

Supplemental Information

Validation of routing

Open trip planner (OTP) allows the router to be parametrized to meet the needs at hand. To validate the chosen parametrization, we compare the re-routed results with the actual travel times and distances recorded by the participants. Figure 1 shows the probability density of absolute errors. For all modes and both distance and time, the deviations are centered around zero, meaning there is a roughly equal amount of over- and underestimated trips. Overall, the induced error, therefore, is neutralized, and the estimated distances and times are valid.

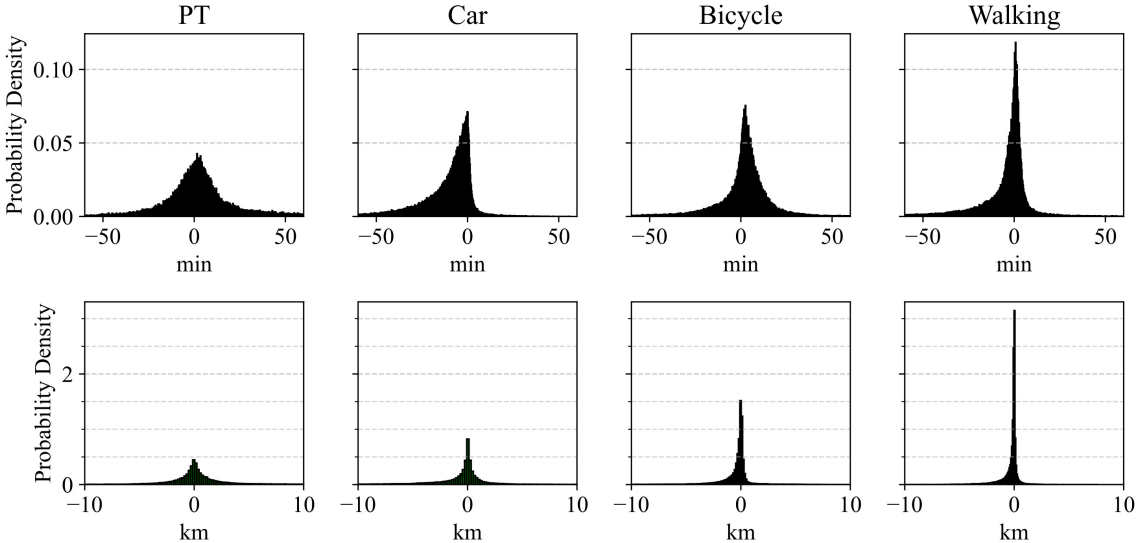


Fig. 1. Analysis of deviations of distance and duration between recorded trips and routed trips for different modes.