

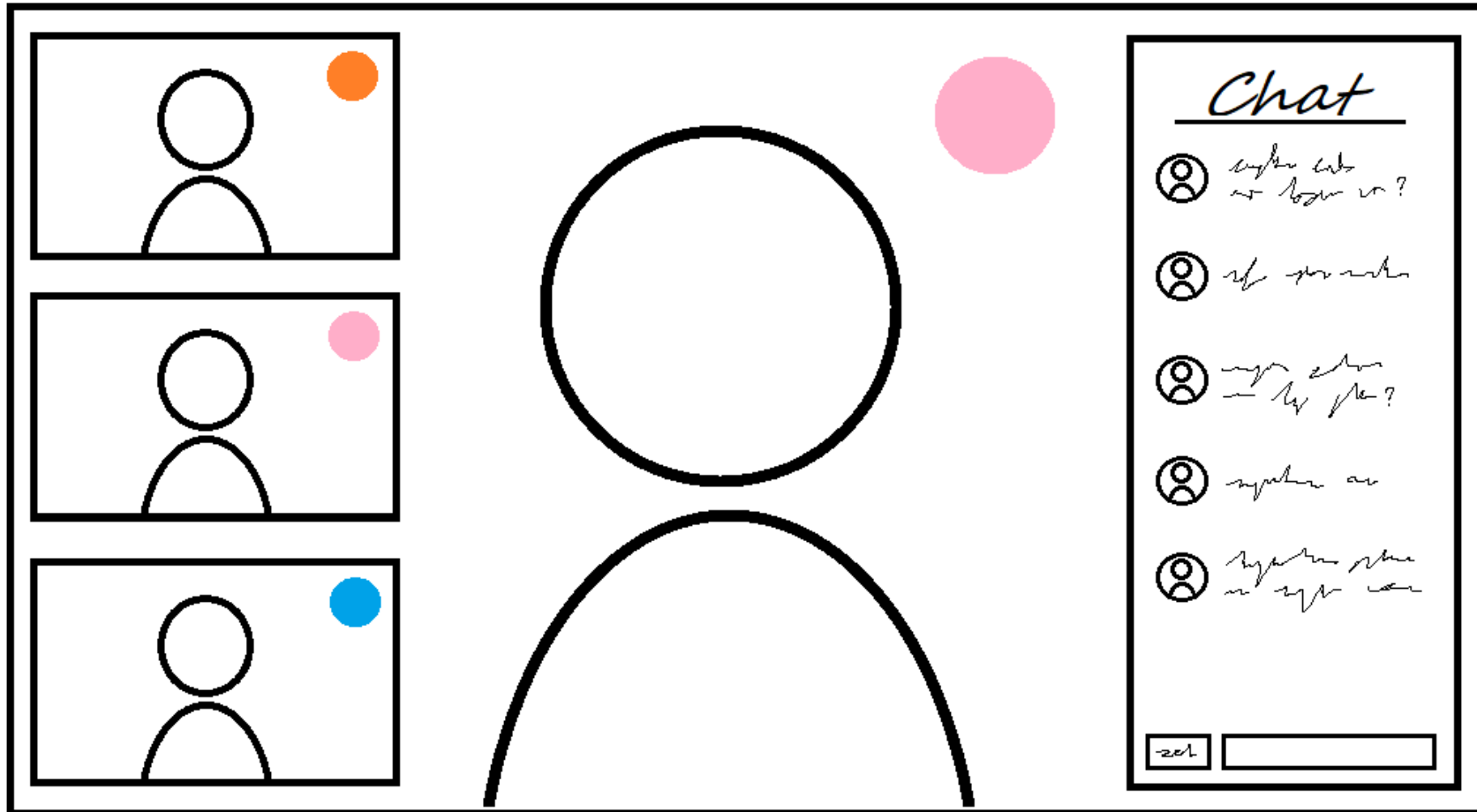


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ILLUMINATED FEEDBACK IN AN ONLINE CLASSROOM: WILL IT HELP OR HINDER?

NIKKI ZANDBERGEN

Illuminated Biofeedback





Research

How can illuminated biofeedback help or hinder in an online classroom setting of high school and university students?

- Literature research
- Online questionnaire
- Exploratory user study



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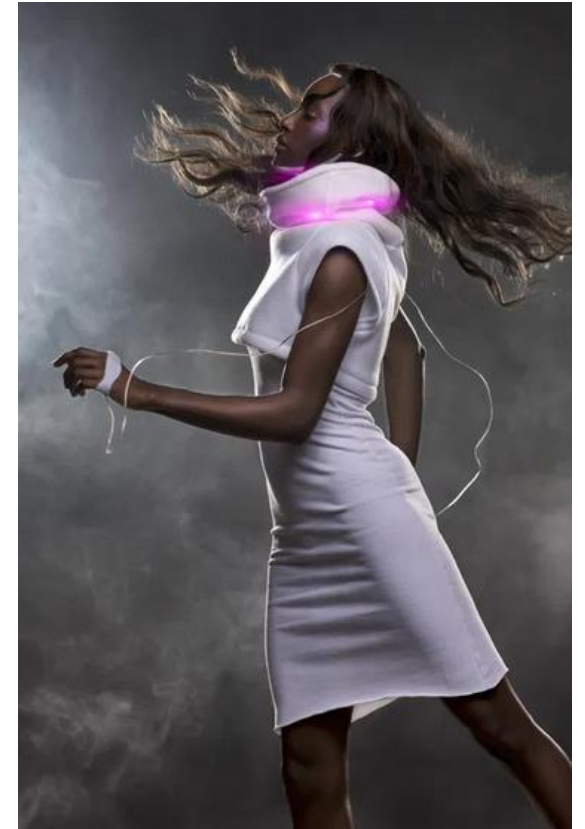
Literature Research

The technique has potential

- Illuminated Biofeedback
- Biofeedback on Students
- Biofeedback Online

+ 
HeartMath.

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Online Questionnaire

There is need for the technique

- Experiences of Homebound Schooling
- Opinions on Illuminated Feedback



Online Questionnaire

There is need for the technique

- Experiences of Homebound Schooling
- Opinions on Illuminated Feedback



Online Questionnaire

There is need for the technique

- Experiences of Homebound Schooling
- Opinions on Illuminated Feedback



Exploratory User Study

Increased feeling of coherence

- eMonster Workshop
 - True, Group, No
- Exploratory User Study
 - Data
 - Experiences



calm



excited



Exploratory User Study

Increased feeling of coherence

- eMonster Workshop
 - True, Group, No
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calm



excited

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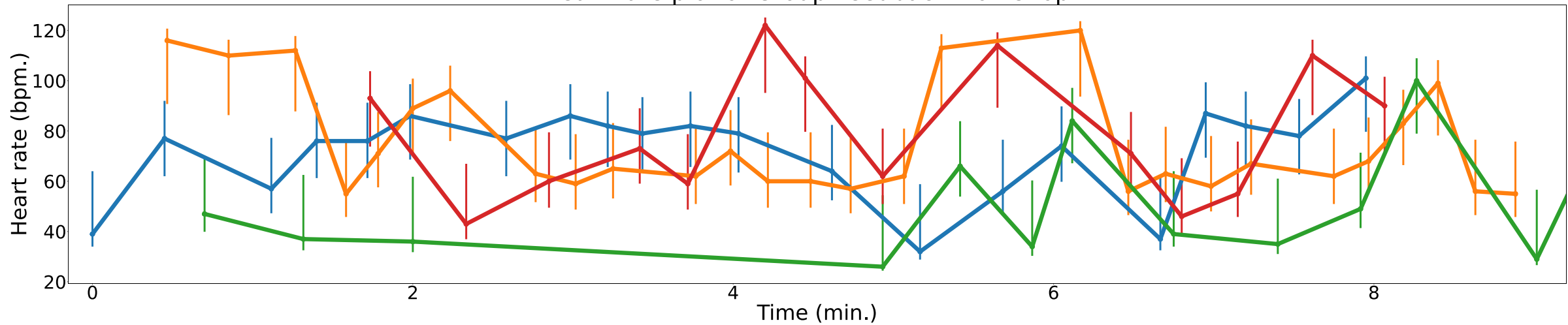
calm



excited

Exploratory User Study

Heart rate plot of Group Feedback workshop 1



- Participant 1
- Participant 2
- Participant 3
- Participant 4



Exploratory User Study

Increased feeling of coherence

- eMonster Workshop
 - True, Group, No
- Exploratory User Study
 - Data
 - Experiences



calm

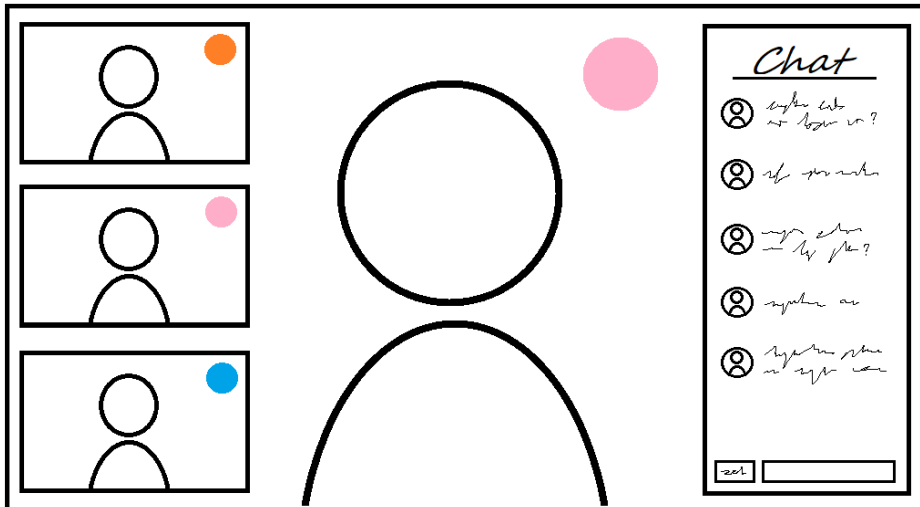


excited



Opportunities

Potential to help students!

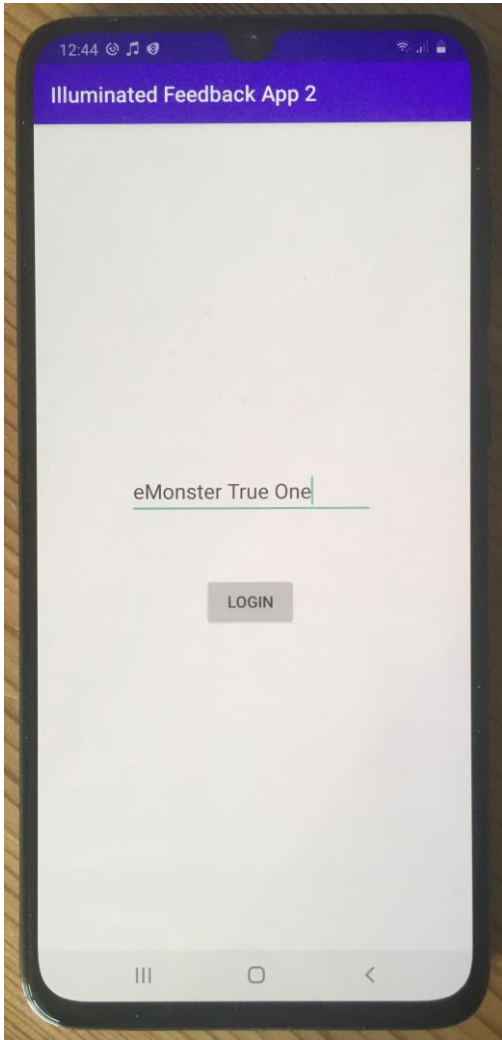


Appendix: Illuminated Feedback App

calm

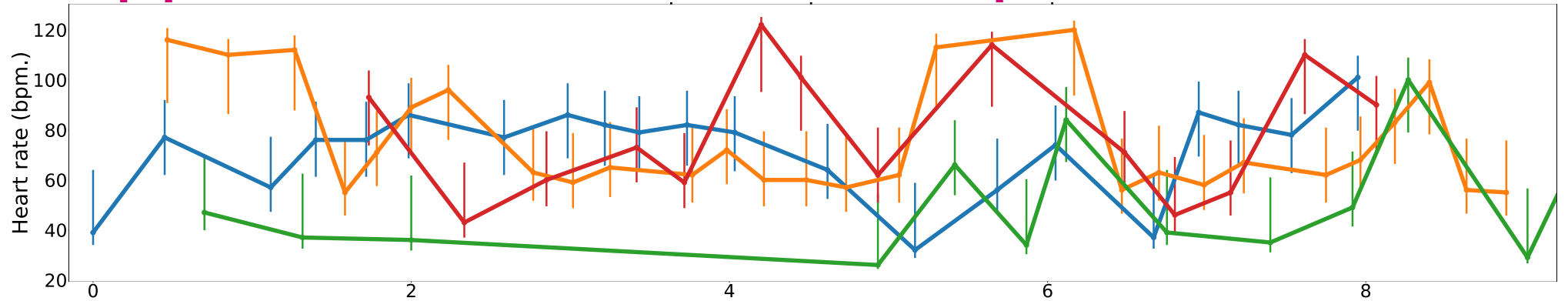


excited

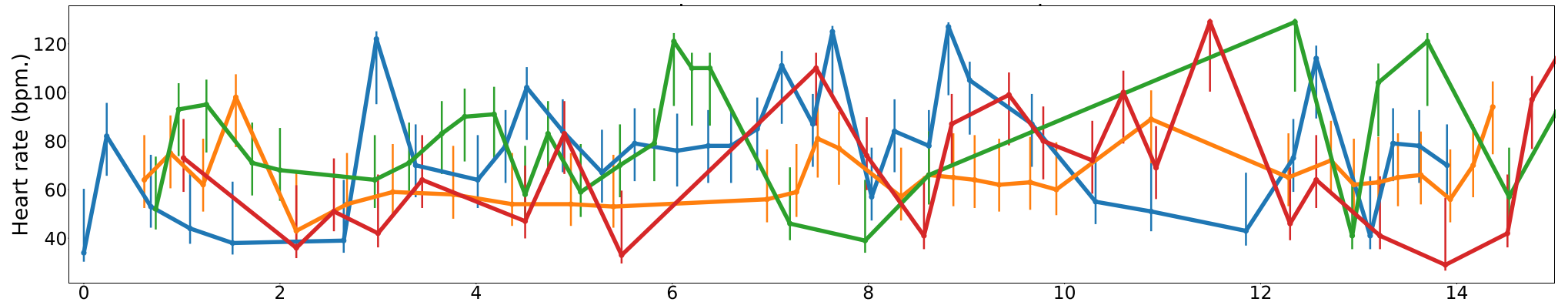


Appendix: Heart Rate Graphs 1

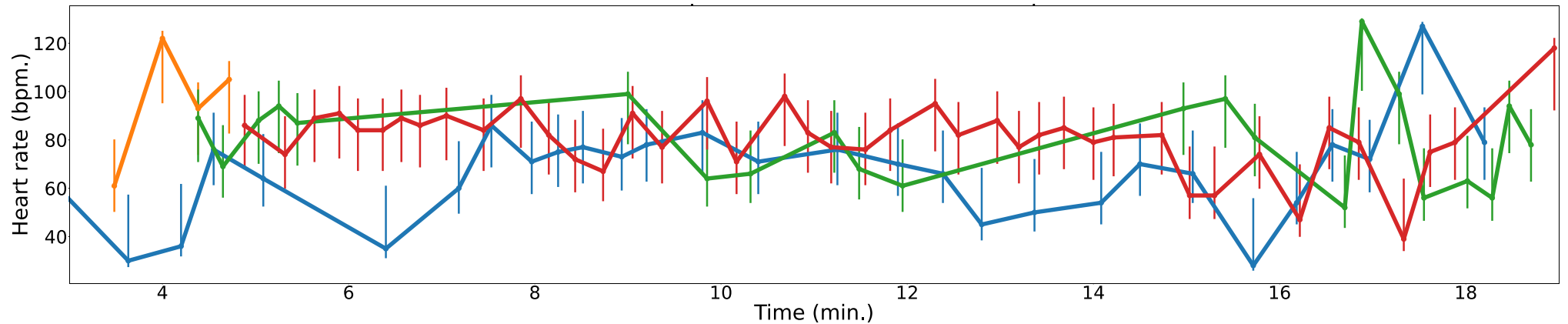
Group
Feedback



True
Feedback

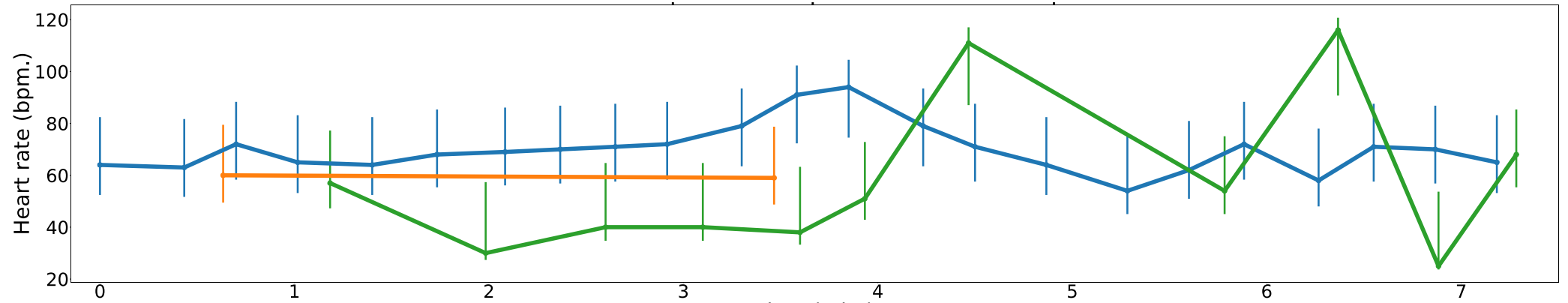


No
Feedback

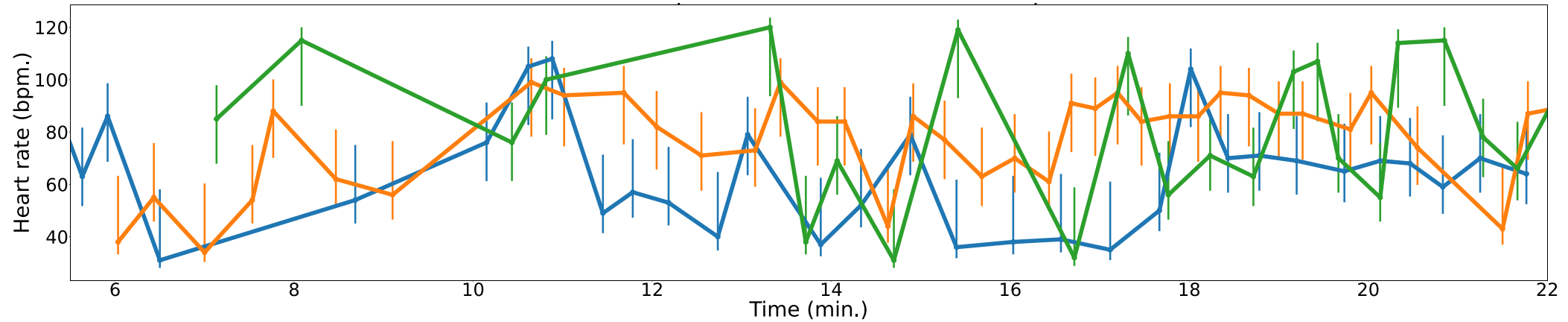


Appendix: Heart Rate Graphs 2

Group
Feedback



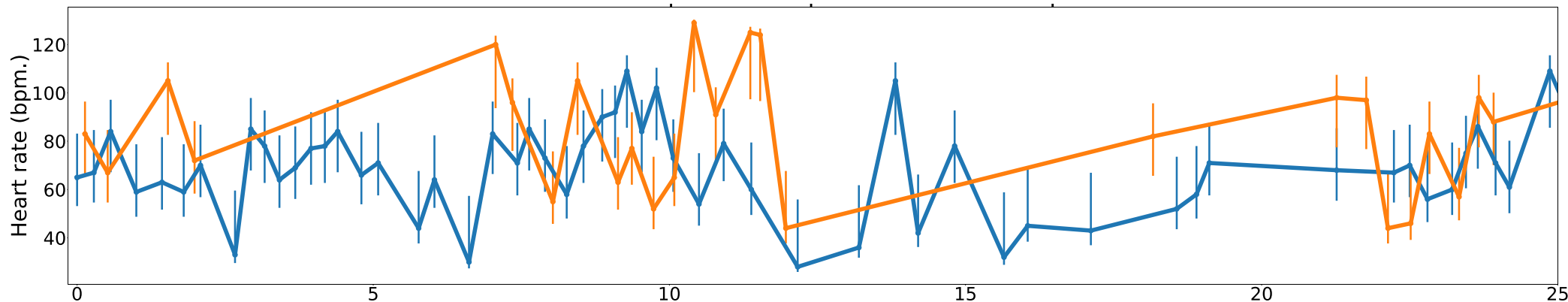
True
Feedback



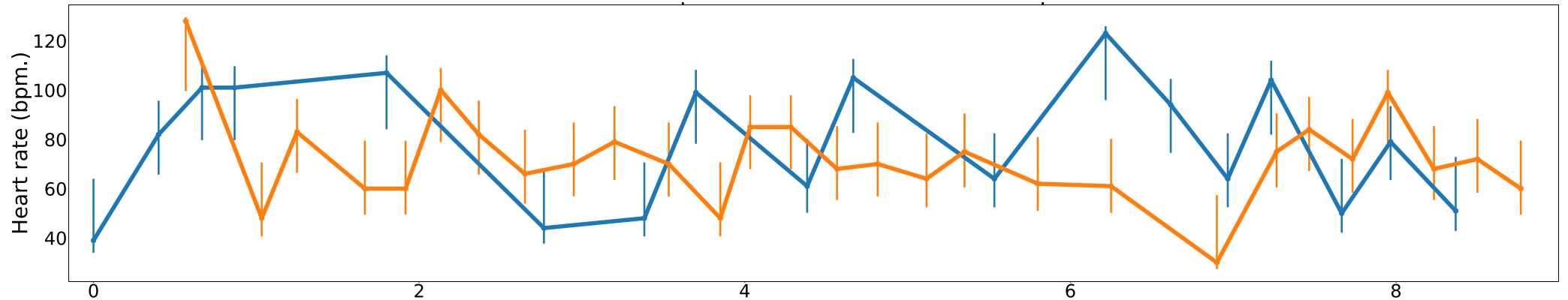
No
Feedback

Appendix: Heart Rate Graphs 3

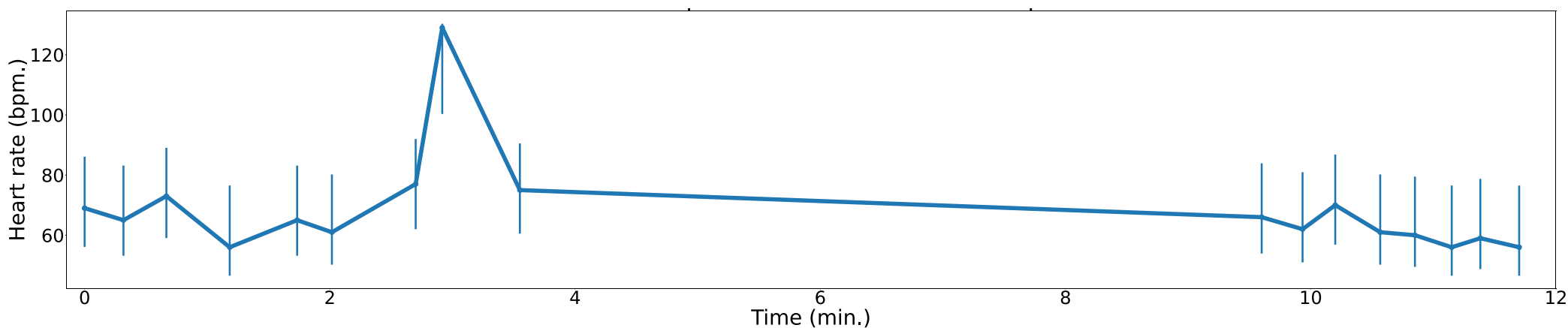
Group
Feedback



True
Feedback



No
Feedback

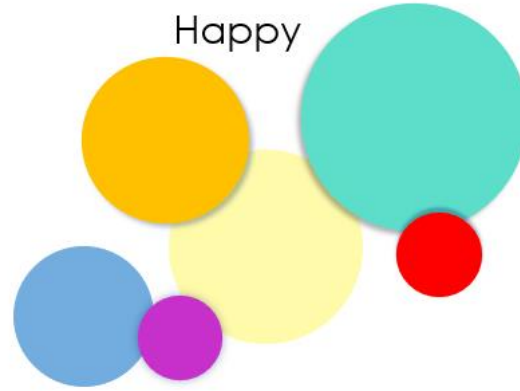


Appendix: Mood Circles

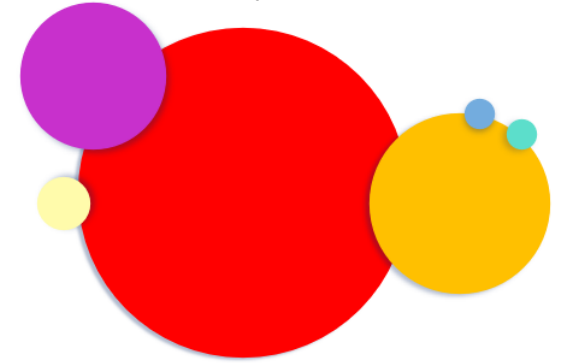
Calm



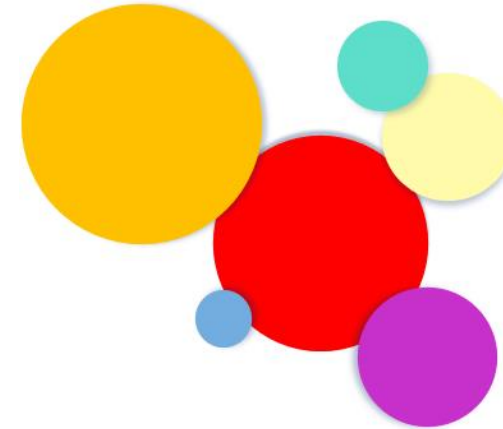
Happy



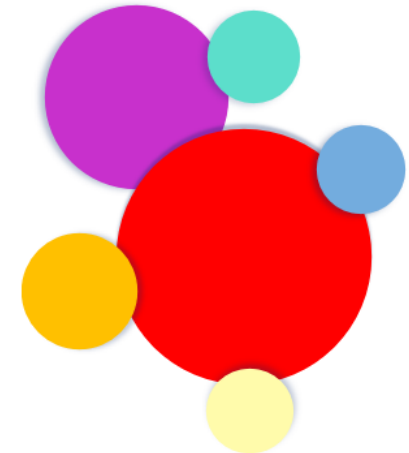
Annoyed



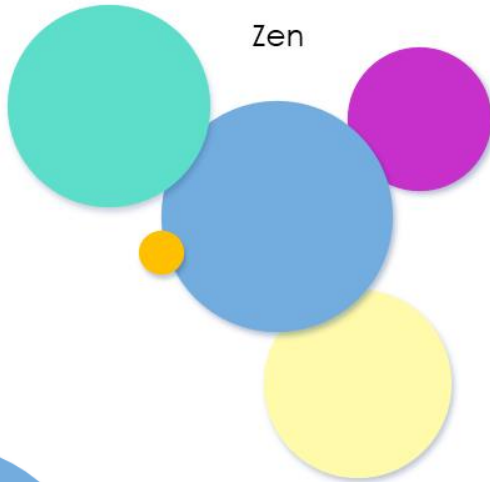
Nervous



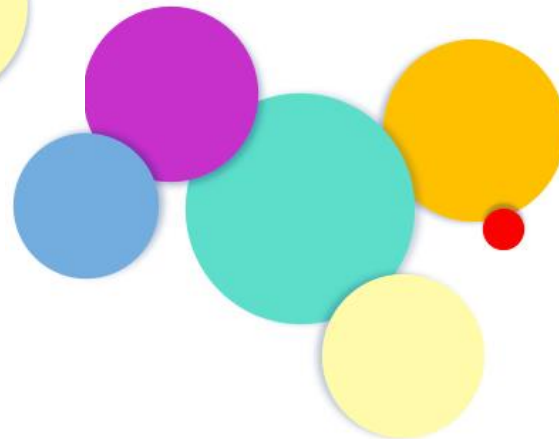
Passionate



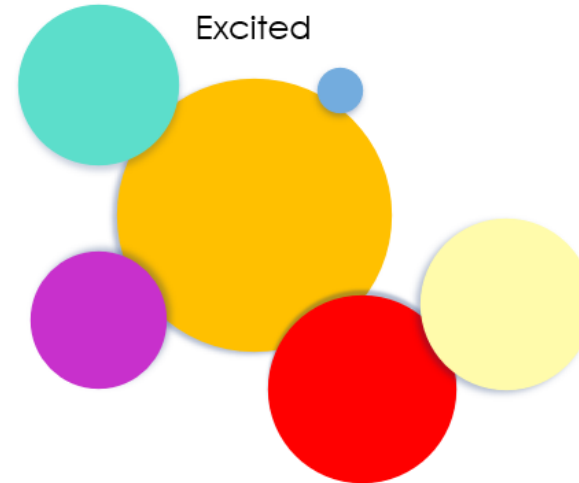
Zen



Interested



Excited



Relaxed

