**Meeting Attendees**:

Xia Jiang, Yijun Zhou

**Meeting Time**

2023.1.6 9:00 am to 10:30 am

**Meeting Agenda**

1. Tested odpac and iMed.
2. Discussed plan of upgrade odpac: learn epistasis and interaction should be just one. Learning “direct parent” should be removed. The current learn prediction models and test prediction together is similar to the “training model” of iMedbot, but with different machine learning methods. So we current have two styles for the similar functions. In the future, we can consider combine them.
3. Discussed integrating iMed. Currently each package has its own system of dataset upload, user registration, database … eventually we need just integrate them into one system.
4. Work assignment.

**Progress made in the past week.**

**Issues/Questions**

**Comments**

**Design of the new iMed home page**

**Ongoing tasks that covers more than a week**

1. Developing the new data analysis web application beyond the current “DataCharts” app. Using the same hyperparameter plans we did for the 5-year and 10-year experiments as shown in

/Users/xij6/Documents/Research/git/ProjectW81X-Github/keras/docs/meeting\_notes/meetingnote2022.5.27-Stage3-5\_5Year.docx

The program path:

/Users/xij6/Documents/Research/git/ProjectW81X-Github/keras/DNM-RF/stage3-5/dnn\_keras\_15Year.py

1. Reorganizing revising, testing, adding, documenting small functions.
2. Develop the “results analyses” part of the “datacharts” web application, based on 1), you can do 1) and 2) simultaneously.
3. Develop all the web application functions based on /Users/xij6/Documents/Research/git/ProjectW81X-Github/keras/utils/DesignOfDataAnalysisWebApp.docx
4. Redesigned the user interface based on 3): For each type of analysis such as preprocessing, models, and data analyses, create a separate dropdown.
5. Running and analyzing experiments have always been an ongoing task.
6. Developing iMed which combines all current lab web apps.

**Specific tasks before the next meeting**

1. Make the “treatment” work (including both system recommendation and user interactions”
2. Make the “MBS” work, and so we can use it as a placeholder for adding more similar packages later.
3. Make the “Learn Prediction Models” and “Test prediction” work.

**Specific tasks from last meeting**

**Less urgent tasks**