Codebook, Notes on Edits and Analysis

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Codebook

Label for Variable	SPSS Variable	Coding Instructions
IDNumber	ID	Subject ID Number
What is your age (in years)?	Age	In years
Check one or more options for the		He, him, his - 1
set(s) of pronouns you want people to	Gender	She, her, hers - 2
use to refer to you:		Don't want to disclose - 3
		Diploma - 1
		Associate degree - 2
		Bachelor's Degree or
		equivalent (3 Years) - 3
Miles in a selection of a decision 2	ed salts.	Bachelor's Degree or
What is your level of education?	Education	equivalent (4 years) - 4
		Postgraduate Diploma -5
		Graduate Certificate - 6
		Master's Degree - 7
		Professional Charter - 8
		Single – 1
What is your marital status	Marital_Status	Married - 2
		Common-law-partner- 3
		None – 1
How many kids do you have?	Children	One – 2
		Two or more - 3
		Country 1 - 1
		Country 2 - 2
		Country 3 - 3
What is your country of origin?		Country 4 - 4
	Country	Country 5 - 5
		Country 6 - 6
		Country 7 - 7
		Country 8 - 8
		Country 9 - 9

		0 1 10 10
		Country 10 - 10
		Country 11 - 11
		Country 12 - 12
		Country 13 - 13
		Country 14 - 14
		Country 15 - 15
		Country 16 - 16
		Country 17 - 17
		Country 18 - 18
		Country 19 - 19
		Country 20 - 20
		Country 21 - 21
		Country 22 - 22
		Country 23 - 23
		Country 24 - 24
		Country 26 - 26
		Country 27 - 27
		Country 28 - 28
		Country 29 - 29
		Country 30 - 30
		Country 31 - 31
		Country 31 - 32
		I don't work - 1
	WH_perweek	Less than 5 hours - 2
		5-10 hours - 3
How many hours per week are you		11-15 hours - 4
working?		16-20 hours - 5
_		21 -30 hours - 6
		31 - 40 hours - 7
		More than 40 hours - 8
		Almost always - 1
		Always - 2
I keep studying even when I receive		Usually - 3
tiredness signals from my body (e.g.,	Studying(-ve)	Often - 4
continual yawning).	2 , 0 ()	Sometimes - 5
		Seldom - 6
		Never - 7
I skip my meals because I am busy		Almost always - 1
with studies.	Skip_meats(-ve)	Always - 2
		,vay3 2

		Usually - 3
		Often - 4
		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
		Always - 2
		Usually - 3
I forget about drinking/hydrating	Hydrating(-ve)	Often - 4
myself unless I feel very thirsty.		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
		Always - 2
I pay attention to nutritional		Usually - 3
replenishment when choosing food	Nutritional_Replenishme	Often - 4
and drink to have for my meals.	nt	Sometimes - 5
		Seldom - 6
		Never - 7
	Satisfaction_sleep	Almost always - 1
		Always - 2
		Usually - 3
I get sufficient sleep to wake up feeling recovered.		Often - 4
recovered.		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
		Always - 2
		Usually - 3
Look opide come time for physical		Often - 4
I set aside some time for physical activities.	Physical_activities	Sometimes - 5
activities.		Seldom - 6
		Never - 7
		Did not do it – 8
		I used to hit – 9
I autonomously take regular breaks during my workday to renew and recharge.	Dogular Brook	Almost always - 1
		Always - 2
	Regular_Break	Usually - 3
Technique.		Often - 4

		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
		Always - 2
		Usually - 3
		Often - 4
I get physical exercise at designated	Physical exercises	Sometimes - 5
times.	r ilysical_exercises	Seldom - 6
		Never - 7
		Yes, but star -8
		I used to hit - 9
		Almost always - 1
		Always - 2
My food intake varies, such that I eat		Usually - 3
a lot some days but eat little on other	Food_Intake(-ve)	Often - 4
days.		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
		Always - 2
I cannot go to bed at a designated	Bed_Time(-ve)	Usually - 3
time for many reasons.		Often - 4
,		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
		Always - 2
I treat people and things around me		Usually - 3
I treat people and things around me with gratitude.	People_Gratitude	Often - 4
with gratitude.		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
I directly praise and express appreciation of others.		Always - 2
		Usually - 3
	Praise	Often - 4
		Sometimes - 5
		Seldom - 6

		Never - 7
		Almost always - 1
		Always - 2
		Usually - 3
I quickly overcome the impact of	Negative_emotions	Often - 4
negative emotions.		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
		Always - 2
		Usually - 3
I appropriately control my emotions.	Control_Emotions	Often - 4
		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
		Always - 2
		Usually - 3
I try to take a new perspective when I have issues at college.	Issues_college	Often - 4
liave issues at college.		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
		Always - 2
Harl for more than to had the	Meaning_in_work	Usually - 3
I look for meaning in what I have learned and worked on.		Often - 4
learned and worked on.		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
		Always - 2
I seek feelings of satisfaction and		Usually - 3
achievement while studying and/or	Feelings_of_satisfaction	Often - 4
working.		Sometimes - 5
		Seldom - 6
		Never - 7
Last motivated by impairing my		Almost always - 1
I get motivated by imagining my future self doing work.	Motivated	Always - 2
		Usually - 3

		Often 4
		Often - 4
		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
		Always - 2
I get positive energy for my studies by		Usually - 3
reading additional material and	Positive_Energy	Often - 4
inspirational stories.		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
		Always - 2
		Usually - 3
I do what I enjoy in my college	Enjoy_in_College	Often - 4
program.		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
	Time_and_Energy	Always - 2
I allocate my time and energy to		Usually - 3
doing the most important things.		Often - 4
		Sometimes - 5
		Seldom - 6
		Almost always - 1
		Always - 2
	Core Values	Usually - 3
I act according to my core values (i.e.,		Often - 4
what I value the most) in my life.		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
		Always - 2
I use some strategies to purposefully		Usually - 3
reduce or avoid disruptions from outside my studies.	Strategies	Often - 4
		Sometimes - 5
		Seldom - 6
		Never - 7
		Almost always - 1
L		1

		Always - 2
	Interrupted_during_stud	Usually - 3
When I am interrupted during		Often - 4
studying, I quickly switch attention back to the task at hand.	у	Sometimes - 5
back to the task at hand.		Seldom - 6
		Never - 7
		Almost always - 1
		Always - 2
I do something else to refresh my mind when I find myself studying	Something_to_refresh	Usually - 3
		Often - 4
inefficiently.		Sometimes - 5
		Seldom - 6
		Never - 7
	Most_efficient	Almost always - 1
		Always - 2
Larrange my most officient hours to		Usually - 3
I arrange my most efficient hours to do the most important work.		Often - 4
		Sometimes - 5
		Seldom - 6
		Never - 7

NOTES

Data Collection:

- The provided data file (dataset 1 & 2) where loaded into excel
- The questionnaires in the data sets was analysed and appropriate variable names where provided as mentioned in the codebook.
- Several functions such as UNIQUE, SORT and FILTER was used to explore the data and find patterns.

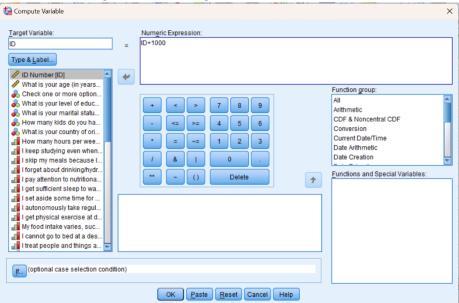
Categorising Variables:

- The survey questions were converted into variables and the categorical energy management variables were categorised into different types of energy management (physical, mental, emotional and spiritual)

Variable	Summated Category
Studying	Physical
Skip_meals	Physical
Hydrating	Physical
Nutritional_Replenishment	Physical
Satisfaction_sleep	Physical
Physical_activities	Physical
Regular_Break	Physical
Physical_exercises	Physical
Food_Intake	Physical
Bed_Time	Physical
People_Gratitude	Emotional
Praise	Emotional
Negative_emotions	Emotional
Control_Emotions	Emotional
Core_Values	Spiritual
Meaning_in_work	Spiritual
Feelings_of_satisfaction	Spiritual
Motivated	Mental
Positive_Energy	Mental
Enjoy_in_College	Mental
Time_and_Energy	Mental
Issues_college	Mental
Strategies	Mental
Interrupted_during_study	Mental
Something_to_refresh	Mental
Most_efficient	Mental

Data Cleaning & Manipulation:

- The data files were loaded to SPSS as two different datasets.
- Recode ID Numbers: The ID numbers in Dataset 2 were recoded by adding 1000 to the IDs before merging the datasets.
 - The IDs where recoded using TRANSFORM > COMPUTE, and the existing variables where the existing IDs where changed.



- The datasets where merged using DATA > MERGE FILES > ADD CASES

Missing Values

 The missing values where identified and the cases with missing values were removed for data consistency. Total of 22 rows corresponding to the following IDs with missing values was removed:

Bachelor's Degree or equivalent (3 Years)

41,51,54,55,59,64,87,88,90,1003,1007,1020,1071,1078,1084, 1112,1119

Data Cleaning Bachelor's Degree or equivalent (4 years) Master's Degree Bachelor's Degree or equivalent (4 years) She, her, hers Bachelor's Degree or equivalent (3 Years) Bachelor's Degree or equivalent (4 years) Bachelor's Degree or equivalent (3 Years) Bachelor's Degree or equivalent (3 Years) Don't want to disclose To clean the data: 21 He, him, his 21 She, her, hers 21 He, him, his Identified the missing values Bachelor's Degree or equivalent (3 Years) 21 He, him, his and deleted them using 21 She, her, hers 21 He, him, his 21 He, him, his descriptive analysis. (Data>> Bachelor's Degree or equivalent (3 Years) Sort cases) 22 He, him, his 22 She, her, hers 22 She, her, hers 22 He, him, his Bachelor's Degree or equivalent (3 Years) Bachelor's Degree or equivalent (3 Years) Bachelor's Degree or equivalent (3 Years) Bachelor's Degree or equivalent (3 Years)

22 He, him, his

Recoding Variables for data consistency:

- The following categories were recoded in the respective variables to ensure consistency in the analysis:
 - "Yes, but star" was changed to "Usually"
 - "I used to hit" was changed to "Seldom"
 - "Did not do it" was changed to "Never"
- o All of the variables had categories as follows

Category	Value
Almost	1
always	
Always	2
Usually	3
Often	4
Sometimes	5
Seldom	6
Never	7

 Two of the variables had different categories on top of the common ones as follows.

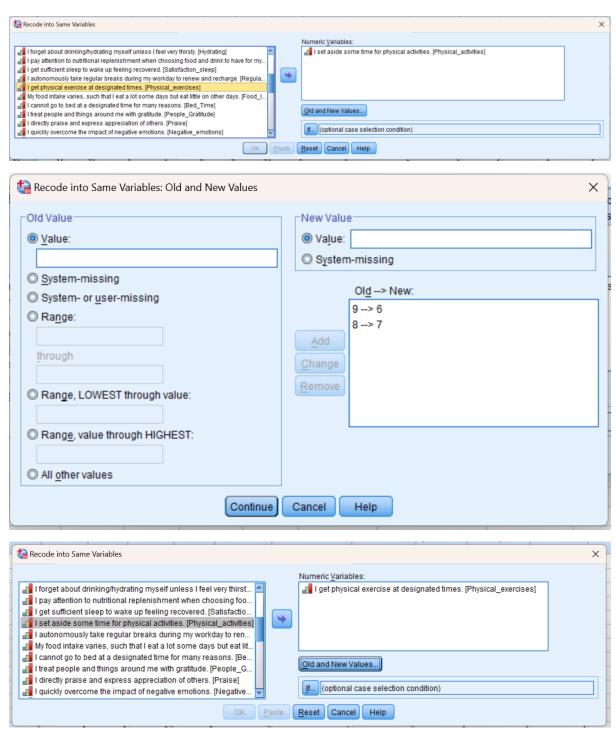
Physical_activities		Physical_exercises			
Category	Value	Count	Category	Value	Count
Almost always	1	13	Almost always	1	6
Always	2	13	Always	2	10
Usually	3	17	Usually	3	16
Often	4	24	Often	4	23
Sometimes	5	61	Sometimes	5	44
Seldom	6	37	Seldom	6	45
Never	7	29	Never	7	50
Did not do it	8	1	Yes, but star	8	1
I used to hit	9	1	I used to hit	9	1

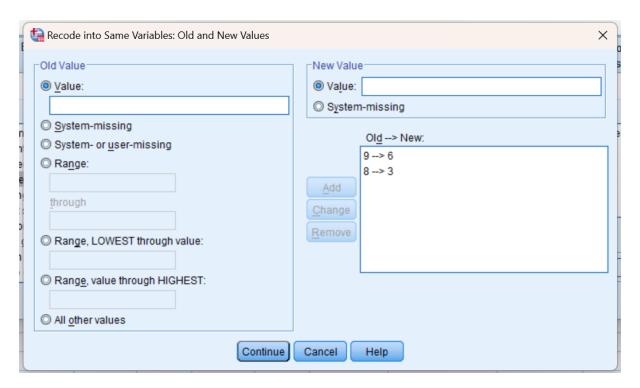
• The following categories were recoded in the respective variables as follows to ensure consistency in the analysis.

Category Value Changed to Category Changed to Value	ie
---	----

Yes, but star	8	Usually	3
I used to hit	9	Seldom	6
Did not do it	8	Never	7

 Steps: TRANSFORM -> RECODE INTO SAME VARIABLE -> SELECT VARIABLE -> OLD AND NEW VARIABLE



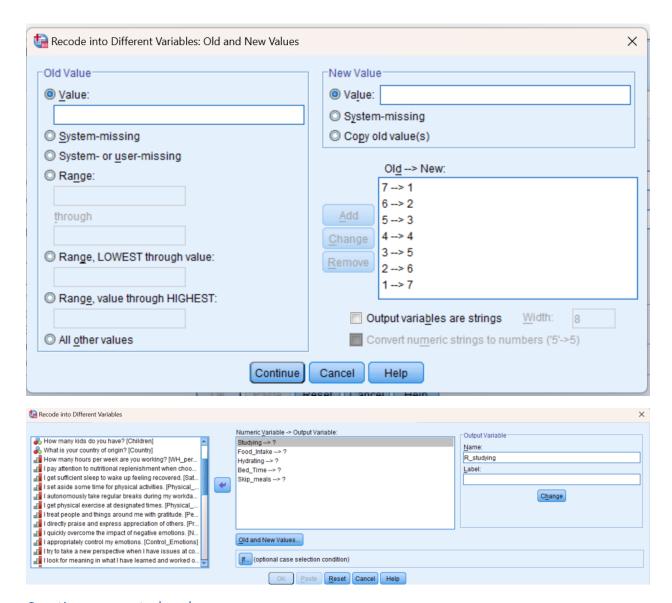


Recoded the values for the negatively worded statements

STEPS: Transform>Recoded into different variables

The following reversed variables were created:

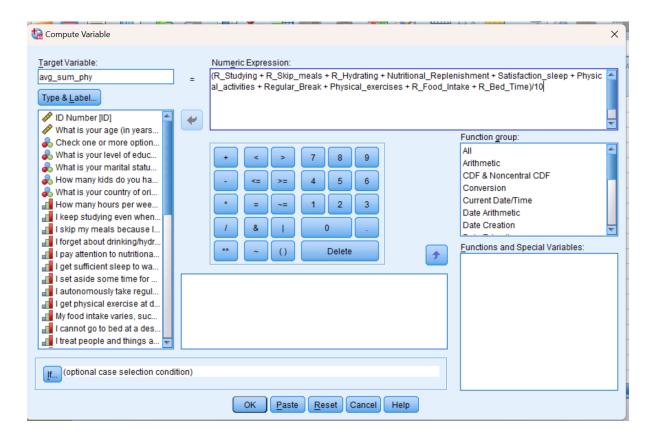
- R_studying
- R_Skip_meals
- R_Hydrating
- R_Food_intake
- R_Bed_Time



Creating summated scales:

Created individual summated scales for physical energy management skills, emotional energy management skills, mental energy management skills and for spiritual energy management skills and total energy management skills.

- The summated scales was created with respect to the categories mentioned above.
- STEPS: TRANSFORM > COMPUTE VARIABLES

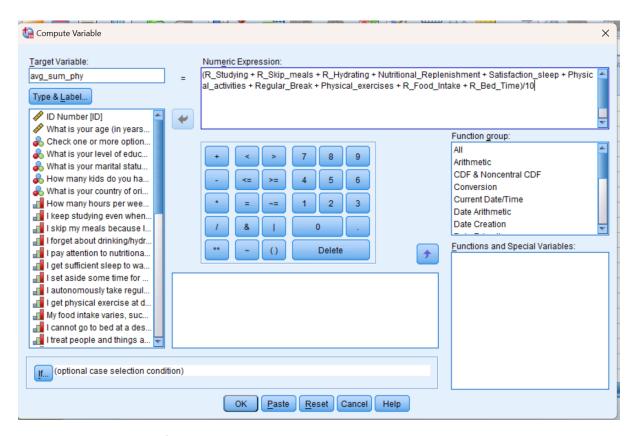


- o The following summated variables where created
 - sum_mental
 - sum_emotional
 - sum spiritual
 - sum_total

Creating average summated scales:

Created individual average summated scales for physical energy management skills, emotional energy management skills, mental energy management skills and for spiritual energy management skills and total energy management skills.

- The summated scales was created with respect to the categories mentioned above.
- STEPS: TRANSFORM > COMPUTE VARIABLES

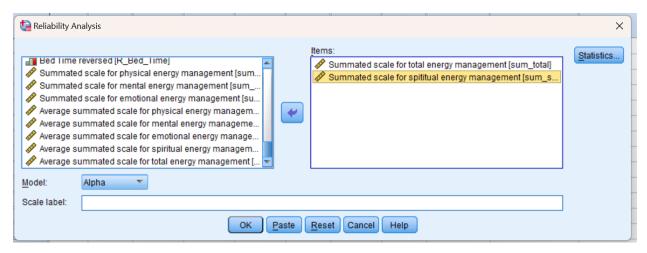


- The following summated variables where created
 - avg_sum_phy
 - avg_sum_men
 - avg_sum_emo
 - avg_sum_spi
 - avg_sum_total

Reliability Analysis on summated scales

- Conduct a reliability analysis for each of the scales (including the individual summated scales

 physical energy, emotional energy, mental energy, and spiritual energy and the total
 averaged summated scale).
- STEPS: ANALYZE > SCALE > RELIABILITY ANALYSIS > select variables > STATISTICS > MODEL(ALPHA) > OK



- Results for reliability analysis for summated variables:
 - Summated physical energy to total energy management=0.727

Reliability Statistics

Cronbach's Alpha	N of Items
.727	2

Summated mental energy to total energy management=0.746

Reliability Statistics

Cronbach's	
Alpha	N of Items
.746	2

Summated emotional energy to total energy management=0.423

Reliability Statistics

Cronbach's Alpha	N of Items
.423	2

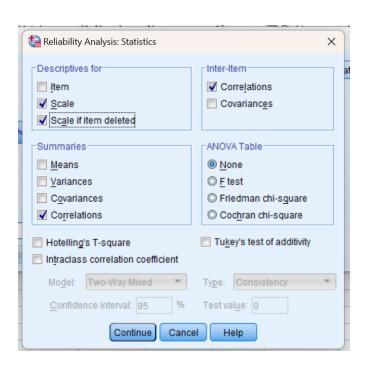
Summated spiritual energy to total energy management=0.431

Reliability Statistics

Cronbach's	
Alpha	N of Items
.431	2

Cronbach's Alpha is a statistical measure used to assess the internal consistency reliability of a set of survey items or scale. The commonly accepted threshold for Cronbach's Alpha is 0.7. Values above this threshold suggest that the scale has acceptable internal consistency reliability, meaning that the items in the scale are correlated and are measuring the same underlying construct.

- Physical Energy to Total Energy Management: The Cronbach's Alpha is 0.727, indicates a good level of internal consistency for the 2-item scale. This means the items are closely related as a group and likely measure the same underlying concept.
- Mental Energy to Total Energy Management: The Cronbach's Alpha is 0.746, also indicates a
 good level of internal consistency for the 2-item scale.
- **Emotional Energy to Total Energy Management**: The Cronbach's Alpha is **0.423**. This value is considered low, suggesting that the items may not be strongly related, or they may not measure the same underlying concept.
- **Spiritual Energy to Total Energy Management**: The Cronbach's Alpha is **0.431**, which is also considered low, indicating that the items may not be strongly related.



Inter-Item Correlation Matrix

	Summated scale for physical energy management	Summated scale for mental energy management	Summated scale for emotional energy management	Summated scale for spititual energy management	Summated scale for total energy management
Summated scale for physical energy management	1.000	.267	.182	.080	.695
Summated scale for mental energy management	.267	1.000	.508	.701	.829
Summated scale for emotional energy management	.182	.508	1.000	.477	.636
Summated scale for spititual energy management	.080	.701	.477	1.000	.662
Summated scale for total energy management	.695	.829	.636	.662	1.000

Correlation coefficients measure the strength and direction of the relationship between two variables. The values of correlation coefficients range from -1 to 1.

A correlation coefficient of 1 indicates a perfect positive correlation, meaning that both variables move in the same direction together $\,$.

A correlation coefficient of -1 indicates a perfect negative correlation, meaning that as one variable increases, the other variable decreases.

A correlation coefficient of 0 suggests no linear relationship between the variables.

Here's a brief interpretation of the matrix:

- The Summated scale for physical energy management has a strong positive correlation with the Summated scale for total energy management (0.695), indicating that they tend to increase or decrease together.
- The Summated scale for mental energy management has a very strong positive correlation with the Summated scale for total energy management (0.829), suggesting a strong relationship between these two scales.
- The Summated scale for emotional energy management and the Summated scale for spititual energy management have moderate positive correlations with the Summated scale for total energy management (0.636 and 0.662 respectively).
- The Summated scale for spiritual energy management has the lowest correlation with the Summated scale for physical energy management (0.080), indicating a weak relationship.

- Additional results:

Summary Item Statistics

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Inter-Item Correlations	.504	.080	.829	.748	10.318	.059	5

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
Summated scale for physical energy management	133.88	821.561	.516		.730
Summated scale for mental energy management	149.48	809.266	.740		.675
Summated scale for emotional energy management	163.48	1016.548	.562		.759
Summated scale for spititual energy management	164.90	1012.139	.594		.756
Summated scale for total energy management	87.39	291.583	1.000		.599

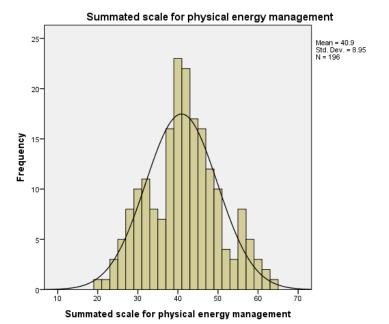
Scale Statistics

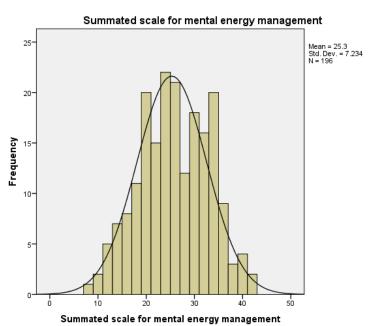
Mean	Variance	Std. Deviation	N of Items
174.79	1166.333	34.152	5

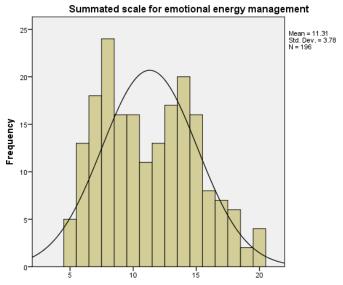
Normality of summated scales

Method 1 : Using Histogram

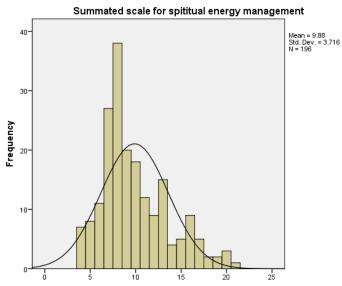
If the histogram shows a symmetrical distribution, it supports the assumption of normality.



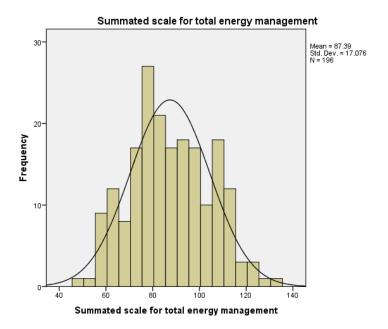




Summated scale for emotional energy management



Summated scale for spititual energy management



Method 2: Skewness and Kurtosis:

For a normal distribution, both should be about 0.

Statistics

		Summated scale for physical energy management	Summated scale for mental energy management	Summated scale for emotional energy management	Summated scale for spititual energy management	Summated scale for total energy management
N	Valid	196	196	196	196	196
	Missing	0	0	0	0	0
Mean		40.90	25.30	11.31	9.88	87.39
Median		41.00	25.00	11.00	9.00	86.00
Skewnes	s	.122	070	.289	.861	.161
Std. Error	r of Skewness	.174	.174	.174	.174	.174
Kurtosis		267	577	842	.244	551
Std. Error	r of Kurtosis	.346	.346	.346	.346	.346

- Mean: This is the average score for each scale. For example, the average score for the Summated scale for physical energy management is 40.90.
- Median: The median is the middle value in a data set. For all types of energy management, the median values are relatively close to their corresponding mean values, indicating a roughly symmetrical distribution of data.
- Skewness: It measures the asymmetry of the data distribution. A positive skewness value means the distribution is skewed to the right, while a negative value means it's skewed to the left. For example, the Summated scale for spiritual energy management has a positive skewness of 0.861, indicating a right-skewed distribution.

- Kurtosis: It measures the "tailedness" of the data distribution. A positive kurtosis value indicates a distribution with heavy tails and a sharp peak (leptokurtic), while a negative value indicates a distribution with light tails and a flat peak.
 - For example, the Summated scale for emotional energy management has a negative kurtosis of 0.842, indicating a platykurtic (flat peak) distribution.

Reliability Analysis on average summated scales

- Conduct a reliability analysis for each of the scales (including the individual averaged summated scales physical energy, emotional energy, mental energy, and spiritual energy and the total averaged summated scale).
- STEPS: ANALYZE > SCALE > RELIABILITY ANALYSIS > select average summated variables > STATISTICS > MODEL(ALPHA) > OK
- Results for reliability analysis for average summated variables:
 - Average summated physical energy to average summated total energy management
 = 0.797

Reliability Statistics

Cronbach's Alpha	N of Items
.797	2

Average summated mental energy to average summated total energy management
 = 0.260

Reliability Statistics

Cronbach's	Nofitome
Alpha	N of Items
.260	2

 Average summated emotional energy to average summated total energy management = 0.353

Reliability Statistics

Cronbach's Alpha	N of Items
.353	2

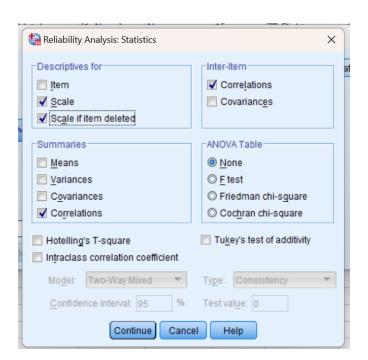
 Average summated spiritual energy to average summated total energy management=0.370

Reliability Statistics

Cronbach's	
Alpha	N of Items
.370	2

Cronbach's Alpha is a statistical measure used to assess the internal consistency reliability of a set of survey items or scale. The commonly accepted threshold for Cronbach's Alpha is 0.7. Values above this threshold suggest that the scale has acceptable internal consistency reliability, meaning that the items in the scale are correlated and are measuring the same underlying construct (Frost, 2024).

- Average Summated Physical Energy to Average Summated Total Energy Management: The
 Cronbach's Alpha is 0.797, which indicates a good level of internal consistency for your 2-item
 scale. This means the items are closely related as a group and likely measure the same
 underlying concept.
- Average Summated Mental Energy to Average Summated Total Energy Management: The
 Cronbach's Alpha is 0.260. This value is considered low, suggesting that the items may not be
 strongly related or they may not measure the same underlying concept.
- Average Summated Emotional Energy to Average Summated Total Energy Management: The
 Cronbach's Alpha is 0.353. This value is also considered low, indicating that the items may not be
 strongly related.
- Average Summated Spiritual Energy to Average Summated Total Energy Management: The Cronbach's Alpha is 0.370, which is also considered low, indicating that the items may not be strongly related.



Inter-Item Correlation Matrix

	Average summated scale for physical energy management	Average summated scale for mental energy management	Average summated scale for emotional energy management	Average summated scale for spiritual energy management	Average summated scale for total energy management
Average summated scale for physical energy management	1.000	.267	.182	.080	.695
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Average summated scale for spiritual energy management	.080	.701	.477	1.000	.662
Average summated scale for total energy management	.695	.829	.636	.662	1.000

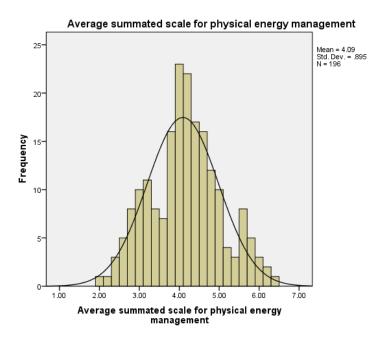
The correlation coefficients range from 0.080 to 1.000. A correlation coefficient of 1 indicates a perfect positive correlation, meaning that both variables move in the same direction together. On the other hand, a lower correlation coefficient, like 0.080, suggests a weaker relationship between the variables (Frost, 2024).

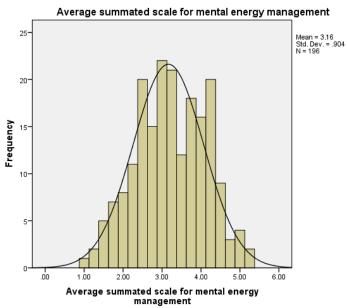
- The Average summated scale for physical energy management has a strong positive correlation with the Average summated scale for total energy management (0.695), indicating that they tend to increase or decrease together.
- The Average summated scale for mental energy management has a very strong positive correlation with the Average summated scale for total energy management (0.829), suggesting a strong relationship between these two scales.
- The Average summated scale for emotional energy management and the Average summated scale for spiritual energy management have moderate positive correlations with the Average summated scale for total energy management (0.636 and 0.662 respectively).
- The Average summated scale for spiritual energy management has the lowest correlation with the Average summated scale for physical energy management (0.080), indicating a weak relationship.

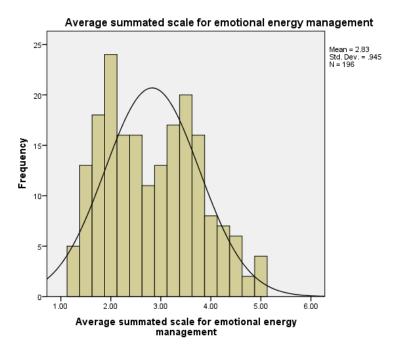
Normality of average summated scales

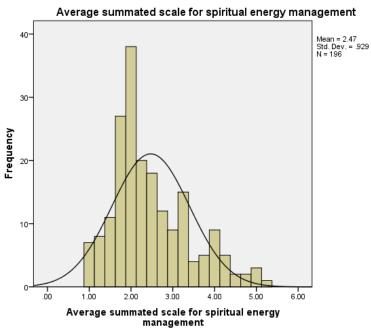
Method 1 : Using Histogram

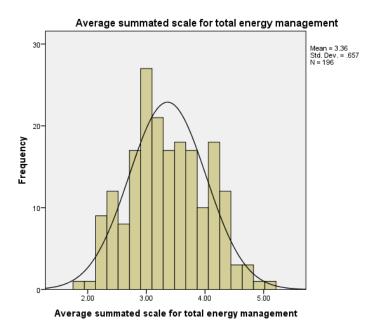
If the histogram shows a symmetrical distribution, it supports the assumption of normality.











Method 2: Skewness and Kurtosis:

For a normal distribution, both should be about 0.

Statistics

		Average summated scale for physical energy management	Average summated scale for mental energy management	Average summated scale for emotional energy management	Average summated scale for spiritual energy management	Average summated scale for total energy management
N	Valid	196	196	196	196	196
	Missing	0	0	0	0	0
Mean		4.0903	3.1626	2.8265	2.4707	3.3613
Median		4.1000	3.1250	2.7500	2.2500	3.3077
Skewne	ss	.122	070	.289	.861	.161
Std. Erro	or of Skewness	.174	.174	.174	.174	.174
Kurtosis	3	267	577	842	.244	551
Std. Erro	or of Kurtosis	.346	.346	.346	.346	.346

- **Mean**: This is the average score for each scale. For example, the average score for the Average summated scale for physical energy management is 4.0903. This suggests that, on average, the highest energy management score is for physical energy and the lowest is for spiritual energy.
- Median: The median is the middle value in a data set. For all types of energy management, the
 median values are relatively close to their corresponding mean values, indicating a roughly
 symmetrical distribution of data.

- **Skewness**: It measures the asymmetry of the data distribution. A positive skewness value means the distribution is skewed to the right, while a negative value means it's skewed to the left. The skewness values for physical, mental, emotional, spiritual, and total energy management are .122, -.070, .289, .861, and .161 respectively. This suggests that the distribution of scores for spiritual energy management is significantly skewed to the right.
- **Kurtosis**: It measures the "tailedness" of the data distribution. A positive kurtosis value indicates a distribution with heavy tails and a sharp peak, while a negative value indicates a distribution with light tails and a flat peak. The kurtosis values for physical, mental, emotional, spiritual, and total energy management are -.267, -.577, -.842, .244, and -.551 respectively. This suggests that the distributions for mental, emotional, and total energy management are platykurtic, while the distribution for spiritual energy management is closer to a normal distribution.

Comparative analysis on Reliability of Summated scales on Energy Management:

Energy Scale	Cronbach's Alpha Sample	Cronbach's Alpha Value	
	Value (P.2091) (dataset 1)	(Dataset2)	
Physical	.72	.727	
Emotional	.79	.423	
Spiritual	.64	.431	
Mental	.79	.746	

Based on the above comparison, the energy scales of sample value give us good internal consistency with Physical, Emotional and Mental scales as the Cronbach's Alpha values given are above the threshold value of 0.7. On the other hand, our analysis on the provided dataset gives us a good internal consistency for Physical and Mental scales as 0.727 and 0.746 are greater than the threshold value of 0.7.

Comparative analysis on Reliability of Average Summated scales of Energy Management:

Energy Scale	Cronbach's Alpha Sample	Cronbach's Alpha Value	
	Value (P.2091)		
Physical	.72	.797	
Emotional	.79	.353	
Spiritual	.64	.370	
Mental	.79	.260	

Based on the above comparison, the energy scales of sample value give us good internal consistency with Physical, Emotional and Mental scales as the Cronbach's Alpha values given are above the threshold value of 0.7. On the other hand, our analysis on the provided dataset gives us a good internal consistency only for Physical scale as 0.797 is greater than the threshold value of 0.7.