World Happiness Data Case Study (or Excel Assignment) 07-20-23

Name(s): _____ M201 section _____

The 3rd UN Sustainable Development Goal is Good Health and Well-Being. The two dependent variables, we will examine are **Ladder Score (happiness)** and Healthy Life Expectancy.

Get to know the Data (Univariate Analysis):

1. What is the sample size? _____

Examine M, SD, skewness, and kurtosis of the two DVs (report 2 digits after the decimal)

	Ladder Score	Healthy Life Expectancy
2. Mean	_____	_____
3. SD	_____	_____
4. Skewness	_____	_____
5. Kurtosis	_____	_____

6. What country has the highest happiness score? _____

7. What country has the lowest happiness score? _____

8. What country has the longest healthy life expectancy? _____

9. What country has the shortest healthy life expectancy? _____

10. If highest = 1, what rank is the United States on happiness? _____

11. If highest = 1, what rank is the United States on healthy life expectancy? _____

Bivariate Analysis: Run six simple linear regressions to predict the ladder score and enter the Adj R^2 and p-value in the corresponding row below (Q12 – Q17):

	Adj R^2 (round to .##)	p-value (report .###)
Logged GDP		
Social support		
Healthy life expectancy		
Freedom		
Generosity		
Corruption		

Run six simple linear regressions to predict the ladder score and enter the Adj R^2 and p-value in the corresponding row below (Q18 – Q23):

	Adj R^2 (round to .##)	p-value (report .###)
Ladder Score		
Logged GDP		
Social support		
Freedom		
Generosity		
Corruption		

24. What is the strongest predictor of happiness? _____

25. How many statistically significant predictors of happiness are there? _____

26. What is the strongest predictor of healthy life expectancy? _____

27. How many statistically significant predictors of healthy life expectancy are there? _____

28. Is logged GDP more strongly related to? (circle one)

happiness or life expectancy

29. Write the regression equation for Social Support predicting Healthy Life Expectancy:

30. Use the regression equation above and the dataset to see how much the rank of US Life Expectancy would be, if social support in the US improved to the maximum (in the database) of .983.