PatientLevelPrediction

ORKs 2024

PLP Workgroup Details

Who are we?

We are a group of researchers interested in best practices for developing and implementing healthcare prediction models using observational data.

When do we meet?

Workgroup call is on the 2nd Wednesday of each month (next meeting is March 13th).

How to get involved?

Join the group and start posting on Teams plus join a workgroup call.

https://ohdsi.org/ > Workgroups > Join Our Workgroups > tick 'PLP: Patient-Level Prediction'

Objective 1: Perform a deep learning network study

Key results:

- To have results back from 5 different data partners.

- Article submitted to high impact journal.

- Poster/talk at an OHDSI symposium.

See the study:

Protocol: https://github.com/ohdsi-studies/DeepLearningComparison/blob/master/StudyProtocol.pdf

Code: https://github.com/ohdsi-studies/DeepLearningComparison

Objective 2: Improve software accessibility and simplicity

Key results:

- Get PLP into CRAN.

- Finish and publish PLP cheat sheet.

- Provide thorough documentation on going from "I can program R" to "I have put together a network study package".

- 1+ new members run a PLP network study.

- Provide thorough documentation and example converting an externally developed, non-OMOP model into PLP/OMOP format.

Objective 3: Prospective clinical evaluation of model effectiveness/impact at 1+ site

Key results:

- Have 1+ model implemented in a pilot in 2024.

- Presentation on learnings/challenges of the pilot implementation.

Objective 4: Better publicize Delphi

Key results:

- Submit Delphi paper.
- Discuss on Tuesday weekly meetings.
- Add models form 10+ researchers in the database.