

Validity of Scores

Part 1: Analysis - Concurrent Validity

Create the data file below. Assume you wanted to estimate the concurrent validity of scores from a tennis serve test you developed and the criterion measure available to you was an expert's scores of your students' serves. Using the data below, estimate validity. Explain what your answer tells you.

Serve test score	Expert's scores (consider continuous)
42	8
30	5
15	4
17	4
20	5
38	6
48	7
22	4
40	6
40	8
35	7
30	6

Part 2: Analysis - Predictive Validity

Use the Alcohol and Tobacco file

Determine if the amount spent on tobacco is a valid predictor of the amount spent on alcohol.

Check linearity

Notice outlier (northern ireland)

Remove outlier

Obtain PPMC

Note that if you don't remove outlier, $r = .224$

Interpret

Obtain SEE

Interpret

Part 3: Analysis - Predictive Validity

Use the football file

Is quarterback's salary a good predictor of total team salary?

- Check linearity

- Obtain PPMC

- Interpret