

PRACTICAL Week 5 - ANOVA

1. Open the dataset students.sav
2. Paste all calculations and answers to syntax file and save it regularly!
3. Test whether there is a statistically significant difference of **weight** by **school grade (recoded)**
 - a. How is school grade distributed?
 - b. Recode school grade into 3 groups: 6-7, 8-9, 10+
 - c. Are there outliers in the DV or the IV?
 - d. Obtain a plot
 - e. Run Welch test
4. Run a post-hoc test
 - a. Which groups are significantly different?
 - b. Write-up the results
5. Test whether this effect remains once we control for **height**
 - a. Run a post-hoc test
 - b. Obtain a plot
6. Test the effects of **gender** and **grade** on **weight**
 - a. Is there a significant interaction?
 - b. Obtain a plot
7. Test whether there are sig. differences in **weight** by **gender**
 - a. Report t test
 - b. Report F test

Submit your practical:

Save your syntax file to Homework Vaults