Investigation Into The Representation Of 4D Shapes

03/03/2022

Week 2 Progress Report

- Made some improvements to data analysis tool
- Wrote up analysis and requirements chapter
- Trying to tie in the paper to the research questions for a cohesive paper
- Written up some preliminary evaluation notes

Questions

- How is the dissertation looking?
  - Tying into research questions enough?
  - Are the research questions good?
- Weird data - should I comment on it?
  - 4D-3D abstraction - shape match
    - Use w slider a lot more than anything else (should be similar to control)
    - Manipulate object pose a lot less than anything else (should be a lot more)
  - W-axis timeline - shape match
    - Most unanswered questions - could be lag
    - but think it is one participant who had timeline on first go and was very slow at answering
  - Pose match - ease to accuracy correlation is inverted to expected values

Plan Ahead

Week 1 & Week 2
- Finish implementing test system
    - graphs between representations
    - fix rotor rotation
    - add time limit

Week 3
- Begin developing data analysis tools, most likely with a jupyter notebook
- run some preliminary tests to decide if there is any data or visualisations I want to cut

Week 4 & Week 5 & Week 6
- Run experiments
- Begin dissertation
- Begin presentation
- Further develop data analysis tools

Week 7
- Evaluation of experiments

Week 8 & Week 9 & Week 10
- Write up draft dissertation

Am I on schedule

- Think so, need to keep working on dissertation