

Run_QA_Using_PCA

Inspect3D

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Search Parameters

Combined group passes

b

☐ Find all combined group outliers

Group Passes

0

☐ Find all group outliers

Subject Passes

0

☐ Find all subject outliers

☐ Seperate conditions in test

☐ Auto-exclude results

Hotelling's test and outliers

Retained PC cumulative variability

95

T-Squared

Q-Test

Custom C-Motion routine

High variability PC threshold

95

High variability P-Value

95

▼

Low variability P-Value

97.5

▼

Combined variability P-Value

99.9

▼

Run custom detection

The Run QA using PCA button allows the user to open the dialogue box that controls these functions. The Run Quality Assurance Using Primary Component Analysis dialogue is divided into three sections: Search Parameters, Hotelling's test and outliers, and Custom C-Motion routine.

The quality assurance using PCA function allows the user to automatically search the data and identify traces that are outside the norm. The search for outliers can be done by Combined Groups, Group, and Subjects.

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