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TYBA (A)

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Adesdia

Psychology SEC

Assignment on correlation

Descriptives

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	Age	Eudemonic Wellbeing	Hedonic Wellbeing	Psychological Wellbeing
N	67	67	67	67
Missing	0	0	0	0
Mean	17.7	12.4	7.99	15.7
Median	18	13	8	16
Mode	18.0	14.0	8.00	14.0*
Standard deviation	1.26	4.54	2.99	5.45
Minimum	14	3	1	2
Maximum	20	21	14	25
Skewness	-1.37	-0.0786	-0.356	-0.526
Std. error skewness	0.293	0.293	0.293	0.293

* More than one mode exists, only the first is reported

Q1. Describe measures of central tendency and standard deviation for the variables.

Ans : Measures of central tendency are as follows :

i. Mean

Mean is the average of a given data set. It is the most widely used measure of central tendency. It is best used when the data is symmetrical.

Formula for mean is -

$$\bar{x} = \frac{\sum fix_i}{n}$$

where,

\bar{x} = mean

f_i = frequency

x_i = midpoint

n = total number of scores/frequency

In the given data set, there are four variables namely age, eudemonic wellbeing, hedonic wellbeing, and psychological wellbeing. The mean for age is 17.7; for eudemonic wellbeing is 12.4; 7.99 for hedonic wellbeing; and 15.7 for psychological wellbeing.

