

## HW 2

### Deadline – Monday, April 8

Go to link <https://de.wikipedia.org/wiki/Anscombe-Quartett> and download 4 corresponding datasets from the Table

1. Calculate statistical measures (min, max, mean, ...) and check that they are identical.
2. Perform simple linear regression. Check that the slopes and intercepts are the same. Check that the accuracy measures  $R^2$ , RSE, ... are also the same.
3. Investigate the corresponding diagnostic plots and explain which datasets follow the linear model.