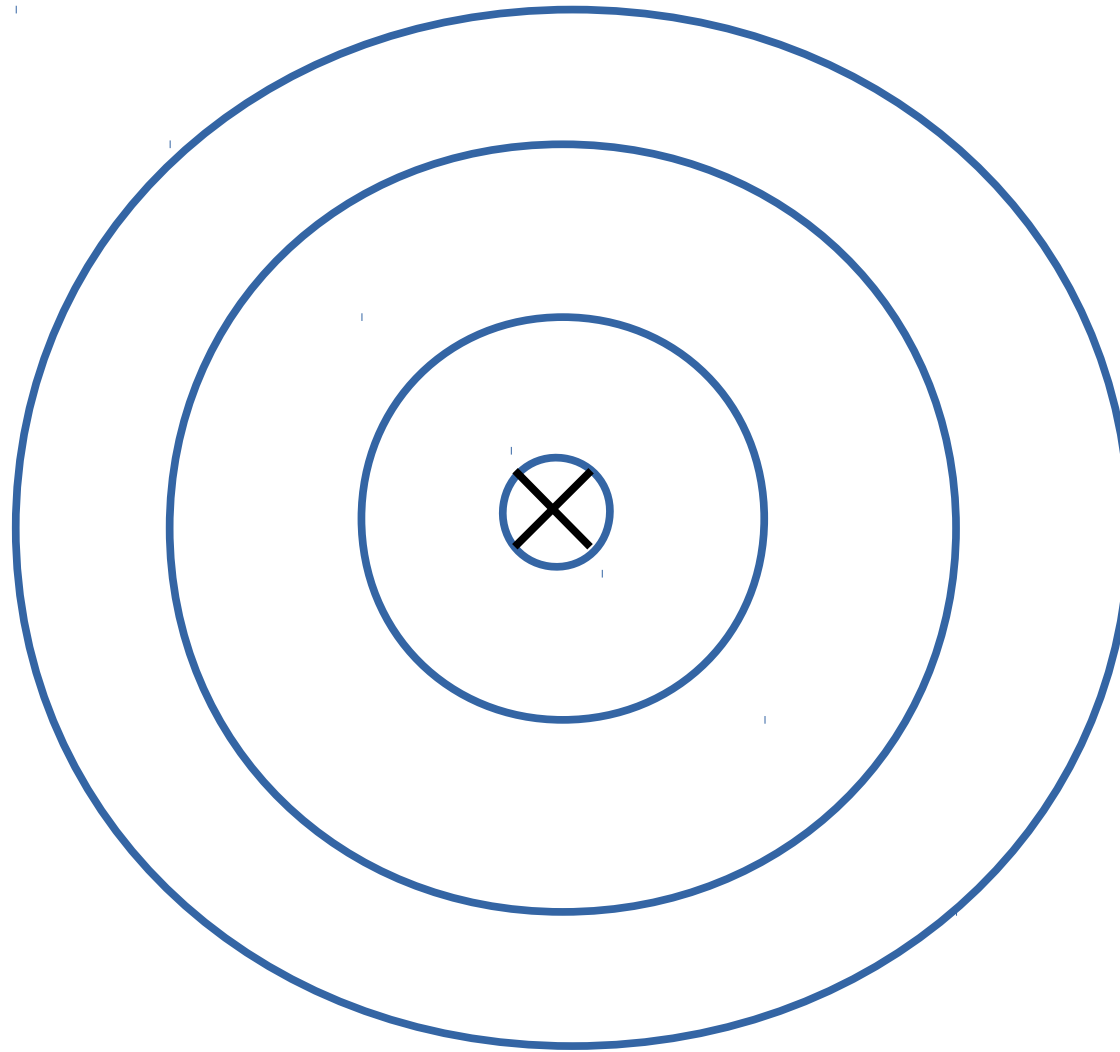


Reliability & Validity

Raymond Nelson
August 2016

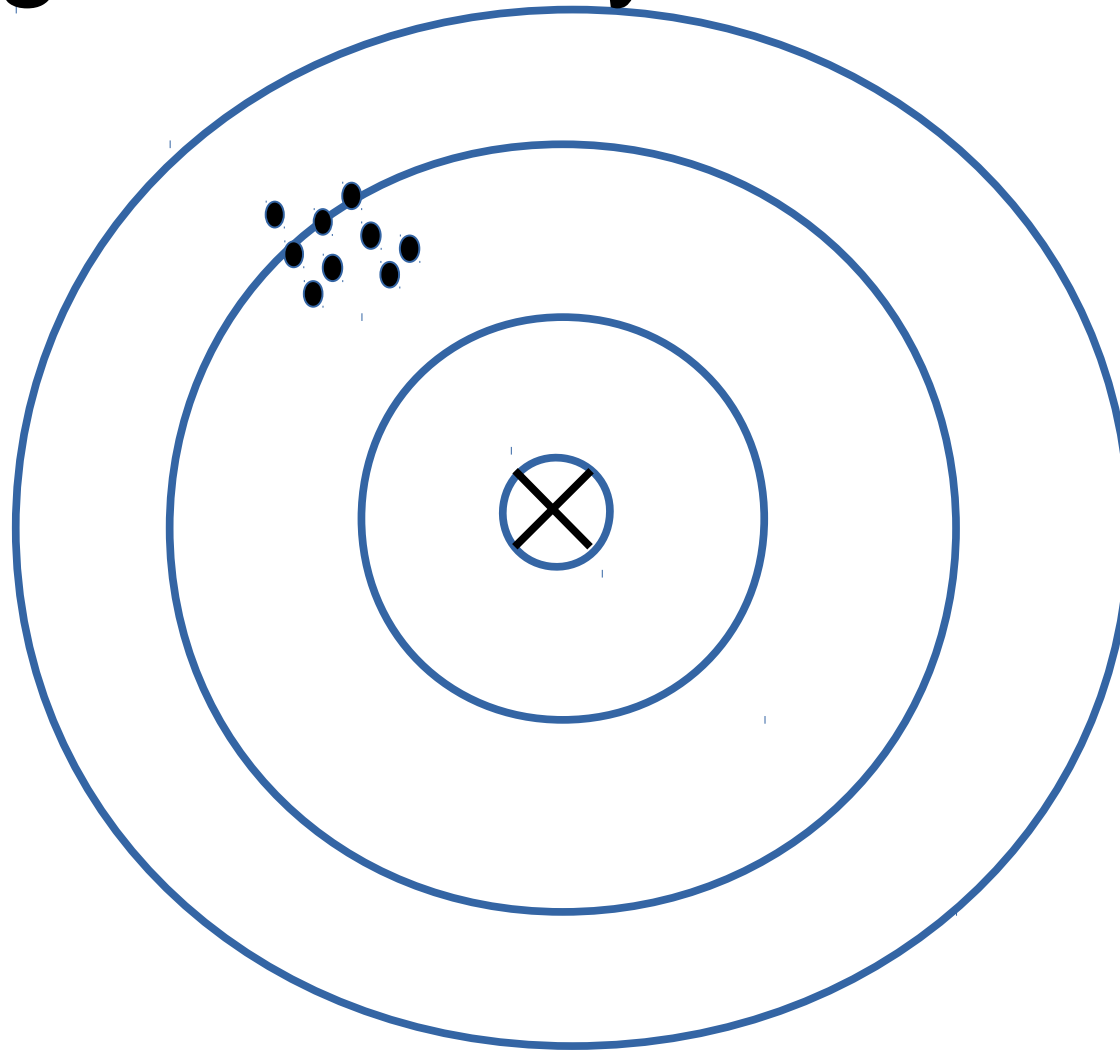
Reliability = repeatability

Validity = correct



Reliability

High Reliability / Low Validity



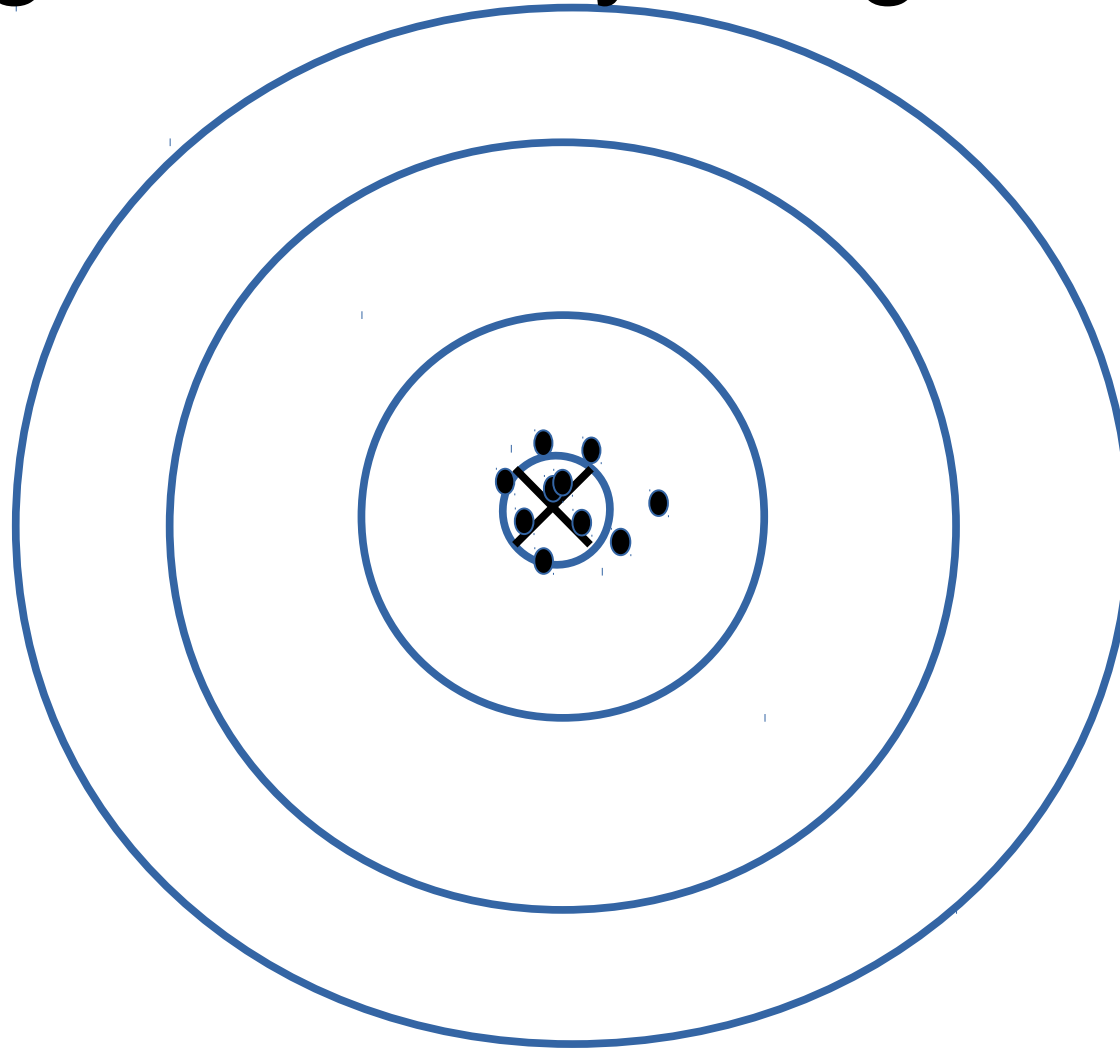
Validity

Depends in part on reliability

A test that is not reliable cannot be valid

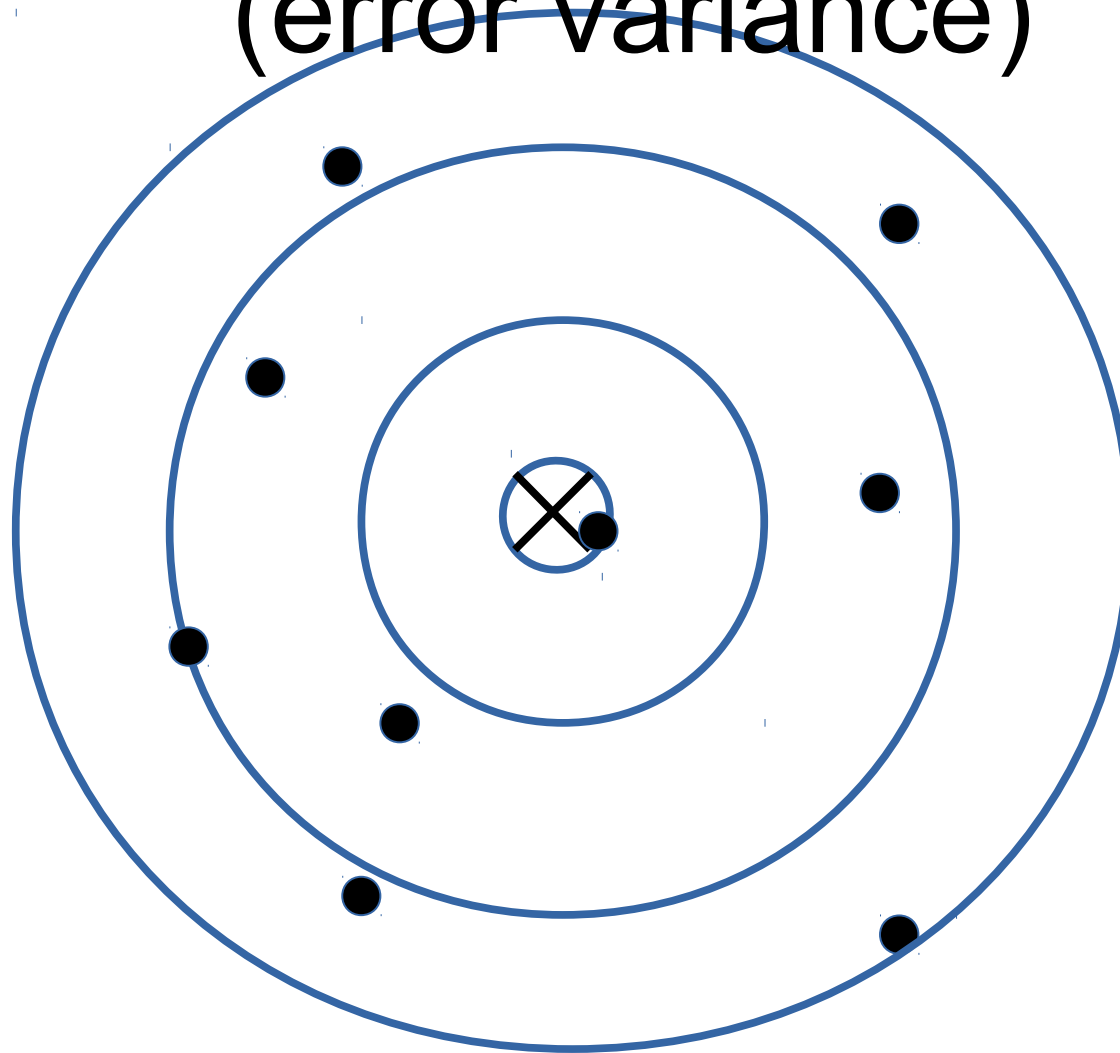
A test can be no more valid than it is reliable

High Reliability / High Validity



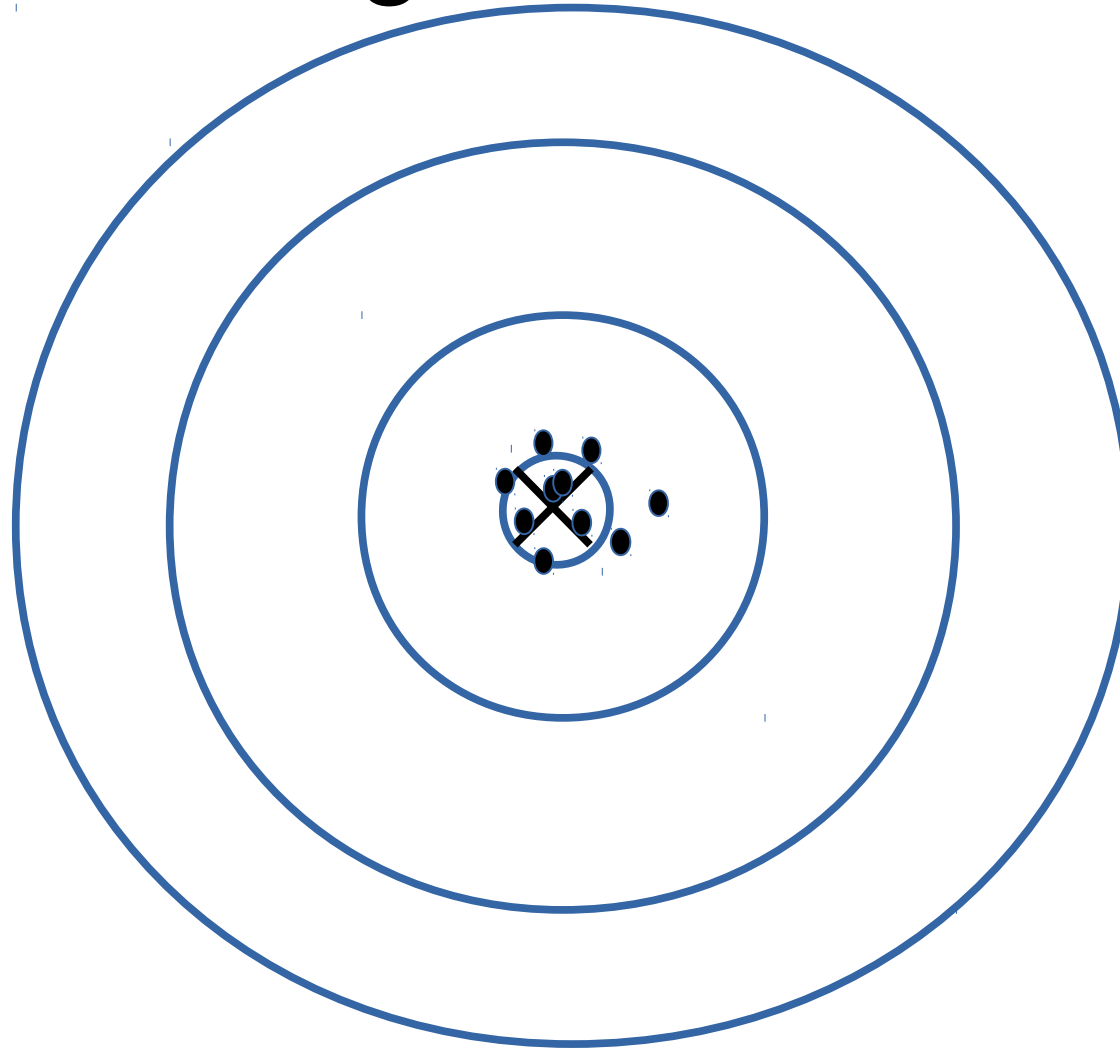
Un-reliability

Extreme In-test Variance (error variance)

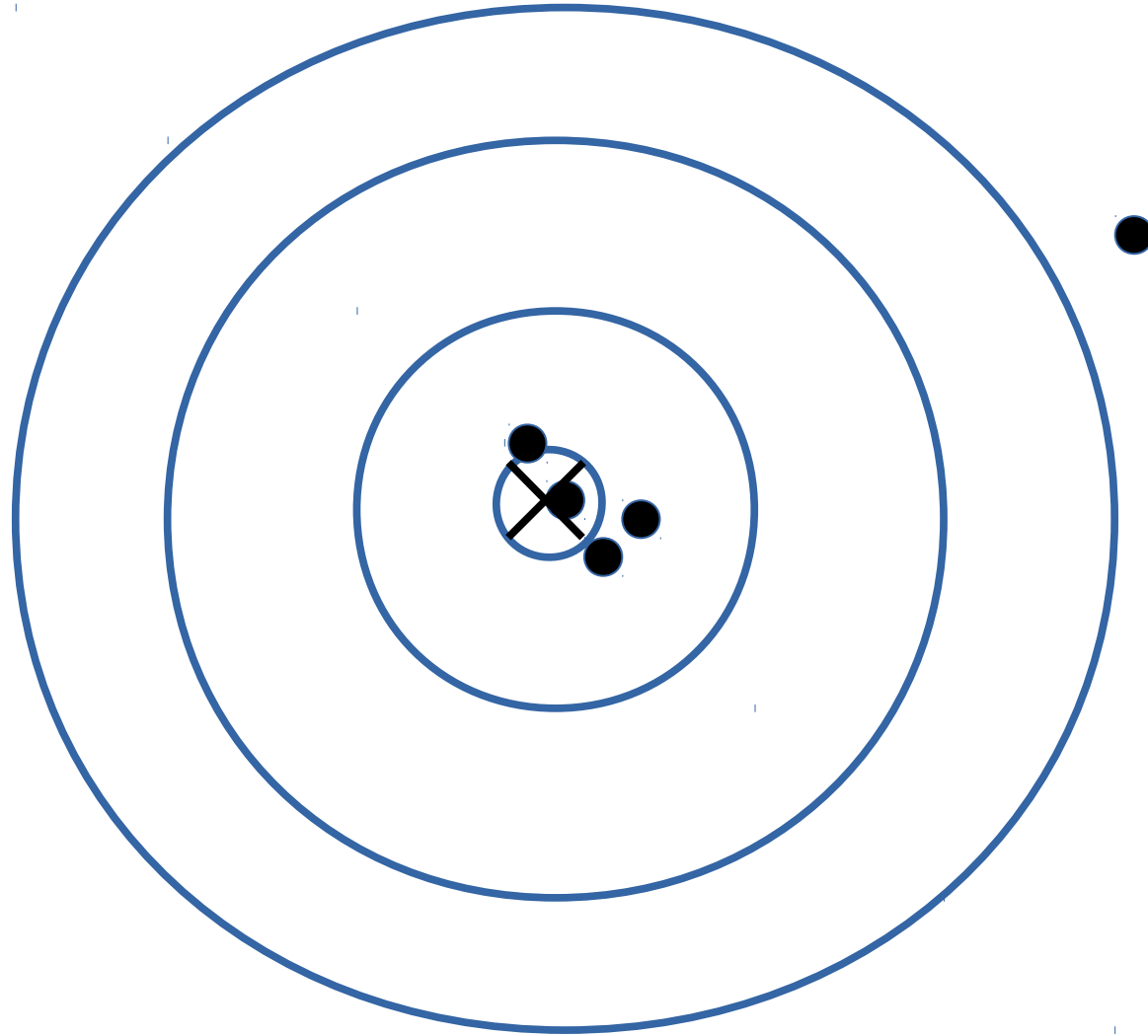


Single and Multiple Issue Tests

Single Issue Test



Data Outlier / Result Outlier



Multiple Issue Test

