 0 0 0
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Maximum Sum Punishment Feelings Mean Standard Error Median Mode	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0 Mode	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum Self-Criticalness 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode	0.320362 2 0 1.432701 -0.05966 3 0 3 0 3 0 3 0 3 0 3 0 0 5 0 5 0 5 0 5
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Deviation	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum Self-Dislike 0.6 Mean 0.168585 Standard Error 0 Median 0 Mode 0.753937 Standard Deviation	0.35 Mean 0.195677 Standard Error 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum Self-Criticalness 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation	0.3 Mean 0.105131 Standard Error 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation	0.320362 2 1.432701 -0.05966 3 0 3 30 0.184961 0 0.184961 0 0.82717
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Deviation	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0 Mode 0.753937 Standard Deviation 0.568421 Sample Variance	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum <i>Self-Criticalness</i> 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation 1.673684 Sample Variance	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode	0.320362 2 1.432701 -0.05966 3 0 0 3 30 30 0.184961 0 0.184961 0 0.82717 0.684211
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Deviation Sample Variance	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum Self-Dislike 0.6 Mean 0.168585 Standard Error 0 Median 0 Mode 0.753937 Standard Deviation	0.35 Mean 0.195677 Standard Error 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum Self-Criticalness 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation	0.3 Mean 0.105131 Standard Error 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation	0.320362 2 0 1.432701 -0.05966 3 0 3 0 3 0 0 5 0.184961 0 0 0.82717 0.684211
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Deviation Sample Variance Range	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0 Mode 0.753937 Standard Deviation 0.568421 Sample Variance	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum <i>Self-Criticalness</i> 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation 1.673684 Sample Variance	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation 0.513158 Sample Variance	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.221053 Sample Variance	0.320362 (1.432702 -0.05966 (0.184962 (0.184962 (0.184962 (0.184962 (0.82711 0.684212 (0.82712 0.684212 (0.8271
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0 Mode 0.753937 Standard Deviation 0.568421 Sample Variance 2 Range	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum <i>Self-Criticalness</i> 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation 1.673684 Sample Variance 3 Range	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation 0.513158 Sample Variance 2 Range	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.221053 Sample Variance 1 Range	0.320362 2 0 1.432701 -0.05966 3 0 0 3 0 0 0.5 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0 Mode 0.753937 Standard Deviation 0.568421 Sample Variance 2 Range 0 Minimum	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum <i>Self-Criticalness</i> 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation 1.673684 Sample Variance 3 Range 0 Minimum	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation 0.513158 Sample Variance 2 Range 0 Minimum	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.221053 Sample Variance 1 Range 0 Minimum	0.320362 2 0 1.432701 -0.05966 3 0 3 0 3 0 0.184961 0 0.82717 0.684211 3 0.6842110 0.6842110 0.68421100000000000000000000000000000000000
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0 Mode 0.753937 Standard Deviation 0.568421 Sample Variance 2 Range 0 Minimum 2 Maximum	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum Self-Criticalness 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation 1.673684 Sample Variance 3 Range 0 Minimum 3 Maximum	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation 0.513158 Sample Variance 2 Range 0 Minimum 2 Maximum	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.221053 Sample Variance 1 Range 0 Minimum 1 Maximum	0.320362 2 0 1.432701 -0.05966 3 0 3 0 3 0 0.184961 0 0.82717 0.684211 3 0.6842110 0.6842110 0.68421100000000000000000000000000000000000
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum Punishment Feelings	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0.168585 Standard Error 0 Median 0.568421 Sample Variance 2 Range 0 Minimum 2 Maximum 12 Sum <i>Self-Dislike</i>	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum <i>Self-Criticalness</i> 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation 1.673684 Sample Variance 3 Range 0 Minimum 3 Maximum 22 Sum <i>Self-Criticalness</i>	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation 0.513158 Sample Variance 2 Range 0 Minimum 2 Maximum 15 Sum	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.221053 Sample Variance 1 Range 0 Minimum 1 Maximum 6 Sum	0.320362 2 1.432701 -0.05966 3 3 0 3 0.05966 3 3 0 0.184961 0 0.82717 0.684211 0 0.684211 0 0.684211 0 0 10
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum Punishment Feelings Mean	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0.168585 Standard Error 0 Mode 0.753937 Standard Deviation 0.568421 Sample Variance 2 Range 0 Minimum 2 Maximum 12 Sum <i>Self-Dislike</i> 1.2 Mean	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum <i>Self-Criticalness</i> 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation 1.673684 Sample Variance 3 Range 0 Minimum 3 Maximum 22 Sum <i>Self-Criticalness</i> 0.3 Mean	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation 0.513158 Sample Variance 2 Range 0 Minimum 2 Maximum 15 Sum Suicidal Thoughts 1.3 Mean	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0.105131 Standard Error 0 Mode 0.470162 Standard Deviation 0.221053 Sample Variance 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.1 Mean	0.320362 2 0 1.432701 -0.05966 3 0 0 3 0 0 0.184961 0 0 0.82717 0.684211 3 0.684211 3 0 0 5 10 10 10 10 10 10 10 10 10 10 10 10 10
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum Punishment Feelings Mean Standard Error	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0 Mode 0.753937 Standard Deviation 0.568421 Sample Variance 2 Range 0 Minimum 2 Maximum 12 Sum <i>Self-Dislike</i> 1.2 Mean 0.236198 Standard Error	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum <i>Self-Criticalness</i> 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation 1.673684 Sample Variance 3 Range 0 Minimum 3 Maximum 22 Sum <i>Self-Criticalness</i> 0.3 Mean 0.105131 Standard Error	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation 0.513158 Sample Variance 2 Range 0 Minimum 2 Maximum 15 Sum Suicidal Thoughts 1.3 Mean 0.193309 Standard Error	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.221053 Sample Variance 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.1 Mean 0.068825 Standard Error	0.320363 (1.432703 -0.05966 (1.432703 -0.05966 (1.432703 0.05967 0.05967 0.05967 0.05971 0.684211 0.684211 0.684211 1.0 0.100 1.0000 1.0000 1.000 1.0000 1.0000 1.0000 1.000 1.0000 1.0000 1
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0 Mode 0.753937 Standard Deviation 0.568421 Sample Variance 2 Range 0 Minimum 2 Maximum 12 Sum <i>Self-Dislike</i> 1.2 Mean 0.236198 Standard Error 1 Median	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum <i>Self-Criticalness</i> 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation 1.673684 Sample Variance 3 Range 0 Minimum 3 Maximum 22 Sum <i>Self-Criticalness</i> 0.3 Mean 0.105131 Standard Error 0 Median	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation 0.513158 Sample Variance 2 Range 0 Minimum 2 Maximum 15 Sum Suicidal Thoughts 1.3 Mean 0.193309 Standard Error 1 Median	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.221053 Sample Variance 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.1 Mean 0.068825 Standard Error 0 Median	0.320363 (1.432703 -0.05966 (0.05966 (0.05966 (0.184965 (0.184965 (0.082717 0.684211 (0.684211 (0.684211 (0.684211 (0.16966 (0.184965 (0.184955 (0.19555 (0.195555 (0.195555 (0.1955555 (0.19555555555555555555555555555555555555
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0 Mode 0.753937 Standard Deviation 0.568421 Sample Variance 2 Range 0 Minimum 2 Maximum 12 Sum <i>Self-Dislike</i> 1.2 Mean 0.236198 Standard Error 1 Median 2 Mode	0.35 Mean 0.195677 Standard Error 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum Self-Criticalness 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation 1.673684 Sample Variance 3 Range 0 Minimum 3 Maximum 22 Sum Self-Criticalness 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation 0.513158 Sample Variance 2 Range 0 Minimum 2 Maximum 15 Sum Suicidal Thoughts 1.3 Mean 0.193309 Standard Error 1 Median 2 Mode	0.3 Mean 0.105131 Standard Error 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.221053 Sample Variance 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.1 Mean 0.068825 Standard Error 0 Median 0 Mode	0.320363 (1.432703 -0.05966 (0.05966 (0.05966 (0.052713 0.684213 (
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Error Median Mode Standard Error	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0 Mode 0.753937 Standard Deviation 0.568421 Sample Variance 2 Range 0 Minimum 2 Maximum 12 Sum <i>Self-Dislike</i> 1.2 Mean 0.236198 Standard Error 1 Median 2 Mode 1.056309 Standard Deviation	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum <i>Self-Criticalness</i> 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation 1.673684 Sample Variance 3 Range 0 Minimum 3 Maximum 22 Sum <i>Self-Criticalness</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation 0.513158 Sample Variance 2 Range 0 Minimum 2 Maximum 15 Sum Suicidal Thoughts 1.3 Mean 0.193309 Standard Error 1 Median 2 Mode 0.864505 Standard Deviation	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.221053 Sample Variance 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.1 Mean 0.068825 Standard Error 0 Median 0.068825 Standard Error 0 Median 0 Mode 0.307794 Standard Deviation	0.320362 (1.432701 -0.05966 (0.32701 0.184962 (0.82711 0.68421 0.684211
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Error Median Mode Standard Error	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0 Mode 0.753937 Standard Deviation 0.568421 Sample Variance 2 Range 0 Minimum 2 Maximum 12 Sum <i>Self-Dislike</i> 1.2 Mean 0.236198 Standard Error 1 Median 2 Mode	0.35 Mean 0.195677 Standard Error 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum Self-Criticalness 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation 1.673684 Sample Variance 3 Range 0 Minimum 3 Maximum 22 Sum Self-Criticalness 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation 0.513158 Sample Variance 2 Range 0 Minimum 2 Maximum 15 Sum Suicidal Thoughts 1.3 Mean 0.193309 Standard Error 1 Median 2 Mode	0.3 Mean 0.105131 Standard Error 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.221053 Sample Variance 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.1 Mean 0.068825 Standard Error 0 Median 0 Mode	0.320363 (1.432703 -0.05966 (0.184965 0.184965 0.184965 0.184965 0.184965 1.0 0.684213 0.684213 0.684213 0.684213 0.184965 1.1 0.327667 1.46538
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Standard Error Median Mode Standard Error Median Standard Error Median Standard Error	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0 Mode 0.753937 Standard Deviation 0.568421 Sample Variance 2 Range 0 Minimum 2 Maximum 12 Sum <i>Self-Dislike</i> 1.2 Mean 0.236198 Standard Error 1 Median 2 Mode 1.056309 Standard Deviation	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum <i>Self-Criticalness</i> 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation 1.673684 Sample Variance 3 Range 0 Minimum 3 Maximum 22 Sum <i>Self-Criticalness</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation 0.513158 Sample Variance 2 Range 0 Minimum 2 Maximum 15 Sum Suicidal Thoughts 1.3 Mean 0.193309 Standard Error 1 Median 2 Mode 0.864505 Standard Deviation	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.221053 Sample Variance 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.1 Mean 0.068825 Standard Error 0 Median 0.068825 Standard Error 0 Median 0 Mode 0.307794 Standard Deviation	0.320363 (1.432703 -0.05966 (1.432703 (1.432703 (1.432703 (1.432703 (1.44538 2.147363 (1.46538 (1.46538 (1.46538 (1.46538 (1.46538) (1.46538 (1.46538)
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Standard Error Median Standard Error Median Standard Error Median Standard Error Median Standard Deviation Sample Variance Range	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0 Mode 0.753937 Standard Deviation 0.568421 Sample Variance 2 Range 0 Minimum 2 Maximum 12 Sum <i>Self-Dislike</i> 1.2 Mean 0.236198 Standard Error 1 Median 2 Mode 1.056309 Standard Deviation 1.115789 Sample Variance	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum <i>Self-Criticalness</i> 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation 1.673684 Sample Variance 3 Range 0 Minimum 3 Maximum 22 Sum <i>Self-Criticalness</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.221053 Sample Variance	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation 0.513158 Sample Variance 2 Range 0 Minimum 2 Maximum 15 Sum Suicidal Thoughts 1.3 Mean 0.193309 Standard Error 1 Median 2 Mode 0.864505 Standard Deviation 0.747368 Sample Variance	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.221053 Sample Variance 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.1 Mean 0.068825 Standard Error 0 Median 0.068825 Standard Error 0 Median 0 Mode 0.307794 Standard Deviation 0.094737 Sample Variance	0.320362 (1.432701 -0.05966 (0.3 0.184962 (0.184962 (0.82717 0.684212 (0.684212 (0.684212 (0.327677 (1.46538 2.147368 (1.46538) (1.46538 (1.46538) (1.46
Mean Standard Error Median Mode Standard Deviation Skewness Range Minimum Maximum Sum Punishment Feelings Mean Standard Error Median Mode Standard Error Median Sample Variance Range Minimum Maximum Sum	0.7 Mean 0.206474 Standard Error 0.5 Median 0 Mode 0.923381 Standard Deviation 1.568757 Skewness 3 Range 0 Minimum 3 Maximum 14 Sum <i>Self-Dislike</i> 0.6 Mean 0.168585 Standard Error 0 Median 0.168585 Standard Error 0 Mode 0.753937 Standard Deviation 0.568421 Sample Variance 2 Range 0 Minimum 2 Maximum 12 Sum <i>Self-Dislike</i> 1.2 Mean 0.236198 Standard Error 1 Median 2 Mode 1.056309 Standard Deviation 1.115789 Sample Variance 3 Range	0.35 Mean 0.195677 Standard Error 0 Median 0 Mode 0.875094 Standard Deviation 2.344373 Skewness 3 Range 0 Minimum 3 Maximum 7 Sum <i>Self-Criticalness</i> 1.1 Mean 0.289282 Standard Error 0.5 Median 0 Mode 1.293709 Standard Deviation 1.673684 Sample Variance 3 Range 0 Minimum 3 Maximum 22 Sum <i>Self-Criticalness</i> 0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.221053 Sample Variance 1 Range	1.45 Mean 0.2112 Standard Error 2 Median 2 Mode 0.944513 Standard Deviation -0.67356 Skewness 3 Range 0 Minimum 3 Maximum 29 Sum Suicidal Thoughts 0.75 Mean 0.160181 Standard Error 1 Median 1 Mode 0.71635 Standard Deviation 0.513158 Sample Variance 2 Range 0 Minimum 2 Maximum 15 Sum Suicidal Thoughts 1.3 Mean 0.193309 Standard Error 1 Median 2 Mode 0.864505 Standard Deviation 0.747368 Sample Variance 3 Range	0.3 Mean 0.105131 Standard Error 0 Median 0 Mode 0.470162 Standard Deviation 0.9453 Skewness 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.3 Mean 0.105131 Standard Error 0 Median 0.10162 Standard Deviation 0.221053 Sample Variance 1 Range 0 Minimum 1 Maximum 6 Sum <i>Crying</i> 0.1 Mean 0.068825 Standard Error 0 Median 0 Mode 0.307794 Standard Deviation 0.094737 Sample Variance 1 Range	0.320362 2 0 1.432701 -0.05966 3 0 3

Agitation	Loss of I	nterest	Ind	lecisiveness		Worthlessness		Loss of Energy	
Mean	1.7 Mean		1.35 Mean		0.85 N	Mean	0.4	Mean	0.55
Standard Error	0.262578 Standard Ei	ror	0.264326 Standa	rd Error		Standard Error		Standard Error	0.198348
Median	2 Median	101	1 Media			Vedian		Median	0.198348
				11				Mode	0
Mode	2 Mode		0 Mode			Mode	-		
Standard Deviation		eviation	1.182103 Standa			Standard Deviation		Standard Deviation	0.887041
Skewness	-0.42904 Skewness		0.292604 Skewn	ess	1.087928 5			Skewness	1.592357
Range	3 Range		3 Range			Range		Range	3
Minimum	0 Minimum		0 Minim	um	0 1	Vinimum	0	Minimum	0
Maximum	3 Maximum		3 Maxim	ium	3 1	Maximum	2	Maximum	3
Sum	34 Sum		27 Sum		17 5	Sum	8	Sum	11
Agitation	Loss of Inte	rest	Indecis	siveness	L	Northlessness		Loss of Energy	
Mean	0.6 Mean		0.3 Mean		0.8 M		0.9	Mean	0.6
Standard Error	0.197351 Standard Er	ror	0.127733 Standa	ird Error	0.2 5	Standard Error	0.228266	Standard Error	0.133771
Median	0 Median		0 Media	n	1 1	Median	1	Median	1
Mode	0 Mode		0 Mode		0 1	Node	0	Mode	1
Standard Deviation	0.88258 Standard D	eviation	0.571241 Standa	rd Deviation	0.894427 \$	Standard Deviation	1.020836	Standard Deviation	0.598243
Sample Variance	0.778947 Sample Var		0.326316 Sample			Sample Variance		Sample Variance	0.357895
Range	3 Range		2 Range			Range		Range	2
-	0		0			0		Minimum	
Minimum	0 Minimum		0 Minim			Vinimum			0
Maximum	3 Maximum		2 Maxim	ium		Maximum		Maximum	2
Sum	12 Sum		6 Sum		16 9	bum	18	Sum	12
Agitation	Loss of I	nterest	Ind	lecisiveness		Worthlessness		Loss of Energy	
Moon	16 Maan		1 / 1/0		07.	loop	0.45	Moon	1 7
Mean	1.6 Mean		1.4 Mean		0.7 N			Mean	1.7
Standard Error	0.210263 Standard Er	ror	0.233959 Standa			Standard Error		Standard Error	0.23056
Median	1.5 Median		1.5 Media	n		Vedian		Median	2
Mode	1 Mode		2 Mode		1 1	Vode	0	Mode	2
Standard Deviation	0.940325 Standard D	eviation	1.046297 Standa	rd Deviation	0.656947 \$	Standard Deviation	0.825578	Standard Deviation	1.031095
Sample Variance	0.884211 Sample Var	iance	1.094737 Sample	e Variance	0.431579 \$	Sample Variance	0.681579	Sample Variance	1.063158
Range	3 Range		3 Range		2 F	Range	3	Range	3
Minimum	0 Minimum		0 Minim	um		Vinimum		Minimum	0
Maximum	3 Maximum		3 Maxim			Maximum		Maximum	3
Sum	32 Sum		28 Sum		14 9			Sum	34
									-
anges in Sleeping Patter	rn Irritability		Changes in Appetite	Concen	tration Difficult	y Fatigu	е	Loss of Interest in Se	ex .
Mean	0.75 Mean	0.4	Mean	0.65 Mean		0.75 Mean		0.95 Mean	0.5
Standard Error	0.190221 Standard Error		Standard Error	0.195677 Stand		0.25 Standard Erro	or 0.1	198348 Standard Error	0.170139
Median	1 Median) Median	0 Media		0 Median		1 Median	0.170135
Mode	0 Mode	C) Mode	0 Mode	2	0 Mode		1 Mode	0
Standard Deviation	0.850696 Standard Deviation	0.994723	Standard Deviation	0.875094 Stand	ard Deviation	1.118034 Standard Dev	iation 0.8	87041 Standard Deviation	0.760886
Skewness	1.104265 Skewness	1.654119	Skewness	1.320755 Skewr	ness	1.051344 Skewness	0.6	607031 Skewness	1.19478
Range	3 Range	З	8 Range	3 Range	2	3 Range		3 Range	2
Minimum	0 Minimum	0) Minimum	0 Minim	num	0 Minimum		0 Minimum	0
Maximum	3 Maximum		8 Maximum	3 Maxir	num	3 Maximum		3 Maximum	2
Sum		12							
Changes in Sleeping	15 Sum	12	2 Sum	13 Sum		15 Sum		19 Sum	10
changes in Sieeping			2 Sum Changes in Appetite		entration Difficu	15 Sum		19 Sum Loss of Interest in Se	
Mean		V			entration Difficu	15 Sum		Loss of Interest in Se	ex 0.4
Mean Standard Error	Pattern Irritabilit	V 0.6	Changes in Appetite	<i>Conce</i> 0.7 Mean 0.179179 Stand	entration Difficu	15 Sum Ity Fatigue	or O	Loss of Interest in Se 0.9 Mean .21643 Standard Error	2X
Mean Standard Error Median	Pattern Irritabilit 0.8 Mean 0.212751 Standard Error 1 Median	0.6 0.222427 0	Changes in Appetite 5 Mean 7 Standard Error 9 Median	Conce 0.7 Mean 0.179179 Stand 0.5 Media	entration Difficu. ard Error an	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Erro 1 Median	or O	Loss of Interest in Se 0.9 Mean .21643 Standard Error 1 Median	0.4 0.168585 0
Mean Standard Error Median Mode	Pattern Irritabilit 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode	0.6 0.222427 0	Changes in Appetite 5 Mean 7 Standard Error 9 Median 9 Mode	Conce 0.7 Mean 0.179179 Stand 0.5 Media 0 Mode	entration Difficu ard Error an	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Erro 1 Median 0 Mode		Loss of Interest in Se 0.9 Mean .21643 Standard Error 1 Median 0 Mode	0.4 0.168585 0 0
Mean Standard Error Median Mode Standard Deviation	Pattern Irritabilit 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation	0.6 0.222427 (0.994723	Changes in Appetite 5 Mean 7 Standard Error 9 Median 9 Mode 8 Standard Deviation	Conce 0.7 Mean 0.179179 Stand 0.5 Media 0 Mode 0.801315 Stand	entration Difficu lard Error an lard Deviation	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Erro 1 Median 0 Mode 1.151658 Standard Dev	iation 0.9	Loss of Interest in Se 0.9 Mean .21643 Standard Error 1 Median 0 Mode 967906 Standard Deviation	0.4 0.168585 0 0 0.753937
Mean Standard Error Median Mode Standard Deviation Sample Variance	Pattern Irritability 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation 0.905263 Sample Variance	0.6 0.222427 0 0.99472 0.989474	Changes in Appetite 5 Mean 2 Standard Error 9 Median 9 Mode 9 Standard Deviation 9 Standard Deviation	Conce 0.7 Mean 0.179179 Stand 0.5 Media 0 Mode 0.801315 Stand 0.642105 Samp	entration Difficu lard Error an lard Deviation le Variance	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Erro 1 Median 0 Mode 1.151658 Standard Dev 1.326316 Sample Varia	iation 0.9	Loss of Interest in Se 0.9 Mean .21643 Standard Error 1 Median 0 Mode 967906 Standard Deviation 936842 Sample Variance	0.4 0.168585 0 0 0.753937 0.568421
Mean Standard Error Median Mode Standard Deviation Sample Variance Range	Pattern Irritability 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation 0.905263 Sample Variance 3 Range	0.6 0.222427 0 0.994723 0.989474	Changes in Appetite Mean Standard Error Median Mode Standard Deviation Sample Variance Range	Conce 0.7 Mean 0.5 Media 0 Mode 0.801315 Stand 0.642105 Samp 2 Range	entration Difficu ard Error an e ard Deviation le Variance	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Erro 1 Median 0 Mode 1.151658 Standard Dev 1.326316 Sample Varia 3 Range	iation 0.9	Loss of Interest in Se 0.9 Mean .21643 Standard Error 1 Median 0 Mode 967906 Standard Deviation 36842 Sample Variance 3 Range	0.4 0.168585 0 0.753937 0.568421 3
Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum	Pattern Irritability 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation 0.905263 Sample Variance 3 Range 0 Minimum	0.6 0.222427 0 0.994723 0.989474 3 0.989474	Changes in Appetite 5 Mean 5 Standard Error 9 Median 9 Mode 8 Standard Deviation 9 Sample Variance 9 Range 9 Minimum	Conce 0.7 Mean 0.179179 Stand 0.5 Media 0 Mode 0.801315 Stand 0.642105 Samp 2 Range 0 Minin	antration Difficu and Error an ard Deviation le Variance a num	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Error 1 Median 0 Mode 1.151658 Standard Dev 1.326316 Sample Varia 3 Range 0 Minimum	iation 0.9	Loss of Interest in Se 0.9 Mean 21643 Standard Error 1 Median 0 Mode 967906 Standard Deviation 936842 Sample Variance 3 Range 0 Minimum	0.4 0.168585 0 0.753937 0.568421 3 0
Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum	Pattern Irritability 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation 0.905263 Sample Variance 3 Range 0 Minimum 3 Maximum	0.6 0.222427 0 0.994723 0.989474 3 0.989474	Changes in Appetite 5 Mean 7 Standard Error 9 Median 9 Mode 9 Standard Deviation 9 Sample Variance 8 Range 9 Minimum 9 Maximum	Conce 0.7 Mean 0.179179 Stand 0.5 Media 0 Mode 0.801315 Stand 0.642105 Samp 2 Range 0 Minim 2 Maxir	antration Difficu and Error an ard Deviation le Variance a num	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Erro 1 Median 0 Mode 1.151658 Standard Dev 1.326316 Sample Varia 3 Range 0 Minimum 3 Maximum	iation 0.9	Loss of Interest in Se 0.9 Mean .21643 Standard Error 1 Median 0 Mode 967906 Standard Deviation 936842 Sample Variance 3 Range 0 Minimum 3 Maximum	0.4 0.168585 0 0.753937 0.568421 3 0 0 3
Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum	Pattern Irritability 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation 0.905263 Sample Variance 3 Range 0 Minimum 3 Maximum 16 Sum	0.6 0.222427 0 0.994723 0.989474 3 0.989474	Changes in Appetite Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum	Conce 0.7 Mean 0.179179 Stand 0.5 Media 0 Mode 0.801315 Stand 0.642105 Samp 2 Range 0 Minim 2 Maxin 14 Sum	ard Error and Error an ard Deviation le Variance a num mum	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Erro 1 Median 0 Mode 1.151658 Standard Dev 1.326316 Sample Varia 3 Range 0 Minimum 3 Maximum 24 Sum	iation 0.5 nce 0.5	Loss of Interest in Se 0.9 Mean .21643 Standard Error 1 Median 0 Mode 967906 Standard Deviation 36842 Sample Variance 3 Range 0 Minimum 3 Maximum 18 Sum	0.4 0.168585 0 0.753937 0.568421 3 0 3 8 8
Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum ange in Sleeping Patter	Pattern Irritability 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation 0.905263 Sample Variance 3 Range 0 Minimum 3 Maximum 16 Sum n Irritability	0.6 0.222427 0 0.99472 0.989474 0.989474 0 12	Changes in Appetite 5 Mean 5 Standard Error 9 Median 9 Mode 8 Standard Deviation 8 Sample Variance 8 Sample Variance 9 Minimum 9 Maximum 2 Sum Change in Appetite	Conce 0.7 Mean 0.179179 Stand 0.5 Media 0 Mode 0.801315 Stand 0.642105 Samp 2 Range 0 Minin 2 Maxin 14 Sum	antration Difficu and Error an ard Deviation le Variance a num mum	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Erro 1 Median 0 Mode 1.151658 Standard Dev 1.326316 Sample Varia 3 Range 0 Minimum 3 Maximum 24 Sum y Fatigu	iation 0.5 nce 0.5	Loss of Interest in Se 0.9 Mean 21643 Standard Error 1 Median 0 Mode 967906 Standard Deviation 936842 Sample Variance 3 Range 0 Minimum 3 Maximum 18 Sum Loss of Interest in Se	ex 0.4 0.168585 0 0.753937 0.568421 3 0 3 8 8 8
Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum ange in Sleeping Patter Mean	Pattern Irritability 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation 0.905263 Sample Variance 3 Range 0 Minimum 3 Maximum 16 Sum In Irritability 1.5 Mean	0.6 0.222427 0 0.99472 0.989472 12 12	Changes in Appetite Mean Standard Error Median Mode Standard Deviation Standard	Conce 0.7 Mean 0.179179 Stand 0.5 Media 0.801315 Stand 0.642105 Samp 2 Range 0 Minin 2 Maxin 14 Sum <i>Concen</i> 0.7 Mean	and Error and Error and Error and Deviation le Variance and Deviation num num num	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Erro 1 Median 0 Mode 1.151658 Standard Dev 1.326316 Sample Varia 3 Range 0 Minimum 3 Maximum 24 Sum y Fatigu 1 Mean	iation 0.9 nce 0.9 e	Loss of Interest in Se 0.9 Mean .21643 Standard Error 1 Median 0 Mode 967906 Standard Deviation 936842 Sample Variance 3 Range 0 Minimum 3 Maximum 18 Sum Loss of Interest in Se 1.5 Mean	2x 0.4 0.168585 0 0 0.753937 0.568421 3 0 0.568421 3 8 x 2 x
Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum ange in Sleeping Patter Mean Standard Error	Pattern Irritability 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation 0.905263 Sample Variance 3 Range 0 Minimum 3 Maximum 16 Sum <u>n Irritability</u> 1.5 Mean 0.223607 Standard Error	0.6 0.222427 0 0.99472 0.989474 12 12 0.6 0.233955	Changes in Appetite 5 Mean 7 Standard Error 9 Median 9 Median 9 Mode 8 Standard Deviation 5 Sample Variance 8 Range 9 Minimum 8 Maximum 2 Sum Change in Appetite 5 Mean 9 Standard Error	Conce 0.7 Mean 0.179179 Stand 0.5 Media 0.801315 Stand 0.642105 Samp 2 Range 0 Minin 2 Maxin 14 Sum <i>Concen</i> 0.7 Mean 0.193309 Stand	ard Error and Error and Error and Deviation le Variance e num num <u>atration Difficult</u> ard Error	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Erro 1 Median 0 Mode 1.151658 Standard Dev 1.326316 Sample Varia 3 Range 0 Minimum 3 Maximum 24 Sum y Fatigu 1 Mean 0.240613 Standard Erro	iation 0.9 nce 0.9 e	Loss of Interest in Se 0.9 Mean .21643 Standard Error 1 Median 0 Mode 967906 Standard Deviation 936842 Sample Variance 3 Range 0 Minimum 3 Maximum 18 Sum Loss of Interest in Se 1.5 Mean 266557 Standard Error	2× 0.4 0.168585 0 0 0.753937 0.568421 3 0 0.568421 3 8 *× *×
Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum ange in Sleeping Patter Mean Standard Error Median	Pattern Irritability 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation 0.905263 Sample Variance 3 Range 0 Minimum 3 Maximum 16 Sum In Irritability 1.5 Mean 0.223607 Standard Error 2 Median	0.6 0.222427 0.994723 0.989477 3 0.989477 3 0.989477 3 0.989477 3 0.989477 3 0.989477 3 0.989477 3 0.989477 3 0.989477 3 0.989477 3 0.989477 3 0.989477 3 0.994723 0.994723 0.99472 0.99472 0.99472 0.99472 0.99472 0.99472 0.99472 0.99472 0.99472 0.99472 0.99472 0.99472 0.99472 0.99472 0.99472 0.99472 0.99472 0.99472 0.99472 0.99772 000000000000000000000	Changes in Appetite Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum Change in Appetite Mean Standard Error Median	Conce 0.7 Mean 0.179179 Stand 0.5 Media 0 Mode 0.801315 Stand 0.642105 Samp 2 Range 0 Minim 2 Maxin 14 Sum 0.7 Mean 0.193309 Stand 0.5 Media	entration Difficul and Error an ard Deviation le Variance e num num <u>tration Difficult</u> and Error an	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Erro 1 Median 0 Mode 1.151658 Standard Devail 3 Range 0 Minimum 3 Maximum 24 Sum y Fatigu 1 Mean 0.240613 Standard Erro 1 Median	iation 0.9 nce 0.9 e	Loss of Interest in Se 0.9 Mean 21643 Standard Error 1 Median 0 Mode 967906 Standard Deviation 936842 Sample Variance 3 Range 0 Minimum 3 Maximum 18 Sum Loss of Interest in Se 1.5 Mean 265557 Standard Error 2 Median	2X 0.4 0.168585 0 0.753937 0.568421 3 0 0.568421 3 8 2 0 0 0 0 0 0 0 0 0 0 0 0 0
Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum <i>ange in Sleeping Patter</i> Mean Standard Error Median Mode	Pattern Irritability 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation 0.905263 Sample Variance 3 Range 0 Minimum 3 Maximum 16 Sum n Irritability 1.5 Mean 0.223607 Standard Error 2 Median 2 Mode	0.6 0.222427 0.99472 0.9894772 0.9894772 0.9894772 0.9894772 0.9894772 0.9894772 0.9894772 0.9894772 0.9894772 0.9894772 0.9894772 0.9894772 0.9894772 0.9894772 0.9894772 0.9894772 0.9894772 0.000 0.994722 0.000 0.994722 0.000 0.994722 0.000 0.994722 0.000 0.994722 0.0000 0.00000 0.00000 0.00000 0.0000 0.0000 0.00000 0.000	Changes in Appetite 5 Mean 5 Standard Error 9 Median 9 Mode 8 Standard Deviation 9 Sample Variance 9 Annge 9 Minimum 9 Maximum 2 Sum Change in Appetite 5 Mean 9 Standard Error 9 Median 9 Mode	Conce 0.7 Mean 0.179179 Stand 0.5 Media 0 Mode 0.801315 Stand 0.642105 Samp 2 Range 0 Minim 2 Maxin 14 Sum Concen 0.7 Mean 0.193309 Stand 0.5 Media 0 Mode	entration Difficut and Error an e and Deviation le Variance e num num num num num num atration Difficult an e an	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Erro 1 Median 0 Mode 1.151658 Standard Dev 1.326316 Sample Varia 3 Range 0 Minimum 3 Maximum 24 Sum y Fatigu 1 Mean 0.240613 Standard Erro 1 Median 0 Mode	iation 0.9 nce 0.9 e or 0.2	Loss of Interest in Se 0.9 Mean 21643 Standard Error 1 Median 0 Mode 967906 Standard Deviation 936842 Sample Variance 3 Range 0 Minimum 3 Maximum 18 Sum Loss of Interest in Se 1.5 Mean 266557 Standard Error 2 Median 2 Mode	ex 0.4 0.168585 0 0.753937 0.568421 3 0 0.568421 3 8 8 x 1 0.299122 0 0 0 0
Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum <i>ange in Sleeping Patter</i> Mean Standard Error Median Mode Standard Deviation	Pattern Irritability 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation 0.905263 Sample Variance 3 Range 0 Minimum 3 Maximum 16 Sum <u>n Irritability</u> 1.5 Mean 0.223607 Standard Error 2 Median 2 Mode 1 Standard Deviation	0.6 0.222427 0.222427 0.99472 0.99472 0.989474 0.99472 0.989474 0.233955 0 0.233955 0 0.1046297	Changes in Appetite Mean Standard Error Median Mode Standard Deviation Standard Deviation Stange Minimum Maximum Sum Change in Appetite Mean Standard Error Median Mode Standard Deviation	Conce 0.7 Mean 0.179179 Stand 0.5 Media 0 Mode 0.801315 Stand 0.642105 Samp 2 Range 0 Minin 2 Maxin 14 Sum <i>Concen</i> 0.7 Mean 0.57 Mean 0.57 Media 0.5 Media 0 Mode 0.864505 Stand	entration Difficul and Error an erad Deviation le Variance enum num <u>tration Difficult</u> and Error an e and Error an e and Deviation	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Erro 1 Median 0 Mode 1.151658 Standard Dev 1.326316 Sample Varia 3 Range 0 Minimum 3 Maximum 24 Sum y Fatigu 1 Mean 0.240613 Standard Erro 1 Median 0 Mode 1.076055 Standard Dev	iation 0.9 nce 0.9 <u>e</u> or 0.2 iation 1.1	Loss of Interest in Se 0.9 Mean .21643 Standard Error 1 Median 0 Mode 967906 Standard Deviation 936842 Sample Variance 3 Range 0 Minimum 3 Maximum 18 Sum Loss of Interest in Se 1.5 Mean 266557 Standard Error 2 Median 2 Mode 192079 Standard Deviation	2x 0.4 0.168585 0 0 0.753937 0.568421 3 0 0.568421 3 8 x 1 0.299122 0 0 1.337712
Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum ange in Sleeping Patter Mean Standard Error Median Mode Standard Deviation Sample Variance	Pattern Irritability 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation 0.905263 Sample Variance 3 Range 0 Minimum 3 Maximum 16 Sum <u>n Irritability</u> 1.5 Mean 0.223607 Standard Error 2 Median 2 Mode 1 Standard Deviation 1 Sample Variance	0.6 0.222427 0 0.99472 0.989474 3 0.989474 3 0.89474 3 0.0 0.233955 0 0 0.233955 0 0 0.233955 0 0 0.233955 0 0 0 1.046297	Changes in Appetite 5 Mean 7 Standard Error 9 Median 9 Mode 9 Standard Deviation 8 Sample Variance 8 Range 9 Minimum 8 Maximum 5 Sum Change in Appetite 5 Mean 9 Standard Error 9 Median 9 Mode 9 Standard Deviation 7 Sample Variance	Conce 0.7 Mean 0.179179 Stand 0.5 Medie 0.801315 Stand 0.642105 Samp 2 Range 0 Minim 2 Maxin 14 Sum Concen 0.7 Mean 0.193309 Stand 0.5 Medie 0 Mode 0.864505 Stand 0.747368 Samp	entration Difficul and Error an e and Deviation le Variance e num mum etration Difficult and Error an e and Deviation le Variance	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Erro 1 Median 0 Mode 1.51658 Standard Dev 1.326316 Sample Varia 3 Range 0 Minimum 3 Maximum 24 Sum y Fatigu 1 Mean 0.240613 Standard Erro 1 Mean 0.240613 Standard Erro 1 Median 0 Mode 1.076055 Standard Dev 1.157895 Sample Varia	iation 0.9 nce 0.9 <u>e</u> or 0.2 iation 1.1	Loss of Interest in Se 0.9 Mean .21643 Standard Error 1 Median 0 Mode 967906 Standard Deviation 936842 Sample Variance 3 Range 0 Minimum 3 Maximum 18 Sum Loss of Interest in Se 1.5 Mean 2.5557 Standard Error 2 Median 2 Mode 192079 Standard Deviation 121053 Sample Variance	2x 0.4 0.168585 0 0 0.753937 0.568421 3 0 0.568421 3 8 2x 1 0.299122 0 0 1.337712 1.789474
Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum ange in Sleeping Patter Mean Standard Error Median Mode Standard Deviation Sample Variance Range	Pattern Irritability 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation 0.905263 Sample Variance 3 Range 0 Minimum 3 Maximum 16 Sum <u>n Irritability</u> 1.5 Mean 0.223607 Standard Error 2 Median 2 Mode 1 Standard Deviation 1 Sample Variance 3 Range	0.6 0.222427 0.994723 0.989474 2 0.989474 12 12 0.0 0.0 0.233955 0 0 0 1.046297 1.094733 2 1.046297	Changes in Appetite Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum Change in Appetite Mean Standard Error Median Mode Standard Deviation Sample Variance Range	Conce 0.7 Mean 0.179179 Stand 0.5 Media 0 Mode 0.801315 Stand 0.642105 Samp 2 Range 0 Minim 2 Maxin 14 Sum Concen 0.193309 Stand 0.5 Media 0 Mode 0.864505 Stand 0.747368 Samp 3 Range	entration Difficul and Error an e and Deviation le Variance e num num <u>atration Difficult</u> and Error an e and Error an e Variance e	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Error 1 Median 0 Mode 1.51658 Standard Dev 1.326316 Sample Varia 3 Range 0 Minimum 3 Maximum 24 Sum y Fatigut 1 Mean 0.240613 Standard Error 0.240613 Standard Error 1 Median 0 Mode 1.076055 Standard Dev 1.157895 Sample Varia 3 Range	iation 0.9 nce 0.9 <u>e</u> or 0.2 iation 1.1	Loss of Interest in Se 0.9 Mean .21643 Standard Error 1 Median 0 Mode 367906 Standard Deviation 36842 Sample Variance 3 Range 0 Minimum 3 Maximum 18 Sum Loss of Interest in Se 1.5 Mean 265577 Standard Error 2 Median 2 Mode 192079 Standard Deviation 121053 Sample Variance 3 Range	2X 0.4 0.168585 0 0.753937 0.568421 3 0 0.568421 3 8 2 2 0 0 1.337712 1.789474 3
Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum ange in Sleeping Patter Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum	Pattern Irritability 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation 0.905263 Sample Variance 3 Range 0 Minimum 3 Maximum 16 Sum <i>Irritability</i> 1.5 Mean 0.223607 Standard Error 2 Median 2 Mode 1 Standard Deviation 1 Sample Variance 3 Range 0 Minimum	0.6 0.222427 0.994723 0.9894772 0.989477 3 0.989477 3 0 0.6 0.233955 0 1.046297 1.094737 3 0 0 0 0 0 0 0 0 0 0 0 0 0	Changes in Appetite Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Maximum Sum Change in Appetite Mean Standard Error Median Mode Standard Error Median Mode Standard Deviation Sample Variance Range Minimum	Conce 0.7 Mean 0.179179 Stand 0.5 Media 0 Mode 0.801315 Stand 0.642105 Samp 2 Range 0 Minim 2 Maxin 14 Sum Concen 0.7 Mean 0.193309 Stand 0.5 Media 0 Mode 0.864505 Stand 0.747368 Samp 3 Range 0 Minim	entration Difficul and Error an ard Deviation le Variance enum mum <u>stration Difficult</u> and Error an enum le Variance enum	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Erro 1 Median 0 Mode 1.151658 Standard Dev 1.326316 Sample Varia 3 Range 0 Minimum 3 Maximum 24 Sum y Fatigu 1 Mean 0.240613 Standard Erro 0.240613 Standard Error 1 Median 0 Mode 1.076055 Standard Dev 1.076055 Standard Devaria 3 Range 0 Minimum 3 Range 0 Minimum 1 Median	iation 0.9 nce 0.9 <u>e</u> or 0.2 iation 1.1	Loss of Interest in Se 0.9 Mean 21643 Standard Error 1 Median 0 Mode 967906 Standard Deviation 936842 Sample Variance 3 Range 0 Minimum 3 Maximum 18 Sum Loss of Interest in Se 1.5 Mean 266557 Standard Error 2 Median 2 Mode 192079 Standard Deviation 121053 Sample Variance 3 Range 0 Minimum	2X 0.4 0.168585 0 0.753937 0.568421 3 0 0.568421 3 0 3 8 X 1 0.299122 0 0 1.337712 1.789474 3 0
Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum ange in Sleeping Patter Mean Standard Error Median Mode Standard Deviation Sample Variance Range	Pattern Irritability 0.8 Mean 0.212751 Standard Error 1 Median 0 Mode 0.951453 Standard Deviation 0.905263 Sample Variance 3 Range 0 Minimum 3 Maximum 16 Sum <u>n Irritability</u> 1.5 Mean 0.223607 Standard Error 2 Median 2 Mode 1 Standard Deviation 1 Sample Variance 3 Range	0.6 0.222427 0 0.99472 0.99472 0.989474 0.989474 0.233955 0 0 1.046297 1.094733 0 0 1.046297 1.094733 0 0 0 0 0 0 0 0 0 0 0 0 0	Changes in Appetite Mean Standard Error Median Mode Standard Deviation Sample Variance Range Minimum Maximum Sum Change in Appetite Mean Standard Error Median Mode Standard Deviation Sample Variance Range	Conce 0.7 Mean 0.179179 Stand 0.5 Media 0 Mode 0.801315 Stand 0.642105 Samp 2 Range 0 Minim 2 Maxin 14 Sum Concen 0.193309 Stand 0.5 Media 0 Mode 0.864505 Stand 0.747368 Samp 3 Range	entration Difficul and Error an ard Deviation le Variance enum mum <u>stration Difficult</u> and Error an enum le Variance enum	15 Sum Ity Fatigue 1.2 Mean 0.257519 Standard Error 1 Median 0 Mode 1.51658 Standard Dev 1.326316 Sample Varia 3 Range 0 Minimum 3 Maximum 24 Sum y Fatigut 1 Mean 0.240613 Standard Error 0.240613 Standard Error 1 Median 0 Mode 1.076055 Standard Dev 1.157895 Sample Varia 3 Range	iation 0.9 nce 0.9 <u>e</u> or 0.2 iation 1.1	Loss of Interest in Se 0.9 Mean .21643 Standard Error 1 Median 0 Mode 367906 Standard Deviation 36842 Sample Variance 3 Range 0 Minimum 3 Maximum 18 Sum Loss of Interest in Se 1.5 Mean 265577 Standard Error 2 Median 2 Mode 192079 Standard Deviation 121053 Sample Variance 3 Range	2X 0.4 0.168585 0 0.753937 0.568421 3 0 0.568421 3 8 2 2 0 0 1.337712 1.789474 3

Data Analysis: Correlations

	Sadness	Pessimism	Past Failures	ss of Pleasu	uilty Feeling	Punishment.	Self-Dislike	lf-Criticalne	idal Thoug	Crying	Agitation	iss of Intere.	Indecision	Worthless :	oss of energ	in sleeping	irritability 1	ges in apper	tration difj	fatigue	of interest ir
Sadness	1																				
Pessimism	0.397289	1																			
Past Failures	0.377466	0.282994	1																		
Loss of Pleasure	0.342353	0.627855	0.038768	1																	
Guilty Feelings	0.128739	0.117731	0.482473	0.187	1																
Punishment	0.120962	0.099408	0.074196	0.307483	-0.05256	1															
Self-Dislike	0.62223	0.356086	0.551042	-0.01475	-0.06734	-0.12376	1														
Self-Criticalness	-0.17738	-0.04348	0.225978	0.177629	0.223876	0.223285	-0.00955	1													
Suicidal thought	-0.08909	0.11303	0.190555	-0.0549	0.103221	-0.26671	0.115129	0.509635	1												
crying	0.097451	0.01686	0.055177	0.378332	-0.0242	0.278489	-0.02099	0.486175	0.390673	1											
agitation	0.154565	-0.0864	0.507135	0.285745	0.017712	0.155325	0.209991	0.365389	0.171592	0.656956	1										
loss of interest	-0.30709	0.018391	-0.39455	0.207433	-0.16715	0.004822	-0.27729	0.275765	0.369324	0.637073	0.155454	1									
indecision	0.416013	0.477992	0.227493	0.601466	0.246303	0.222094	0.415855	0.270342	0.076974	0.435035	0.311613	0.137768	1								
worthlessness	0.574074	0.307579	0.391446	3.04E-17	0.055174	0.332647	0.574367	-0.19217	-0.05939	0.097451	0.083227	-0.22441	0.277342	1							
loss of energy	0.424973	0.482003	0.29409	0.043647	-0.00391	0.147792	0.620396	-0.05968	-0.03786	-0.02071	-0.0859	-0.34383	0.482785	0.676809	1						
changes in sleep	0.328244	0.582102	0.356215	0.348926	0.061123	0.234509	0.335823	0.016376	-0.19739	-0.19433	0.026343	-0.48413	0.342698	0.410305	0.680037	1					
irritability	0.617578	0.446823	0.445037	0.103793	-0.04182	0.263585	0.773926	-0.07843	-0.06752	0.184654	0.207266	-0.00895	0.47701	0.786008	0.679994	0.310985	1				
changes in appe	0.41482	0.527228	0.292083	0.427684	-0.32878	0.319159	0.512027	-0.05413	-0.11513	-0.06297	0.199748	-0.12974	0.319358	0.143592	0.193238	0.371173	0.435333	1			
concentration d	0.561951	0.183647	0.459587	0.080802	0.604597	0.178434	0.255523	0.161982	0.150188	0.115002	0.060132	-0.24889	0.368652	0.499512	0.464361	0.262851	0.425924	-0.14793	1		
fatigue	0.125918	0.144328	0.092089	-0.01455	0.042987	0.302009	0.22714	0.028269	-0.34074	-0.14495	-0.16674	-0.28359	0.21986	0.424973	0.571906	0.3313	0.45333	0.111875	0.252082	1	1
loss of interest i	0.366988	0.09524	0.173157	0.101768	-0.04556	2.5E-17	0.51379	-0.18309	0	0.04828	0.176715	-0.2048	0.290664	0.366988	0.50687	0.121967	0.486769	0.276656	0.216541	0.42889) 1

(Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16 0	Column 17	Column 18 (Column 19	Column 20 C	Column 21
sadness	1																				
pessimism	0.414208	1																			
past failures	0.653835	0.081487	1																		
loss of pleasure	0.310062	0.140859	0.564725	1																	
guilty feelings	0.375588	0	0.315183	0.11176	1																
punishment	0.261968	0.439205	0.274863	0.504827	-0.2962	1															
self-dislike	0.516162	0.102383	0.385439	-0.3115	0.132002	-0.06475	1														
self-criticalness	0.032823	0.09245	0.203403	-0.2344	0.320912	-0.09745	0.141979	1													
suicidal thought	-0.04001	0	0.013774	-0.30952	0.11176	0.059391	0.20767	0.546942	1												
crying	0.45481	0.480384	0.587175	0.473665	0.15881	0.33758	0.147549	-0.13323	-0.13533	1											
agitation	0.170502	-0.37519	0.454924	0.431244	0.044652	0.22147	-0.00922	-0.16649	-0.20294	0.072094	1										
loss of interest	0.461003	0.347804	0.4648	0.333141	-0.023	0.4155	0.31336	0.064309	0.039193	0.556932	-0.16703	1									
indecision	0.084122	0.740436	0.043442	0.275344	-0.16156	0.499512	-0.07278	-0.16429	-0.22528	0.56911	-0.10668	0.226624	1								
worthlessness	0.635708	0.454124	0.336218	0.065795	0.218759	0.287213	0.526051	0.179931	0.175454	0.06233	0.128517	0.054153	0.092229	1							
loss of energy	-0.14149	-0.1107	-0.0866	-0.11227	-0.2635	0.210042	-0.0136	0.368438	0.074848	-0.21272	0.079745	0.061604	-0.15738	0.103418	1						
changes in sleep	0.573331	0.208817	0.517282	0.141186	-0.15187	0.249461	0.40193	0.154441		0.40125	0.275777	0.503551	0.074216	0.303453	0.314384	1					
irritability	0.765857	0.532624	0.598945	0.213821	0.303738	0.336861	0.441704	0.073862	0.045015	0.575694	0.287761	0.314923	0.319443	0.528675	-0.28302	0.522739	1				
changes in appe	0.199531	0.33059	0.072735	0.18161	0.262295	0.226507	0.081232	0.045845	-0.16764	0.397026	-0.02977	0.321945	0.205616	0.2831	0.395247	0.262325	0.237708	1			
concentration d				0.369368	0.239535		0.162496	0.063797	-0.01944	0.165748	0.393534	0.464015	0.091971				0.532941	0.239535	1		
•		0.136845	0.086978	-0.10409	-0.24429					0.131477	0.012322		-0.08511						0.160535	1	
loss of interest i	0.424139	0.351364	0.584084	0.460283	-0.05227	0.574074	0.064752	2.16E-17	-0.05939	0.67516	0.332205	0.562147	0.515122	0.054707	0.140028	0.63099	0.505291	0.209083	0.448559	0.346194	1
		Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16 (Column 17	Column 18 (Column 19	Column 20 C	Column 21
sadness	1		Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16 (Column 17	Column 18 (Column 19	Column 20 C	Column 21
sadness pessimism	1 -0.25122	1		Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16 (Column 17	Column 18 (Column 19	Column 20 C	Column 21
sadness pessimism past failures	1 -0.25122 0.155417	1	1		Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16 (Column 17	Column 18 (Column 19	Column 20 C	Column 21
sadness pessimism past failures loss of pleasure	1 -0.25122 0.155417 0.281161	1 -0.01996 0.054153	1 0.720277	1		Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16 (Column 17	Column 18 (Column 19	Column 20 C	Column 21
sadness pessimism past failures loss of pleasure guilty feelings	1 -0.25122 0.155417 0.281161 -0.05783	1 -0.01996 0.054153 -0.33416	1 0.720277 1.53E-17	1 -0.09349	1		Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16 (Column 17	Column 18 (Column 19	Column 20 C	Column 21
sadness pessimism past failures loss of pleasure guilty feelings punishment	1 -0.25122 0.155417 0.281161 -0.05783 -0.09057	1 -0.01996 0.054153 -0.33416 -0.19189	1 0.720277 1.53E-17 0.064752	1 -0.09349 0.043928	1 0.240946	1		Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16 (Column 17 (Column 18 (Column 19	Column 20 C	Column 21
sadness pessimism past failures loss of pleasure guilty feelings punishment self-dislike	1 -0.25122 0.155417 0.281161 -0.05783 -0.09057 0.101745	1 -0.01996 0.054153 -0.33416 -0.19189 0.431124	1 0.720277 1.53E-17 0.064752 0.33945	1 -0.09349 0.043928 0.230283	1 0.240946 -2.3E-17	1 -0.12717	1		Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15 (Column 16(Column 17 (Column 18 (Column 19	Column 20 C	Column 21
sadness pessimism past failures loss of pleasure guilty feelings punishment self-dislike self-criticalness	1 -0.25122 0.155417 0.281161 -0.05783 -0.09057 0.101745 0.055334	1 -0.01996 0.054153 -0.33416 -0.19189 0.431124 0.021315	1 0.720277 1.53E-17 0.064752 0.33945 0.316475	1 -0.09349 0.043928 0.230283 -0.05367	1 0.240946 -2.3E-17 -0.0736	1 -0.12717 -0.2997	1 0.155386	1		Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16 (Column 17 (Column 18 (Column 19	Column 20 C	Column 21
sadness pessimism past failures loss of pleasure guilty feelings punishment self-dislike self-criticalness suicidal thought	1 -0.25122 0.155417 0.281161 -0.05783 -0.09057 0.101745 0.055334 -0.15542	1 -0.01996 0.054153 -0.33416 -0.19189 0.431124 0.021315 0.419079	1 0.720277 1.53E-17 0.064752 0.33945 0.316475 0.296296	1 -0.09349 0.043928 0.230283 -0.05367 0.201008	1 0.240946 -2.3E-17 -0.0736 -1.4E-17	1 -0.12717 -0.2997 -0.06475	1 0.155386 0.145479	1 0.079119	1		Column 11	Column 12	Column 13	Column 14	Column 15	Column 16 (Column 17 (Column 18 (Column 19	Column 20 C	Column 21
sadness pessimism past failures loss of pleasure guilty feelings punishment self-dislike self-citicalness suicidal thought crying	1 -0.25122 0.155417 0.281161 -0.05783 -0.09057 0.101745 0.055334 -0.15542 -0.06529	1 -0.01996 0.054153 -0.33416 -0.19189 0.431124 0.021315 0.419079 0.213773	1 0.720277 1.53E-17 0.064752 0.33945 0.316475 0.296296 0.412305	1 -0.09349 0.043928 0.230283 -0.05367 0.201008 0.622745	1 0.240946 -2.3E-17 -0.0736 -1.4E-17 -0.04342	1 -0.12717 -0.2997 -0.06475 -0.0136	1 0.155386 0.145479 0.030557	1 0.079119 -0.23266	1 0.326732	1		Column 12	Column 13	Column 14	Column 15	Column 16 (Column 17 (Column 18 (Column 19	Column 20 C	Column 21
sadness pessimism past failures loss of pleasure guilty feelings punishment self-dislike self-criticalness suicidal thought crying agitation	1 -0.25122 0.155417 0.281161 -0.05783 -0.09057 0.101745 0.055334 -0.15542 -0.06529 -0.10174	1 -0.01996 0.054153 -0.33416 -0.19189 0.431124 0.021315 0.419079 0.213773 -0.05879	1 0.720277 1.53E-17 0.064752 0.33945 0.316475 0.296296 0.412305 -0.20609	1 -0.09349 0.043928 0.230283 -0.05367 0.201008 0.622745 -0.34542	1 0.240946 -2.3E-17 -0.0736 -1.4E-17 -0.04342 0.202999	1 -0.12717 -0.2997 -0.06475 -0.0136 0.031793	1 0.155386 0.145479 0.030557 -0.07143	1 0.079119 -0.23266 0.284875	1 0.326732 0.327327	1 -0.23681	1		Column 13	Column 14	Column 15	Column 16 (Column 17 (Column 18 (Column 19	Column 20 C	Column 21
sadness pessimism past failures loss of pleasure guilty feelings punishment self-dislike self-criticalness suicidal thought crying agitation loss of interest	1 -0.25122 0.155417 0.281161 -0.05783 -0.09057 0.101745 0.055334 -0.15542 -0.06529 -0.10174 0.274319	1 -0.01996 0.054153 -0.33416 -0.19189 0.431124 0.021315 0.419079 0.213773 -0.05879 0.052835	1 0.720277 1.53E-17 0.064752 0.33945 0.316475 0.296296 0.412305 -0.20609 0.403128	1 -0.09349 0.043928 0.230283 -0.05367 0.201008 0.622745 -0.34542 0.310439	1 0.240946 -2.3E-17 -0.0736 -1.4E-17 -0.04342 0.202999 -0.18244	1 -0.12717 -0.2997 -0.06475 -0.0136 0.031793 0.06667	1 0.155386 0.145479 0.030557 -0.07143 0.064194	1 0.079119 -0.23266 0.284875 0.209472	1 0.326732 0.327327 0.032686	1 -0.23681 0.31581	1 -0.14979	1		Column 14	Column 15	Column 16 (Column 17 (Column 18 (Column 19	Column 20 C	Column 21
sadness pessimism past failures loss of pleasure guilty feelings punishment self-dislike self-dislike self-dislike suicidal thought crying agitation loss of interest indecision	1 -0.25122 0.155417 0.281161 -0.05783 -0.09057 0.101745 0.055334 -0.15542 -0.06529 -0.10174 0.274319 0.072816	1 -0.01996 0.054153 -0.33416 -0.19189 0.431124 0.021315 0.419079 0.213773 -0.05879 0.052835 -0.02805	1 0.720277 1.53E-17 0.064752 0.33945 0.316475 0.296296 0.412305 -0.20609 0.403128 0.403128 0.190879	1 -0.09349 0.043928 0.230283 -0.05367 0.201008 0.622745 -0.34542 0.310439 0.070632	1 -2.3E-17 -0.0736 -1.4E-17 -0.04342 0.202999 -0.18244 1.08E-17	1 -0.12717 -0.2997 -0.06475 -0.0136 0.031793 0.06667 -0.13652	1 0.155386 0.145479 0.030557 -0.07143 0.064194 0.13632	1 0.079119 -0.23266 0.284875 0.209472 -0.11121	1 0.326732 0.327327 0.032686 -0.36441	1 -0.23681 0.31581 -0.18588	1 -0.14979 -0.37488	1 0.26034	1		Column 15 d	Column 16 6	Column 17 -	Column 18 6	Column 19	Column 20 C	Column 21
sadness pessimism past failures loss of pleasure guilty feelings punishment self-criticalness suicidal thought crying agitation loss of interest indecision worthlessness	1 -0.25122 0.155417 0.281161 -0.05783 -0.09057 0.101745 0.055334 -0.15542 -0.05529 -0.10174 0.274319 0.072816 -0.26074	1 -0.01996 0.054153 -0.33416 -0.19189 0.431124 0.021315 0.419079 0.213773 -0.05879 0.052835 -0.02805 0.03348	1 0.720277 1.53E-17 0.064752 0.33945 0.316475 0.296296 0.412305 -0.20609 0.403128 0.190879 0.669699	1 -0.09349 0.043928 0.230283 -0.05367 0.201008 0.622745 -0.34542 0.310439 0.070632 0.430905	1 0.240946 -2.3E-17 -0.0736 -1.4E-17 -0.04342 0.202999 -0.18244 1.08E-17 0.115607	1 -0.12717 -0.2997 -0.06475 -0.0136 0.031793 0.06667 -0.13652 0.313834	1 0.155386 0.145479 0.030557 -0.07143 0.064194 0.13632 0.44746	1 0.079119 -0.23266 0.284875 0.209472 -0.11121 -0.05162	1 0.326732 0.327327 0.032686 -0.36441 0.020712	1 -0.23681 0.31581 -0.18588 0.330635	1 -0.14979 -0.37488 -0.23051	1 0.26034 0.146233	1 0.262012	1		Column 16 6	Column 17 (Column 18 d	Column 19	Column 20 C	Column 21
sadness pessimism past failures loss of pleasure guilty feelings punishment self-dislike self-criticalness suicidal thought crying agitation loss of interest indecision worthlessness loss of energy	1 -0.25122 0.155417 0.281161 -0.05783 -0.09057 0.101745 0.055334 -0.15542 -0.06529 -0.10174 0.274319 0.072816 -0.26074 0.324757	1 -0.01996 0.054153 -0.33416 -0.19189 0.431124 0.021315 0.419079 0.213773 -0.05879 0.052835 -0.02805 0.03348 -0.10723	1 0.720277 1.53E-17 0.064752 0.33945 0.316475 0.296296 0.412305 -0.20609 0.403128 0.190879 0.403285	1 -0.09349 0.043928 0.230283 -0.05367 0.201008 0.622745 -0.34542 0.310439 0.430905 0.345017	1 0.240946 -2.3E-17 -0.0736 -1.4E-17 -0.04342 0.202999 -0.18244 1.08E-17 0.115607 0.246838	1 -0.12717 -0.2997 -0.06475 -0.0136 0.06667 -0.13652 0.313834 0.589544	1 0.155386 0.145479 0.030557 -0.07143 0.064194 0.13632 0.44746 0.195421	1 0.079119 -0.23266 0.284875 0.209472 -0.11121 -0.05162 0.10628	1 0.326732 0.327327 0.32686 -0.36441 0.020712 0.099504	1 -0.23681 -0.18581 -0.18588 0.330635 0.160233	1 -0.14979 -0.37488 -0.23051 0.03257	1 0.26034 0.146233 0.312229	1 0.262012 -0.13986	1 0.290594	1		Column 17 (Column 18 (Column 19	Column 20 C	Column 21
sadness pessimism past failures loss of pleasure guilty feelings punishment self-dislike self-criticalness suicidal thought crying agitation loss of interest indecision worthlessness loss of energy changes in sleep	1 -0.25122 0.155417 0.281161 -0.05783 -0.09057 0.101745 0.055334 -0.15542 -0.06529 -0.10174 0.274319 0.072816 0.26074 0.324757 0.334855	1 -0.01996 0.054153 -0.33416 -0.19189 0.431124 0.021315 0.419079 0.213773 -0.05879 0.052835 -0.02805 0.03348 -0.00224	1 0.720277 1.53E-17 0.064752 0.33945 0.33945 0.296296 0.412205 -0.20609 0.403128 0.699699 0.453295 0.453295	1 -0.09349 0.043928 0.230283 -0.05367 0.201008 0.622745 -0.34542 0.310439 0.070632 0.430905 0.345017 0.541352	1 0.240946 -2.3E-17 -0.0736 -1.4E-17 0.04342 0.202999 -0.18244 1.08E-17 0.115607 0.246838 -0.246838 -0.19089	1 -0.12717 -0.06475 -0.0136 0.031793 0.06667 -0.13652 0.313834 0.313834 0.199304	1 0.155386 0.145479 0.030557 -0.07143 0.064194 0.13632 0.44746 0.195421 0.33583	1 0.079119 -0.23266 0.284875 0.209472 -0.11121 -0.05162 0.10628 0.182642	1 0.326732 0.327327 0.032686 -0.36441 0.020712 0.099504 -0.171	1 -0.23681 0.31581 -0.18588 0.330635 0.160233 0.251415	1 -0.14979 -0.37488 -0.23051 -0.23257 -0.22389	1 0.26034 0.146233 0.312229 0.55333	1 0.262012 -0.13986 0.320462	1 0.290594 0.541885	1 0.459399	1		Column 18 (Column 19	Column 20 C	Column 21
sadness pessimism past failures loss of pleasure guilty feelings punishment self-criticalness suicidal thought crying agitation loss of interest indecision worthlessness loss of energy changes in sleep chritability	1 -0.25122 0.155417 0.281161 -0.05783 -0.09057 0.101745 0.055334 -0.15542 -0.06529 -0.06529 -0.010174 0.274319 0.072816 -0.26074 0.324757 0.334855 -0.18288	1 -0.01996 0.054153 -0.33416 -0.19189 0.431124 0.021315 0.431124 0.021315 -0.05879 0.052835 -0.02805 0.032805 -0.02805 -0.02805 -0.02805 -0.02805 -0.02815 -0.02815 -0.029214 -0.09214 -0.09214 -0.031701	1 0.720277 1.53E-17 0.064752 0.33945 0.316475 0.296296 0.412305 0.402305 0.403128 0.403295 0.453295 0.453295 0.453295	1 -0.09349 0.043928 0.230283 -0.05367 0.20108 0.622745 0.34542 0.310439 0.070632 0.430905 0.345017 0.345122 -0.31044	1 0.240946 -2.3E-17 -0.0736 -1.4E-17 -0.04342 0.202999 -0.18244 1.08E-17 0.115607 0.246838 0.246838 0.851382	1 -0.12717 -0.2997 -0.06475 -0.0136 0.031793 0.06667 -0.13652 0.313834 0.589544 0.363921	1 0.155386 0.30557 -0.07143 0.064194 0.13632 0.44746 0.33583 -0.06419	1 0.079119 -0.23266 0.284875 0.209472 -0.11121 -0.05162 0.10628 0.182642 -0.26766	1 0.326732 0.327327 0.032686 -0.36441 0.020712 0.099504 -0.171 -0.19612	1 -0.23681 0.31581 -0.18588 0.160233 -0.251415 -0.14417	1 -0.14979 -0.37488 -0.23051 0.03257 -0.22389 0.149786	1 0.26034 0.312229 0.55333 -0.23077	1 0.262012 -0.13986 0.320462 0.122513	1 0.290594 0.541885 0.219349	1 0.459399 0.175629	1 -0.10061	1		Column 19	Column 20 C	Column 21
sadness pessimism past failures loss of pleasure guilty feelings punishment self-dislike self-criticalness suicidal thought crying agitation loss of interest indecision worthlessness loss of energy changes in sleep irritability	1 -0.25122 0.155417 0.281161 -0.05783 -0.09057 0.101745 0.055334 -0.15542 -0.06529 -0.10174 0.274319 0.072816 -0.26074 0.324757 0.334855 -0.18288 -0.18288 -0.18553	1 -0.01996 0.054153 -0.33416 -0.19189 0.431124 0.021315 0.419079 0.213773 -0.058879 0.052835 -0.02805 0.03348 -0.10723 -0.09214 -0.31701 0.085261	1 0.720277 1.53E-17 0.064752 0.316475 0.296296 0.412305 -0.20609 0.403128 0.403128 0.403128 0.669699 0.453295 0.626987 -0.13074 0.67251	1 -0.09349 0.043928 0.230283 -0.05367 0.201008 0.622745 -0.310439 0.310439 0.345017 0.541352 -0.31044 0.590416	1 0.240946 -2.3E-17 -0.0736 0.20299 -0.18244 1.08E-17 0.145607 0.246838 -0.19089 -0.19089 -0.19189 -0.1972	1 -0.12717 -0.2997 -0.06475 -0.0136 0.06667 -0.13652 0.313834 0.589544 0.199304 0.361921 0.0669162	1 0.155386 0.145479 0.030557 -0.07143 0.064194 0.13632 0.44746 0.33583 -0.06419 0.233079	1 0.079119 -0.23266 0.284875 0.209472 -0.11121 -0.05162 0.10528 0.182642 -0.26766 -0.01408	1 0.326732 0.3227327 0.032686 -0.36441 0.020712 0.099504 -0.1761 -0.19612 -0.07912	1 -0.23681 -0.18588 0.330635 0.160233 0.251415 -0.14417 -0.144193	1 -0.14979 -0.37488 -0.23051 0.03257 -0.22389 0.149786 -0.24887	1 0.26034 0.146233 0.312229 0.55333 -0.23077 0.256022	1 0.262012 -0.13986 0.320462 0.122513 0.223879	1 0.290594 0.541885 0.219349 0.78905	1 0.459399 0.175629 0.188943	1 -0.10061 0.487045	1 -0.08146	1		Column 20 C	Column 21
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Discussion

In the following section, I will attempt to explain a few of the "whys" within the results. What are the reasons why certain cultures manifest major depressive disorder in a different manner than other cultures? The following analysis of the data is based upon my own ideas and conclusions that may begin to explain some of the results. It is essential to note, however, that my conclusions are not definitive, and further research is needed to explain cross-cultural similarities and differences.

The Western population displayed the lowest overall average score of the BDI-II (15.45), the Bamako population displayed the middle overall average score (16.45), and the Sanankoroba population displayed the highest overall average score (19.00). The data supports the notion that both poverty and poor physical health lead to poor mental health and possibly depression. The living conditions in Sanankoroba are dismal in comparison with Bamako or the United States. Of the twenty individuals interviewed in Sanankoroba only three individuals had access to running water and eleven individuals had access to sporadic electricity. Furthermore, the literacy rate of the Sanankoroba sample was 10%. Poor living conditions and poor education levels lead to poverty and poor physical health, which in turn lead to the dangerous cycle of depression. It should not noted, however, that low education levels have been shown to correlate with higher BDI-II scores in previous studies, and this may account for the higher BDI-II scores in lieu of a higher prevalence of depressive symptoms in the community.

The Western population displayed the highest average score (.90) for item 1 of the BDI-II, sadness. The Sanankoroba population displayed the lowest average score (.60) for sadness and the Bamako population displayed a median score (.25). This data support my hypothesis that Western populations are more inclined to express sadness as a symptom of depression than non-Western populations. Furthermore, this data support the hypothesis that

the Bamako population has begun to shift its expression of illness behavior as the city is westernized as a result of globalization.

The second item of the BDI-II is pessimism, and it followed the same trend as sadness (average 1.0 score for the Western population, average .65 score for the urban population, and average .30 score for the rural population). Pessimism is related to one's expectations about the future. Many Malians do not fixate on the future the way Westerns tend to fixate upon the future. Day-to-day survival in Mali is difficult enough that most Malians cannot worry about the future as well as the present struggles. I believe the Western obsession with the future may have evolved from excess and luxuries. It can be seen from the data collected in Bamako that as daily survival becomes a less pressing issue, people are starting to contemplate their future, and sometimes through a pessimistic perspective.

Items 3 and 8, past failures and self-criticalness, both demonstrated approximately equal average scores across the three populations. What do past failures and self-criticalness have in common that might explain this cross-cultural similarity? I believe the ability to look back in hindsight and critique one's past faults or mistakes is a universal within humankind. The ability to assess one's weaknesses and errors helps to ensure that the errors will not repeat themselves in the future; it is an incredibly useful aspect of human development and evolution.

Items 4 and 12, loss of interest and loss of pleasure provided a strange anomaly in the data. The data on loss of interest showed approximately equal scores for the urban and rural Malian samples (1.35 and 1.40 respectively) and a much lower score (.30) for the Western sample. Loss of pleasure, on the other hand, showed equal scores for the Western and Sanankoroba populations (.60) and a slightly higher score for the Bamako population (.75). I believe the answer to this irregularity lies in the exact phrasing of the BDI-II questionnaire. Item 4 evokes the notion of not taking pleasure or enjoyment "from the things I used to

enjoy," while item 12 mentions losing "interest in other people or things." Most westerners can conceptualize growing tired or not taking as much pleasure from something that was once new and exciting. For example, individual X used to enjoy playing soccer, but today he or she no longer takes enjoyment from the sport. It is much more difficult for a Westerner to conceptualize the general loss of all interest in other people or activities.

Past studies suggest that item 5, guilty feelings, is a key symptom of traditionally Western depression. The data show a high average guilt score (1.20) for the Western population and approximately equal lower scores for the urban and rural Malian populations (.55 and .50 respectively). Guilt is indicative of remorse and regret. If one is capable of feeling guilt then he or she is capable of self-consciousness and evaluation of past decisions. Furthermore, feelings of guilt are only possible if one believes that he or she is responsible for his or her actions. Thus feelings of guilt should be more prevalent in Western societies because they tend to center more about the culture of the individual.

In contrast, past studies suggest that item 6, punishment feelings, is a key symptom of traditionally non-Western depression, in which the emphasis is placed on psychosomatic symptoms and paranoia. The data show the highest average score (1.20) for the rural population, a middle score (.70) for the urban population, and the lowest score (.40) for the Western population. This is to be expected because once again, it reflects the question of who is responsible for one's fate. In order for someone to feel punished, someone must be punishing the subject. Higher punishment scores indicate that one does not feel responsible for his or her own suffering, and therefore, is not entirely responsible for his or her own life position.

Item 7 and 14, self-dislike and worthlessness, both displayed higher scores for the Western population (.80 and .90) and approximately equal lower scores for the two Malian populations (.35, .30, .40, and .45). Self-dislike and feelings of worthlessness are two closely

related concepts linked by the idea of value. What causes an individual to value their existence in comparison to others? Once again, the individualist society that dominates Western culture emphasizes a culture in which one individual's worth can be compared against another's worth. If a society is comprised of unique, disjointed individuals, surely certain individuals are more valuable than others.

All three populations scored approximately equally for items 13 and 17, indecisiveness and irritability (.85, .80, .70 and .60, .60, .60). Indecisiveness is related to one's ability to confront decisions. It is human universal that everyday one is faced with making decisions. The evaluation of the possible choices and their outcomes is a difficult process for everyone, and therefore, it is not surprising that all three populations expressed some anxiety over their decision-making capabilities. The sensation of irritability, furthermore, is also a near universal experience. Everyone is familiar with feeling cantankerous, grouchy, and shorttempered from time to time.

Item 9, suicidal thoughts or wishes, is one of the more controversial items on the BDI-II, and therefore the data collected from this item must be regarded with extreme care. The findings suggest low rates of suicidal thoughts from all three populations, but particularly low within the rural population. It is likely that this finding can be explained by the cultural taboo against suicide that is common in Islamic regions. The marginally higher scores on the subject of suicidal thoughts in the urban population and the Western population are best explained by how suicide is viewed by the general public. Individuals who contemplate suicide can either be viewed as sympathetic victims or as ungrateful sinners. The viewpoint of sympathy is relatively accepted in Western society, and thus, individuals are more likely to contemplate the idea of suicide, without the intention of carrying out their ideas.

Item 10, crying, was one of the items that provided the most unexpected results, and therefore also provided one of the most insightful perspectives on the powerful influence of

cultural-relativism. Crying scored very high results from the Sanankoroba population (1.60) and Bamako population (1.50), but much lower average scores were found within the Western population (.50). For item 10, the most intense answer choice "I feel like crying, but I can't" was selected 50% of the time. Therefore, the results do not suggest that people in Mali cry more frequently than in Western societies, in fact, they suggest just the opposite. Based on my experiences and observations of Malian culture, I believe this potent answer choice was picked preferentially by Malians due to a cultural taboo against crying. Even in situations that merit expressing sadness or grief, it is only rarely that one sees a Malian individual crying. This is vastly different from Western societies where crying publically or privately is socially accepted. Western media, such as television sitcoms or news programs, frequently show images of people crying. In western countries, many people associate a person who is crying with sympathy; however, in Malian society, most people associate crying with weakness, and hence, the sample indicated that they "can't" cry even though when they feel depressed.

Item 11, agitation, displayed a similar trend to crying in which the Malian populations scored highly (1.70 and 1.60) while the Western population scored significantly lower (.60). Like crying, these results were also surprising, because my observations of Mali suggest that Malians are significantly more sedentary than Americans. The explanation may lie in the fact that agitation has a somewhat negative connotation in the United States, but perhaps in countries such as Mali, agitation is associated with productivity and energy. Further research would provide insight into this unanticipated irregularity.

Another area where the data suggested startling results was within item 18, changes in appetite. Changes in appetite are a physical manifestation of depression, and thus, it was hypothesized that the rural population would on average provide higher scores within this category. However, the results suggest that all three populations scored approximately equally (.65, .70, and .70). Further research is also needed in this topic to fully comprehend

the difference between a physical symptom that addresses eating habits and other physical symptoms. However, this difference may be related to the fact that food exists in limited quantities. Unlike the insomnia or hypersomnia, one is not capable of eating at any given time that one chooses. Quite on the contrary, the correct resources must be available in order for someone to change their typical appetite patterns.

Item 29, concentration difficulty, is the final item with unexpected results. The Western population had the highest average score (1.20), followed by the Sanankoroba population's score (1.00), and then followed by the Bamako population's score (.75). This data was surprising because I cannot imagine many people in Sanankoroba needing to concentrate on a long period time on any single tedious task. The majority of the work that needs to be performed for daily survival is mind-numbing, simple, and dull—hardly the kind of work that requires concentration. For this reason, I was surprised that the Sanankoroba population scored higher than the Bamako population. Once again, this difference may be attributed to different cultural connotations of conceptions of the words "concentration difficulty."

Items 15, 16, 20, and 21, loss of energy, changes in sleeping pattern, fatigue, and loss of interest in sex, all followed approximately the same trend. There four items displayed very high scores for the rural population and significantly lower scores for the urban and western populations. This data support the hypothesis that non-Western cultures are more likely to emphasize psychosomatic symptoms and that the population in Bamako will change its illness behavior to incorporate traditionally Western mannerisms as globalization progresses and the culture of Bamako evolves within an increasingly less isolated city.

Further Implications:

At the closing of my Independent Study Project, what are the final messages one should take away from this study. The following conclusions are based on the collected Beck Depression Inventory-II data as well as information collected through interviews with medical professionals in Bamako.

- Globalization is having an immense effect on illness behavior in Bamako, and therefore, it is probably affecting other rapidly urbanizing cities as well. In order to provide adequate mental healthcare treatment, public health officials must examine the patterns of which illness behaviors are changing within cultures and which illness behaviors are remaining unchanged.
- 2. Different cultures reflect the different survival skills of different populations. The Western world is inclined to display depressive symptoms such as sadness, guilt, self-dislike, and worthlessness because a culture of individualism is a necessary survival skill. The culture of the community found within non-Western societies is necessary for survival within certain populations, and this collectivism affects illness behavior.
- **3.** This study depicts several depressive symptoms that do not fit the hypothesized pattern. Further research is required to validate these findings and provide an explanation for why certain trends are not being followed.
- 4. There is a delicate relationship between poverty, poor physical health, and poor mental health. If all three of these concepts are perpetually linked, then all three issues must be addressed if the public health world is to find success in the alleviation of poverty, poor physical health, and poor mental health from our planet.

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