

Senior Design Graphs

Saturday, March 26, 2022 9:34 PM

- What data do we have

• 6 Subjects

5 periods (Videos+rest) + Buzz modes

- anxiety levels
- BBB HR
- PO HR
- User opinion of BBB

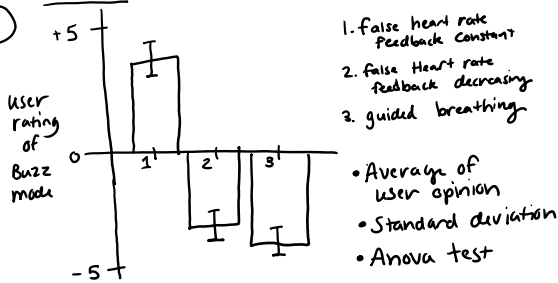
acronyms

BBB - Buzz Buzz Bracket
PO - pulse ox
HR - heart rate

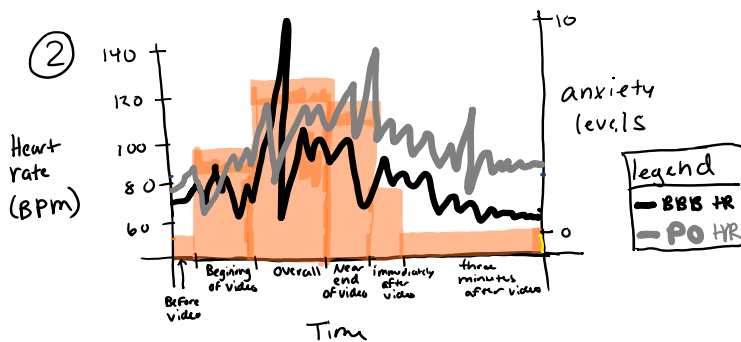
★ Do not include Subject 3!

- Graphs.

①



②

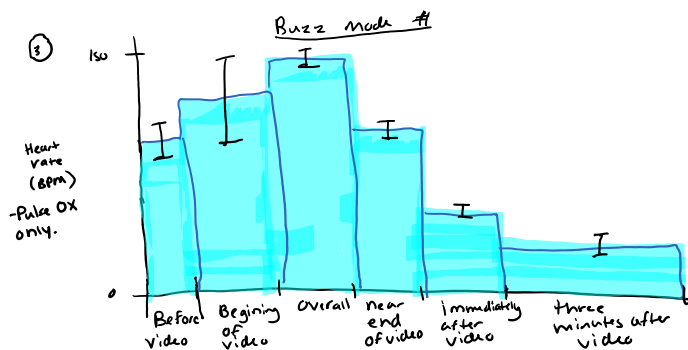


- 5 of these graphs for each Subject. (probably Not Subject 3)
- Buzz mode 0
- Buzz mode 1
- Buzz mode 2
- Buzz mode 3
- Rest period.
- 30 graphs.

Summary Statistic

- Percent difference between BBB & PO HR
 - Anova for BBB & PO
- } for Subject 1-6 & total.

③



- 4 versions
- Buzz mode 0-3

- each bar is the average HR of the Subjects for the given time period

- error bars are stdev - Percent difference

Summary Statistic

- heart rate decreased by an average of # % within # seconds after buzz mode was implemented

- 4 Versions (each video)

Buzz mode

- 0
- 1
- 2
- 3

Summary Statistic

- heart rate decreased by an average of # % within # seconds after buzz mode was implemented
- percent difference