HAAG Weekly Report Week 8

Mercedes Quintana

Time-Log

What did you do this week?

- o Learned about sending information to the front and backend in a web app
- o Updated website
- o Created a demo app to learn how to connect plotly

What are you going to do next week

- o Keep website updated
- o Integrate annotator into web application

Blockers, things you want to flag, problems, etc.

- o None

Abstracts:

Ecology Meets Computer Science: Designing Tools to Reconcile People, Data, and Practices

Ecoacoustics draws together computer scientists and ecologists to achieve an understanding of ecosystems and wildlife using acoustic recordings of the environment. Computer scientists are challenged to manage increasingly large datasets while developing analytic and visualisation tools. Ecologists struggle to find and use tools that answer highly heterogeneous research questions. These two fields are naturally drawn together at the tool interface, however, less attention has been paid to how their practices influence tool design and use. We interviewed and collected email correspondence from four computer scientists and eight ecologists to learn how their practices indicate opportunities for reconciling difference through design. We found that different temporal rhythms, relationships to data, and data-driven questions demand tool configuration, data integration, and standardisation. This research outlines interfacing opportunities for new ecological research utilising large acoustic datasets, and also contributes to evolving HCI approaches in areas making use of big data and human-in-the-loop processes.

Summary: This group interviewed 4 computer scientists and 8 ecologists about working with datasets and creating tools for the ecologists to use. They found that different relationships with data and asynchronous work hours could add complexity to relationships between the two groups.

What did you do and prove it

I needed to become more familiar with our web app to add the annotator. I didn't understand how the images were being sent from the front end to the backend and how to change the rendering to be from a pdf to an interactive graph. To figure this out, I made a test app. I was to figure out to transfer between front and backend. The app looks rudimentary, but allowed me to understand how the code was built.

Information From Backend

file