Relevant path planning using public transport is limited by reliability of the transportation network. In some cases it turns out that we can plan paths with respect to expected delays and hereby improve the reliability of the resulting path.

This study focuses on prediction of the delays in public transport systems using data from vehicle tracking systems -- known as the AVL data. These data are typically collected by the transit operators. Various algorithms are compared using real data from Prague trams tracking system. The study also includes a discussion about a possible utilization of the information gained from the used methods in passenger information systems.