

Welcome to week 2.

Our topic this week is correlations,

understanding them, testing them and summarising them.

The first topic will be partial correlations.

The idea there is that rather than just looking at two variables in

isolation and how they are correlated with each other,

we might ask, "Are they still correlated if we account for a third variable?"

Next, we'll look at multiple correlation coefficients,

that is, how well do several variables predict one.

We'll look at how to test

these coefficients and we'll look at principal component analysis.

This is a very useful technique in looking at a number of correlated variables and

getting the critical distinct information from among them. Welcome to week 2.