

4. Comparing an experimental mean (\bar{x}) and a true or accepted value (μ). Identifying a systematic method error or *bias* at some specified level of confidence (typically 95%).

5. Comparing two experimental means to determine if they are different at a given level of confidence (95%).

6. Comparing individual differences in single measurements to determine if two methods are different at a given level of confidence (95%).

7. Treating calibration data. Method of least squares analysis for 'best fit' line.