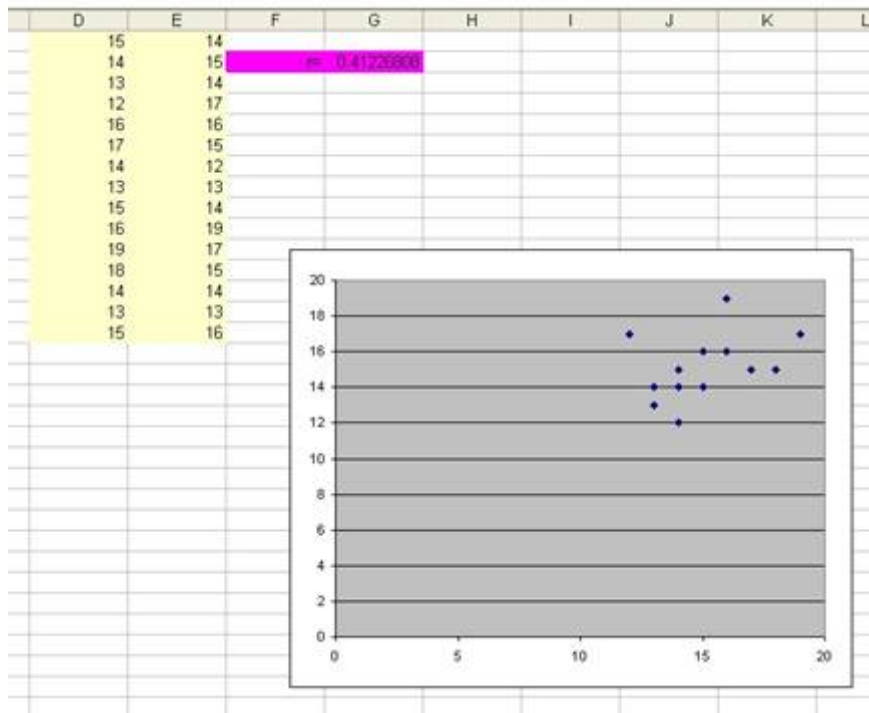# Coefficient of Correlations

please find below 2 Figures which should explain a specific situation with correlations.

In the first slide (top) you see results from test and retest, e.g. in a relatively homogeneouos group of healthy, normosmic subjects. Although, on an individual level, the reproducibility is quite high, this does not show at the level of the coefficient of correlation (which is 0.41)

What is show in the second slide (bottom) is the effect of adding additional data points from a group that has low scores (e.g., anosmic subjects). Although the reproducibility in the second group is not very good on an individual level, the added variance brings the coefficient of correlation up to a level of 0.87.