

SPSS Homework Medical analysis

WEEK 2



**Data Science
Academy**

HOMEWORK



Disclaimer: Homework is made up for educational purposes.

You have been given medical records of patients. Answer following questions.

1. Find skewness of "Weight of case" and "Age". Give interpretation.
2. Evaluate normality of same variables.
3. Apply empirical rule to height of case if the variable is normally distributed.
4. Assume "Height of case" and "Weight of case" are normally distributed. Compute following probabilities
 - a. What is the probability of a patient has height more than 1.70 cm?
 - b. What is the probability of a patient has weight between 65 and 75 kg?
 - c. What is the probability of a patient has height less than 1.50 cm?
5. You have given a sample medical data. Find confidence interval for "Height of case" and "Weight of case" of population mean.
6. Using the data set turnover_babushkin.csv Find relationship between following variables.
 - a. Novator and Anxiety
 - b. Self-control and Novator
 - c. Hire_source and left company
 - d. Profession and left company
 - e. Industry and left company
 - f. Tenure and Age