**EEG Database** **Collection**

**This model can be used during the first block run of the Neurofeedback phase.**

**Signal Processing**

**Classifier**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Instruction**  (1000ms) | **Composite Image**  (1000ms) | | **Composite Image**  (1000ms) | | **…** | **Composite Image**  (1000ms) |
| **Indoor** | | A person looking at a wine glass  Description automatically generated | | A person with a fence in the background  Description automatically generated | **…** | A person with a mountain behind her  Description automatically generated |
| ***Indoor + Female*** | | ***Outdoor + Male*** | **…** | ***Outdoor + Female*** |
| **Expected Response** | | **Relevant** | | **Irrelevant** | **…** | **Irrelevant** |

A close up of a face

Description automatically generated

A graph of different colored lines

Description automatically generated

**EEG Recording**

A person wearing a helmet and using a computer

Description automatically generated

**Human Behavior**

**Does the shown composite image contain the task-relevant image?**

**…**

**No**

**No**

**Yes**

**BCI Platform**

Score Generator

A yellow numbers on a blue background

Description automatically generated

**Press**

**Withhold**

**.**

**Withhold**

**.**

**Correct Answers**