OHDSI Tutorial: Design and implementation of a patient-level prediction studies for precision medicine and disease intercept

Faculty:

Peter Rijnbeek (Erasmus MC)

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Jaehyeong Cho (Ajou University)

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| **Time** |  |  |
| 8:30am-9:00am | Welcome, get settled, get laptops ready |  |
| 9:00am-10:15am | Presentation: What is Patient-Level Prediction and TRIPOD statement? | Peter Rijnbeek |
| 10:15am-10:30am | Coffee break |  |
| 10:30am-11:45am | Presentation: Learning the OHDSI Patient-Level Prediction Framework  Walkthrough of implementing a cohort study using ATLAS, and running the study package in R | Youjin Park |
| 11:45am-12:00am | Bring your own research questions and make teams |  |
| 12:00pm-1:00pm | Lunch |  |
| 1:00pm-1:45pm | Predicting the hypoglycemia among sulfonylurea new users | Jaehyeong Cho |
| 1:45pm-2:00pm | Coffee break |  |
| 2:00pm-2:30pm | Discuss prediction problem | Chung soo kim |
| 2:30pm-4:30pm | Exercise: Collaborate on the design of a study |  |
| 4:30pm-5:00pm | Presentation and review the results |  |

The OHDSI tutorial computing environments are provided by Amazon Web Services:

ATLAS:

R-Studio: