SPSS Workshop

**While you do the tasks, save your commands in a syntax and annotate it reasonably. Put your results together in one Word document (only relevant information, not the whole output).**

1. Add the data from this additional participant:
   1. Media: Book
   2. Ind\_Emo: Joy
   3. Gender: Male
   4. Age: missing
   5. Res\_pre: 50
   6. Res\_post: 60
   7. Mot\_01: 1
   8. Mot\_02: 2
   9. Mot\_03: missing
   10. Mot\_04: 1
   11. Mot\_05: 3
2. Define values (labels) for the motivation items
3. Compute a new variable: mean of all motivation items
4. Check if the distribution of ‘gender’ is significantly associated with (or independent of) the ‘media’ factor and report the key results / numbers in one sentence.
5. Check if there are age differences between experimental conditions and report the key results / numbers in one sentence.
6. Check if the post-test results are significantly related to the amount of reported motivation, report the key results / numbers in one sentence, and display the relationship visually in a scatter plot.
7. Report means and standard deviations for post-test results for each experimental group in a table.
8. Check if learning gain was affected by factor 1 (media), or factor 2 (induced emotion), and if there was an interaction between the factors on learning gain. Briefly report the key results / numbers.
9. Check if there was a difference in the pre-test scores between males and females and report the key results / numbers in one sentence.