

PRACTICAL Week 2 – Data preparation

1. Open dataset students.sav
2. Generate a histogram for student weight
 - a. Add a normal curve
3. Generate descriptive statistics for student height (M, SD, min, max, median, variance)
4. Generate a boxplot for student height
 - a. Are there any outliers?
5. Now generate a boxplot for student weight by gender
 - a. Which gender's median is higher? Which gender has more variance?
6. Create a scatterplot for height and weight
 - a. Add a regression line
7. Do we see a relationship?
8. Compute Mahalanobis distance for the variables sleep hours and weight
 - a. How many cases have a significant value for Mahalanobis distance at $p < .001$?

Submit your practical:

1. Save your dataset, output, and syntax with your initials as extension, e.g., E0420 practical_week 2_GK
2. Submit all files to Homework Vaults