Visualize the EEG output from the PREP processing pipeline.

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Calling directly: prepPipelineReport

This helper reporting script expects that EEG will be in the base workspace with an EEG.etc.noiseDetection structure containing the report. It also expects the following variables in the base workspace:

• summaryReportName name of the summary report

• summaryFolder folder where summary report goes

• sessionFolder folder where specific report goes

• sessionReportName name of individual report

- relativeReportLocation report location relative to summary

The reporting function appends a summary to the summary report.

Usually the prepPipelineReport script is called through the function:

```
publishPrepPipelineReport
```

Write data status and report header

```
RSVP Study, session 8, task main, recording 1[290 channels, 512000 frames]
Error status: good
Versions:
 Detrend:v0.48 GlobalTrend:v0.48 LineNoise:v0.48 Resampling:v0.48 Referenc
Sampling rate: 256Hz
Events: 0, Original events: 0

Output argument "hardFrames" (and maybe others) not assigned during call t

Error in prepPipelineReport (line 53)
[summary, hardFrames] = reportEvents(consoleFID, EEG);
```

Line noise removal step

Initial detrend for reference calculation

Spectrum after line noise and detrend

Report referencing step

Robust channel deviation (referenced)

Robust channel deviation (original)

Robust channel deviation (marking interpolated)

Robust deviation window statistics

Median max abs correlation (referenced)

Median max abs correlation (original)

Median max abs correlation (marking interpolated)

Mean max abs correlation (referenced)

Mean max abs correlation (original)

Mean max abs correlation (marking interpolated)

Bad min max correlation fraction (referenced)

Bad min max correlation fraction(original)

Bad min max correlation fraction (marking interpolated)

Correlation window statistics

Bad ransac fraction (referenced)

Bad ransac fraction (original)

Bad ransac fraction (marking interpolated)

Channels with poor ransac correlations

HF noise Z-score (referenced)

HF noise Z-score (original)

HF noise Z-score (marking interpolated)

HF noise window stats

Noisy average reference vs robust average reference

Noisy average reference - robust average reference by time

Noisy average reference vs robust average reference (filtered)

Noisy average reference - robust average reference by time

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