**Phase Progress**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **RUN 1** | **Block\_1**  **Female** | Block\_6  Outdoor | Block\_7  Indoor | Block\_5  Outdoor | Block\_4  Male | Block\_2  Female | Block\_8  Indoor | Block\_3  Male |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A black and white sign with text  Description automatically generated180 Seconds** | **A black screen with white text  Description automatically generated5 Seconds** | **A grey rectangular object  Description automatically generated7 Seconds** | **1 Second** | | **…** | **1 Second** | | | ***A black and white sign with text  Description automatically generated***  **10 Seconds** | |
| **For the signal to be settled** | **Instruction** | **Grey Image** |  | **Activity Image** | | | **...** | **Activity Image** | | **The rest between two blocks** |

**Baseline (Bs)**

**Activity (As)**

**Block’s EEG Data**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Offline Analysis** | | | | | | | | | | |
| **Bandpass Filtering** | **Artifact Rejection** | **Denoising** | **Epoching** | **Spike/Epoch Rejection** | **Baseline Rejection**  **As-Mean (Bs)** | **ERP** | | **Wavelet Transform Analysis** | **Hilbert Envelop Analysis** | **Classifier Development** |
| **Signal Pre-processing** | | | | | | | **Signal Processing** | | | |