Bi-weekly Report (12th February 2016)

Project (Neuro)	Interface for a Social Data Repository for the Internet Neurocinematics Database (INcDb)
Team 35	Cheung Johnson (Leader) Karunaratne Rajind Ong Yong Lin

1. Overview of Work Progress

We have so far been investing the open source tools provided by Neurosynth in order to work with our specifications. Two tools in particular are the Neurosynth Decoder and Viewer. Currently the decoder has been integrated with our local server to automatically create datasets and meta-information upon creation of the database. We have also added functionality to decode brain imaging data in a specified folder upon command, which produces results for each data within the folder and stored within a directory automatically. The viewer has also been implemented within our HTML mockup, and we are currently looking into obtaining file directories and component information from the backend to help dynamically create web pages for a specific component.

2. Summary of Meetings

Meeting 2nd Feb	Cheung Karunaratne Ong	1. Ong presented his implementation of decoding functionality embedded upon running of the local server. 2. Investigated decoding analysis upon brain imaging data using a specific number of terms. We concluded that using the complete set of terms for analysis would take a long period of time and investigated which terms were relevant for testing. 3. Investigated upon bugs and errors upon initial creation of the database.
Meeting 9th Feb	Cheung Karunaratne Ong	4. Presented rough implementation of the Neurosynth Viewer upon the HTML code and what steps needed to be taken onwards. 5. Cheung presented working implementation of listing terms of components within the local server. 6. Discussed what needs to be added upon the Project Plan

3. Completed Tasks

No.	Task	Owner	Status
1	Added decoding functionality for use on the local server	Ong	Done

2	Automate creation of datasets and meta-information for brain imaging data upon creation of database	Ong	Done
3	Decoding process produces results which showcase the correlation for each term for specific brain imaging data	Cheung	Done
4	Local server presents terms stored within the database and listing components with high correlation for each particular term	Cheung	Done
5	Embedded Neurosynth Viewer upon HTML mockup to present brain imaging data	Rajind	Done
6	Extracting file directory and component attributes to help create dynamic web pages	Rajind	Ongoing
7	Listing components and term lists from the database in the HTML mockup	Ong / Cheung	Ongoing

4. Problems

There was a slight issue setting up the new implementation of the local server within Rajind's computer, but this was soon resolved with assistance from the rest of the team.

5. Individual Contribution

Johnson Cheung
I was responsible for making the initial views and templates in Python Flask for a set of pages (showing all terms in the database, presenting the list of components related to the term, and presenting the component details). After we completed the basic views and templates, I also incorporated the GUI from our initial mockup from term 1 into this final PoC.

Yong Lin Ong
I worked on the implementation of the database structure and decoding functionality. I also refractor the source code into a Model-View-Controller pattern and coded the Movies index page and individual Movie page. I am close to completing the search functionality that include Ajax autocomplete suggestion on the home page.

Rajind Karunaratne
I initially ran into a couple of issues after Ong had pushed his new implementation of the local server which now included decoding functionality. It took a couple of days after tweaking several Python frameworks with the assistance of Ong for it to work on my computer, which slightly delayed the task on extracting attributes from the decoding process. During the meantime however, I was able to study and implement the Neurosynth Viewer within the HTML mockup and now currently investigated how dynamic web pages can be created for the Viewer.