

## 1. Agreement and Method Comparison Studies

- (a) What is Agreement?
- (b) Repeatability
- (c)
- (d)
- (e)

## 2. Bland Altman Single Observations

- (a)
- (b)
- (c)
- (d)
- (e)

## 3. Alternative Methods

- (a) Deming Regression
- (b) Mountain Plot
- (c) Bartko's Ellipse
- (d) Formal Tests and Procedures

## 4. Replicate Observations

## 5. LME models

## 6. Estimation and Algorithms

- (a) ML and REML estimation
- (b) MINQUE

(c)

## 7. Residual Diagnostics

(a) Marginal and Conditional Diagnostics

(b) Scaled Residuals

## 8. Influence Diagnostics

(a) Underlying Concepts

(b) Managing the Covariance Parameters

(c) Predicted Values, PRESS Residual and the PRESS Statistic

(d) Leverage

(e) Internally and Externally Studentized Residuals

(f) DFFITs and MDFFITs

(g) Covariance Ratio and Trace

(h) Likelihood Distance

(i) Non-iterative Update Procedures

# 1 MCS Data Sets

1. Blood Data
2. Cardiac Data
3. Nadler Hurley