



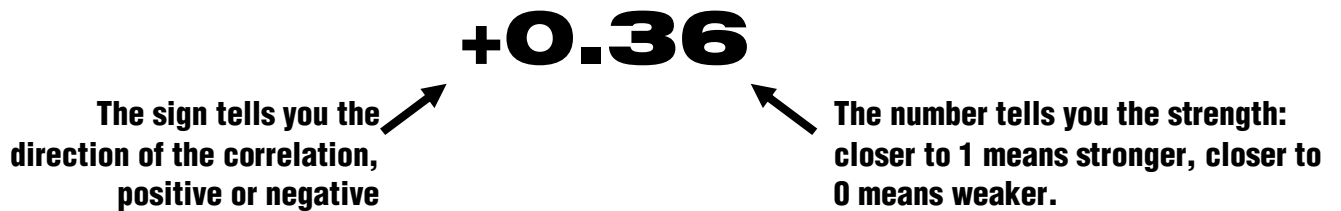
# Correlation coefficients

**This activity will help you to...**

- Interpret correlations from coefficients and scattergrams
- Understand the relationship between coefficients and scattergrams

## What is a correlation coefficient?

A correlation coefficient is a statistic that describes the relationship between two sets of paired data. The correlation coefficient tells you essentially the same thing as a scattergram, namely: whether two variables are related; if so, how strongly; and whether the relationship is positive (as one rises so does the other) or negative (as one rises, the other falls). Correlation coefficients are always numbers between -1 and +1. They are interpreted as follows:



Here are some scattergrams and the correlation coefficients that correspond to them. Try matching them up.

**+0.91**

**+0.66**

**-0.61**

**+0.22**

**-0.85**

**+0.01**

