Inference

Primary

Analysis

Wald Test

No

Yes

Multi-Group Comparison

Wald Test

Global Test

Convex Optimization & Constrained Inference

Wald Test &

mdFDR Correction

Wald Test &

mdFDR Correction

Pattern Analysis

Multiple Pairwise Comparisons Against the Reference Group

Multiple Pairwise Comparisons

Bias-Correction

Yes

No

Bias-Corrected Estimates

Gaussian Mixture Model &

E-M Algorithm

Preliminary Estimates

Iterative MLE

Iterative ReMLE

Repeated Measures