# Minutes of the Population-Level Estimation Workgroup

February 22nd, 2017

Present: Yuriy Khoma, Martijn Schuemie, Nicole Pratt, Rae Woong Park, Dukyong Yoon, Chan YouSeng, Ajou students

Martijn presented on potential research topics for the coming year, and invited others to comment and contribute.

Chan required on topic 6 (informed priors): what would be the benefit? Martijn: At least two benefits: (1) require less data to fit an accurate model, and (2) models become more interpretable. Chan notes that risk factors can differ by populations, so priors might not be accurate for a particular population.

Chan: noted on topic 5 (effect modification): There is some literature on this under the label ‘Heterogeneous treatment effect estimation’. Some of this uses random forest. Will send references to Martijn.

Rae: All of these topics are very complicated, and might not be in our (Ajou’s) reach. What can we do? Martijn: you can join one of these topics; you don’t have to take the lead. You can also propose your own.

Nicole: All of these topics are interesting, but would require significant investments of time. Have you thought about sources of funding? Martijn: that would be one of the first things to discuss in each of the subgroups that will tackle these topics.

Nicole: simulated or real data? Martijn: preferrably real data. The ways to evaluate will probably differ per topic, but I imagine at least one of the partners will have real data that can be used for the research.

Nicole: Sign me up for topics 1 and 5. She mentions she has previously done research on pio and HF, looking at difference in effect in asians vs caucasions?