

EEG measurement guideline RIT 2024

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Experiment Agenda (2 hours approx.)

- ① Introduction, Fill up a consent form (5 min)
- ② Explanation & Practice (5 min)
(This is the best time to go to the restroom)
- ③ EEG explanation & set up (40 min)
- ④ System check (5 min)
- ⑤ Experiment (50 min)
- ⑥ Fill up the gift-given form

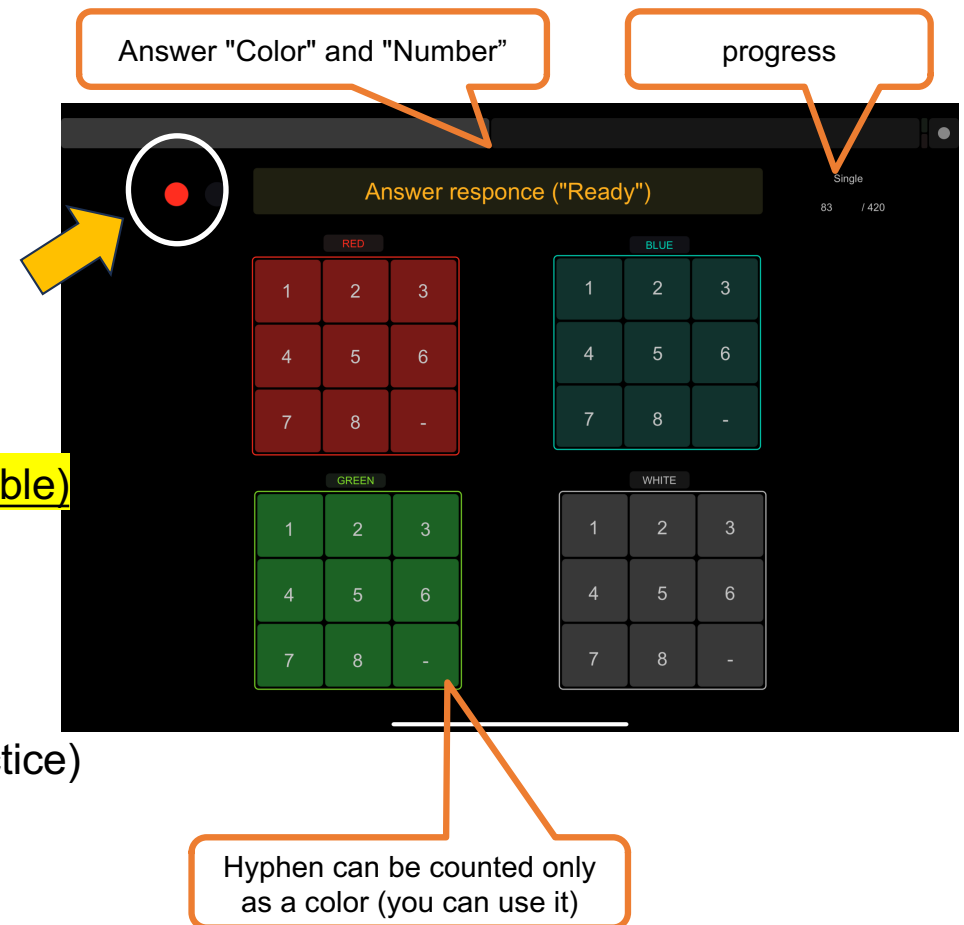
Experiment Agenda **FOR EXPERIMENTER**

- ① Introduction, Fill up a consent form (5 min)
 - Experiment flow, Q & A
- ② Explanation & Practice (5 min)
(This is the best time to go to the restroom)
 - Q & A
- ③ EEG explanation & set up (40 min)
 - Measure head posture, hair mess, ear clip
- ④ System check (5 min)
 - trigger check, recording check (T=...)
- ⑤ Experiment (50 min)
 - memorize time, trigger check, recording monitor
- ⑥ Fill up the gift-given form
 - recording stop, gift given form

Experiment Task

Target: 'Ready + [color] + [number]' + Masker
guess the color and number of the target

- Answer after the red lamp turns on
→ Avoid unnecessary noises from mussels
- Avoid eye blinking while the sound is played (if possible)
- Your answer can not be modified
→ You have 10 seconds to answer the test
- Experiment duration
total 224 trials, break for every 20 trials (2 trials for practice)
- Fix your proportions and don't rotate your head
- Main experiment would be more difficult than the practice, but the target sound is always played



How to Measure Brain Wave

EEG (E**l**ectro**e**ncephalo**g**raphy)

→ measure brain activity that occurs during an event

Gear: 「DSI-24」

- No gels, band-formed EEG cap

※Cautions

- Your hair will be a bit messed
- A setting will be conducted with glove
- The gear is sanitized
- Ear clips ok?
- Report if you feel pain or the gear is tight
(There is a camera behind you)
- Check the effect of artifacts such as eye blinking

