**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)**
	1. How is school grade distributed?
	2. Recode school grade into 3 groups: 6-7, 8-9, 10+
	3. Are there outliers in the DV or the IV?
	4. Obtain a plot
	5. Run Welch test
4. Run a post-hoc test
	1. Which groups are significantly different?
	2. Write-up the results
5. Test whether this effect remains once we control for **height**
	1. Run a post-hoc test
	2. Obtain a plot
6. Test the effects of **gender** and **grade** on **weight**
	1. Is there a significant interaction?
	2. Obtain a plot
7. Test whether there are sig. differences in **weight** by **gender**
	1. Report *t* test
	2. Report *F* test

**Submit your practical:**

Save your syntax file to Homework Vaults