Correlation

What do we mean by comparing a continuous variable with a continuous variable?

Note that in correlation we're only interested in finding a relationship, not in prediction. We also don't consider one variable "independent", etc.

What is *r*, and what does it estimate?

What determines if *r* is positive? negative?

What is the range for *r*?

Know how to calculate r.

What is SS_{cp}?

If we're doing a hypothesis test, what is our H_0? our H_1?

What is our t^*?

What comparison do we make?

Why does a significant correlation not imply that one variable *causes* another?