Method for Discovering Cohort-based Trajectories from OMOP CDM

We propose improving the methodology for the automatic hypotheses free trajectory discovery framework published by Künnapuu et al. [1]. Mainly, we are resolving one of the key limitations addressed by their work, namely the problem of generalizability of the events. The limitation of this method is that it works on the predefined cohorts which needs manual work. The results are not validated on an independent dataset yet.

Results: Relative Risk calculation between all cohort pairs

Method: Does prior Cohort 1 increase the risk of the observing Cohort 2?

This work was supported by the Estonian Research Council (grant numbers PRG1844 and RITA1/02-96)