**Abstract**

**Introduction**

What is EEG and ERP

Multidimensionality problem of EEG

Need for a new ERP analysis tool with a good UI

**Background (Literature review?)**

Types of EEG plot visualisation

Visualisation literacy. General problems with the lack of error bar on plots and with the rigged colorbars. Reproducibility crisis

**Methods**

Survey description

Sample information (education, country, methods, study area, year of experience, self-assessed level, code contribution) – Maybe even a table with stacked barplots for binary information

**Results**

Tools

The most popular tools

Preferences in tool features

Visualization habits

Plot naming (the most popular ones, our own recommendations)

Channel usage

Positive up

Baseline

Visualisation literacy

Color bars

Error bars

Common problems during visualisation

**Discussion**

Recommendation on how to name plots, for baseline correction

Summary of what users need in ERP plots

**Limitations**

Sample bias