

Presenter Introduction

Md Shahadat Iqbal, Ph.D. Candidate

- **Research Interests:**

- Intelligent Transportation Systems
- Connected Vehicle
- Traveler Information System
- Traffic Simulation

- **Dissertation Title:**

Assessment of Traveler Information System Processes with the Consideration of Connected Vehicle Technologies

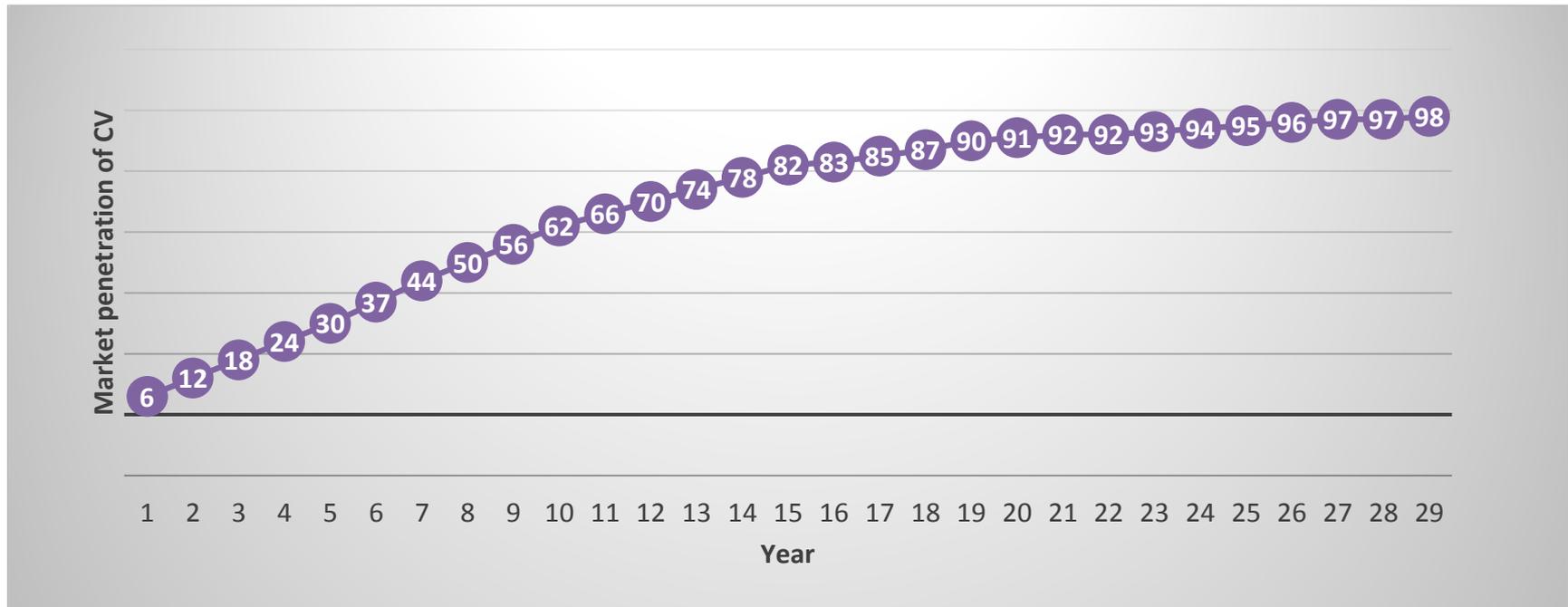
- **Selected Honors / Awards:**

- Anne S. Brewer Scholarship Award, ITS Florida, 2015
- STRIDE Best Poster Award, 2014



Problem Statement

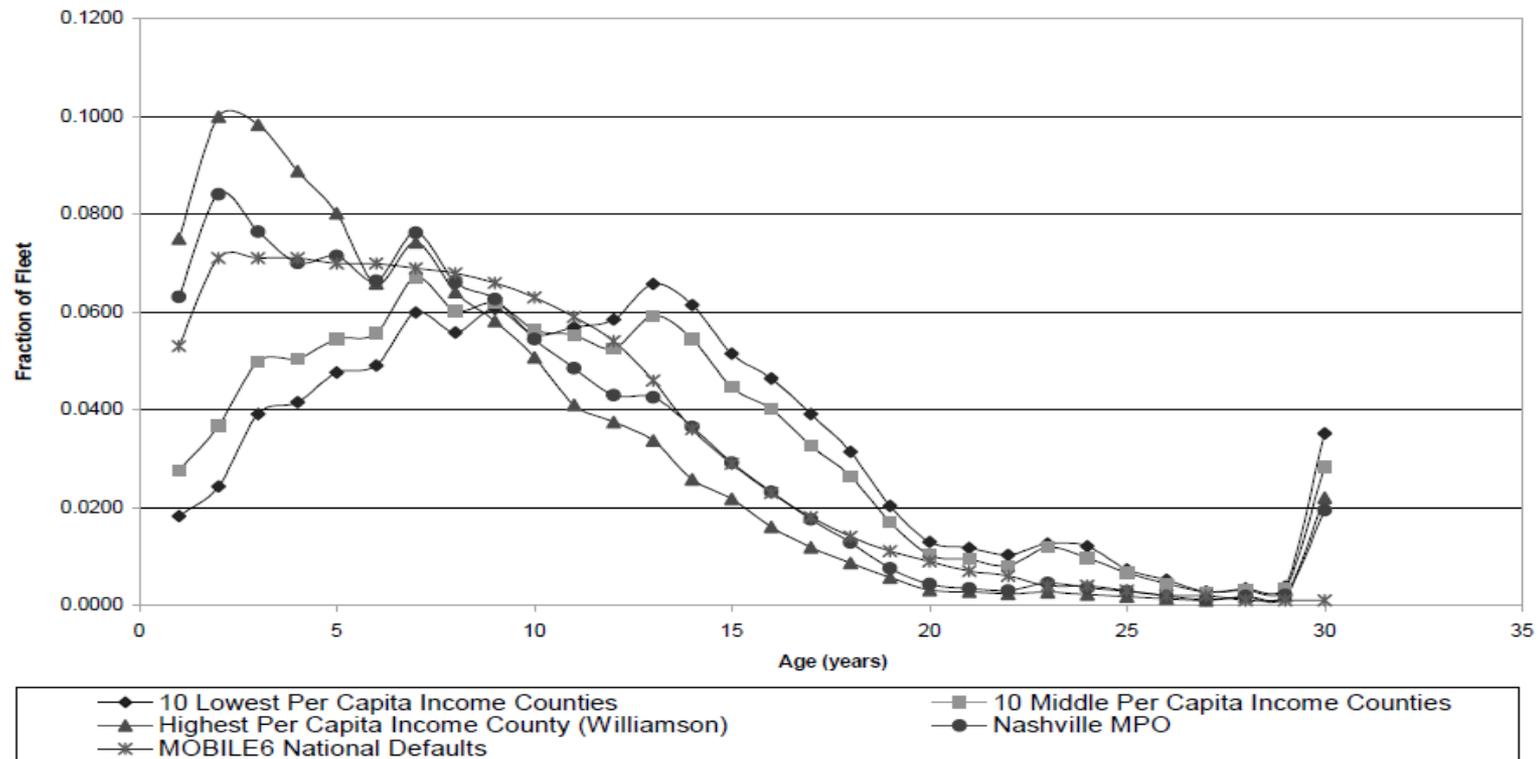
- Future market penetration of connected vehicle



Wright et al. (2014)

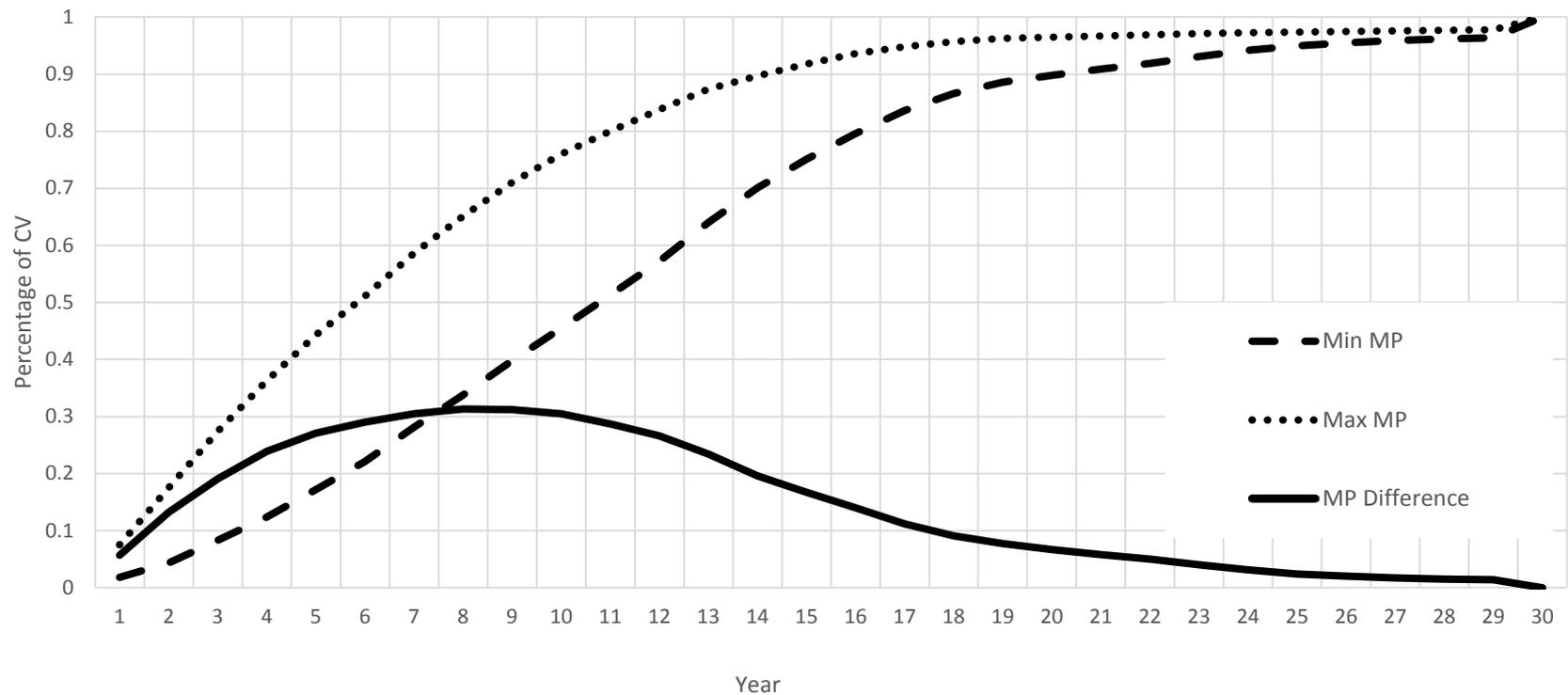
Problem Statement (Con't)

Vehicle age distribution (Miller et al., 2002)

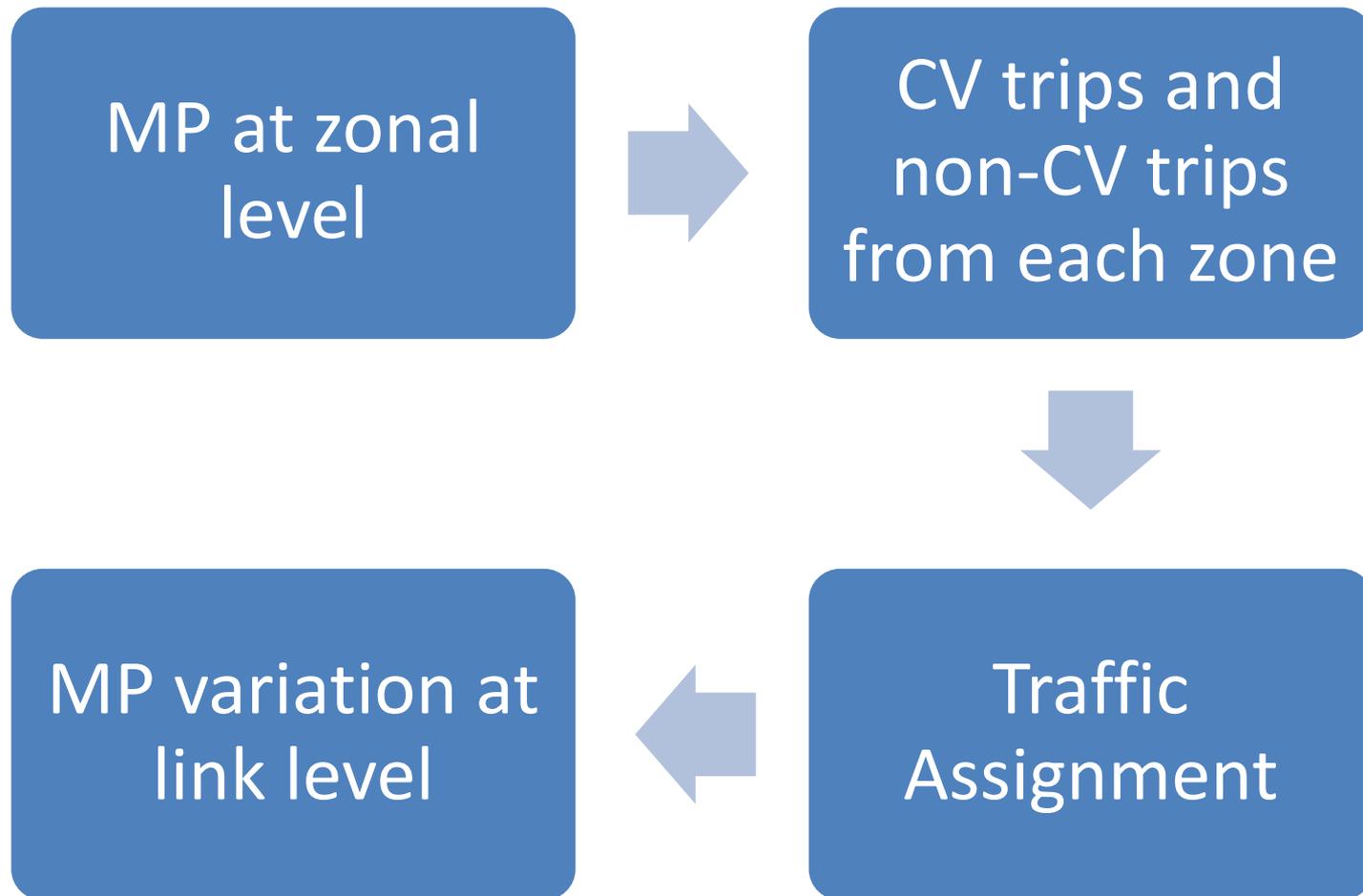


Methodology

- Determination of Zone Specific MP



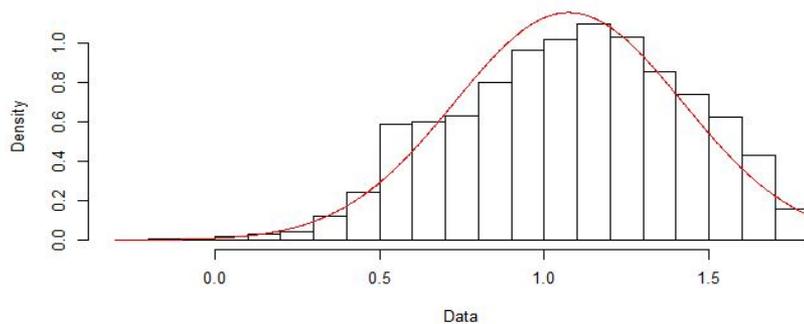
Methodology



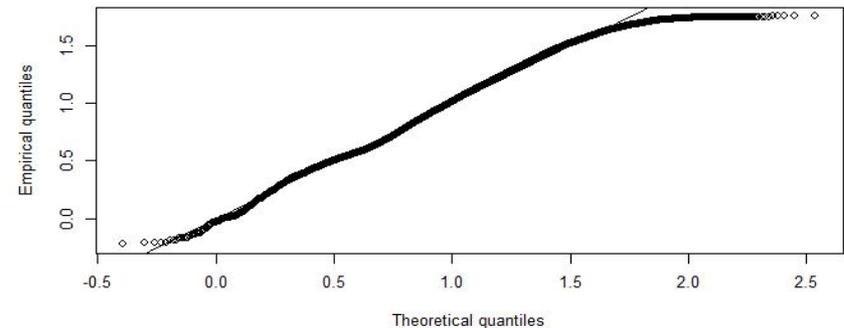
Result

- Links CV percentage is lognormally distributed

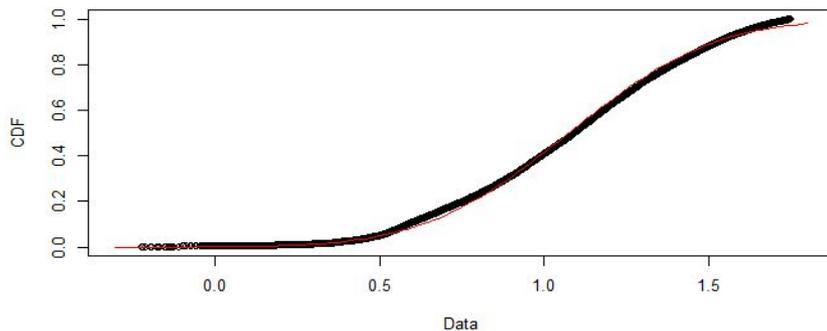
Empirical and theoretical dens.



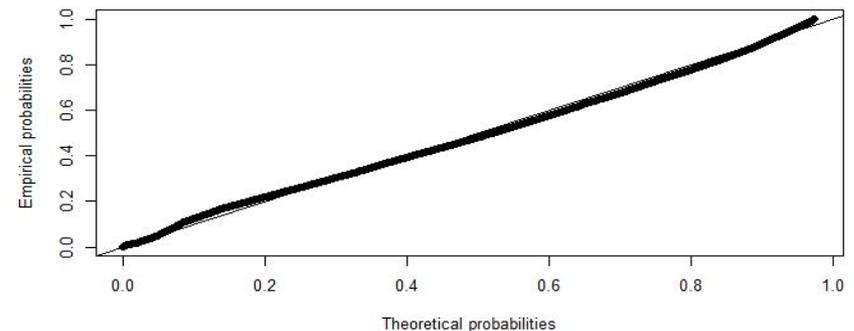
Q-Q plot



Empirical and theoretical CDFs

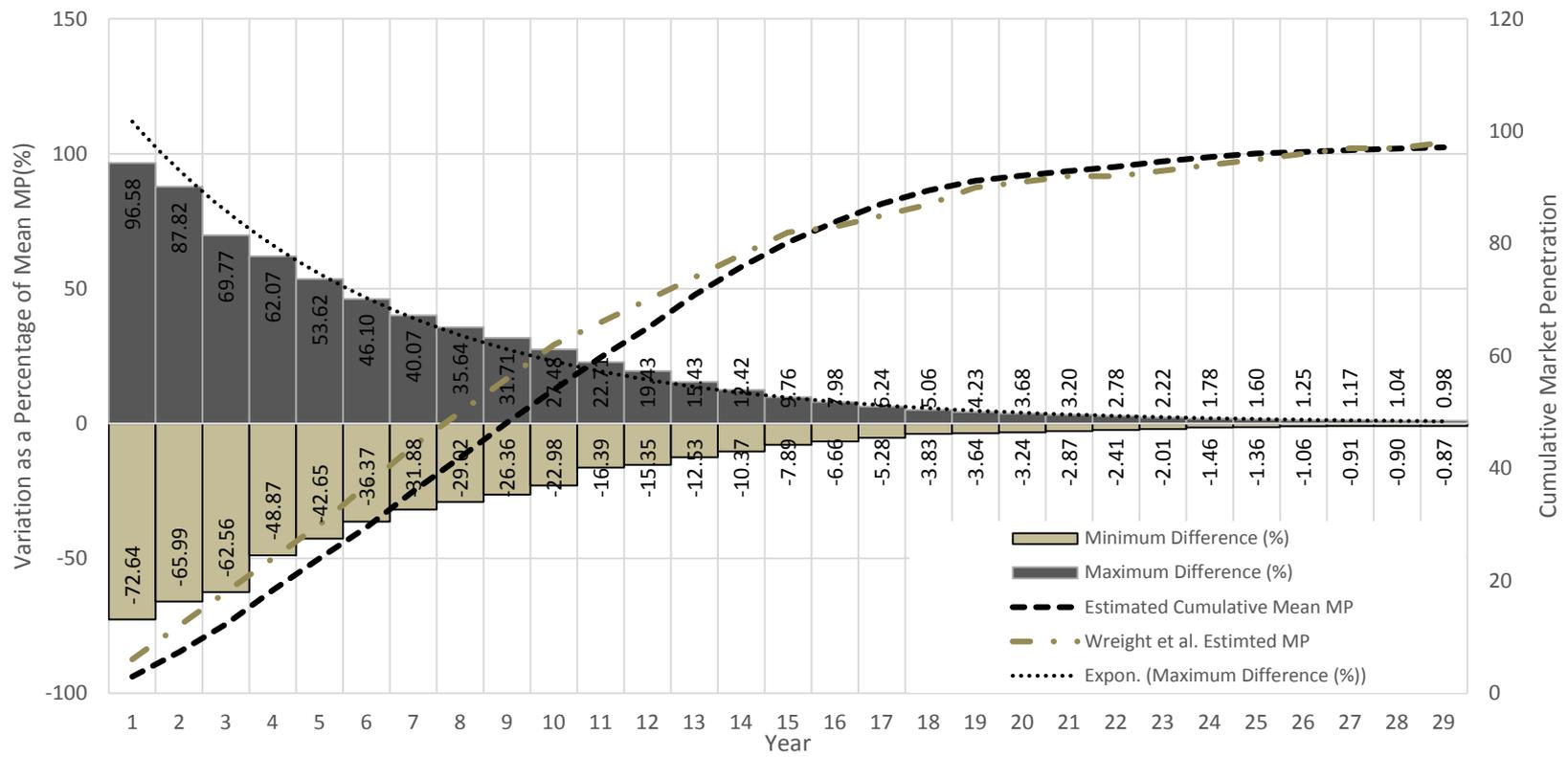


P-P plot

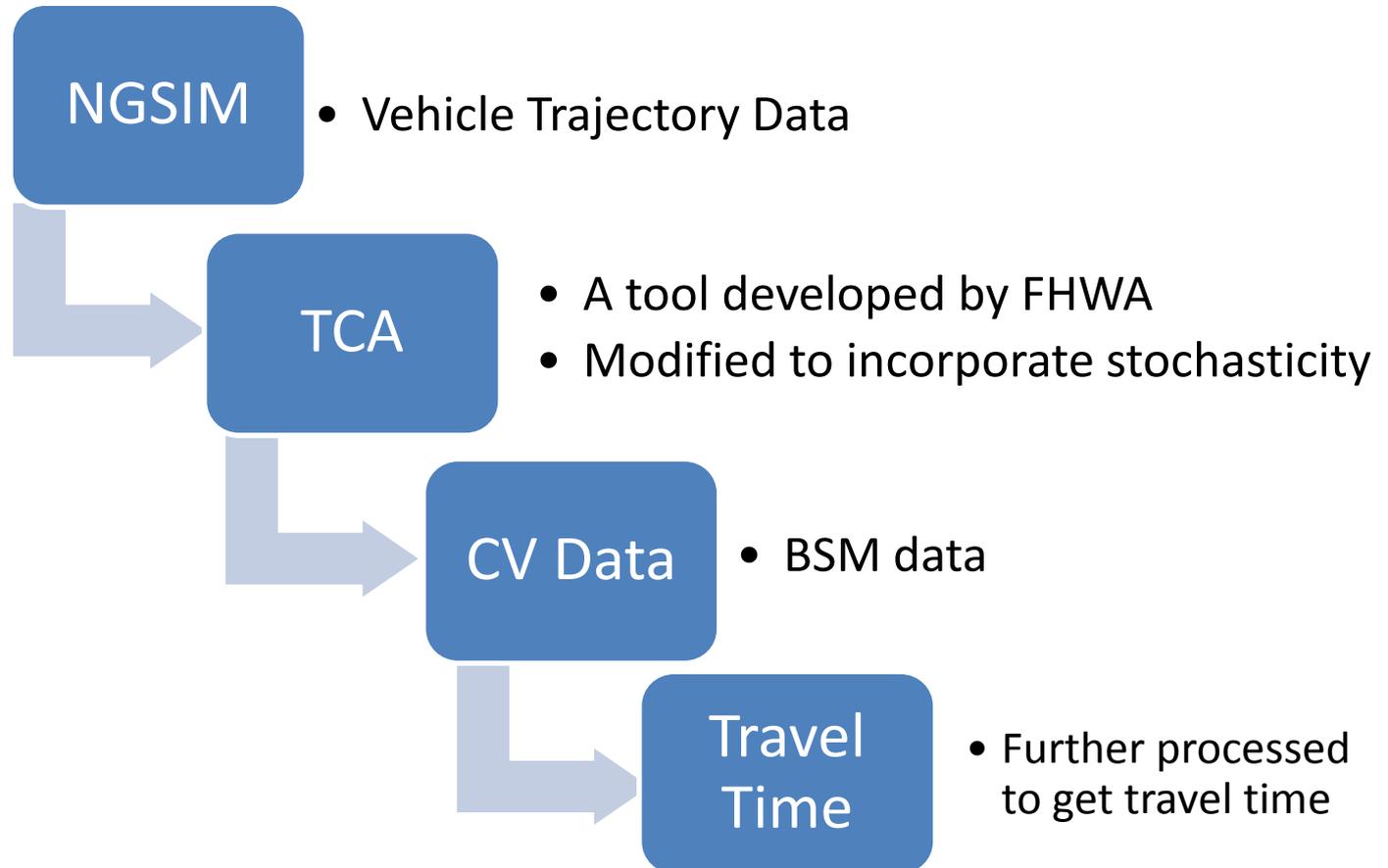


Result

- Variation of CV market penetration

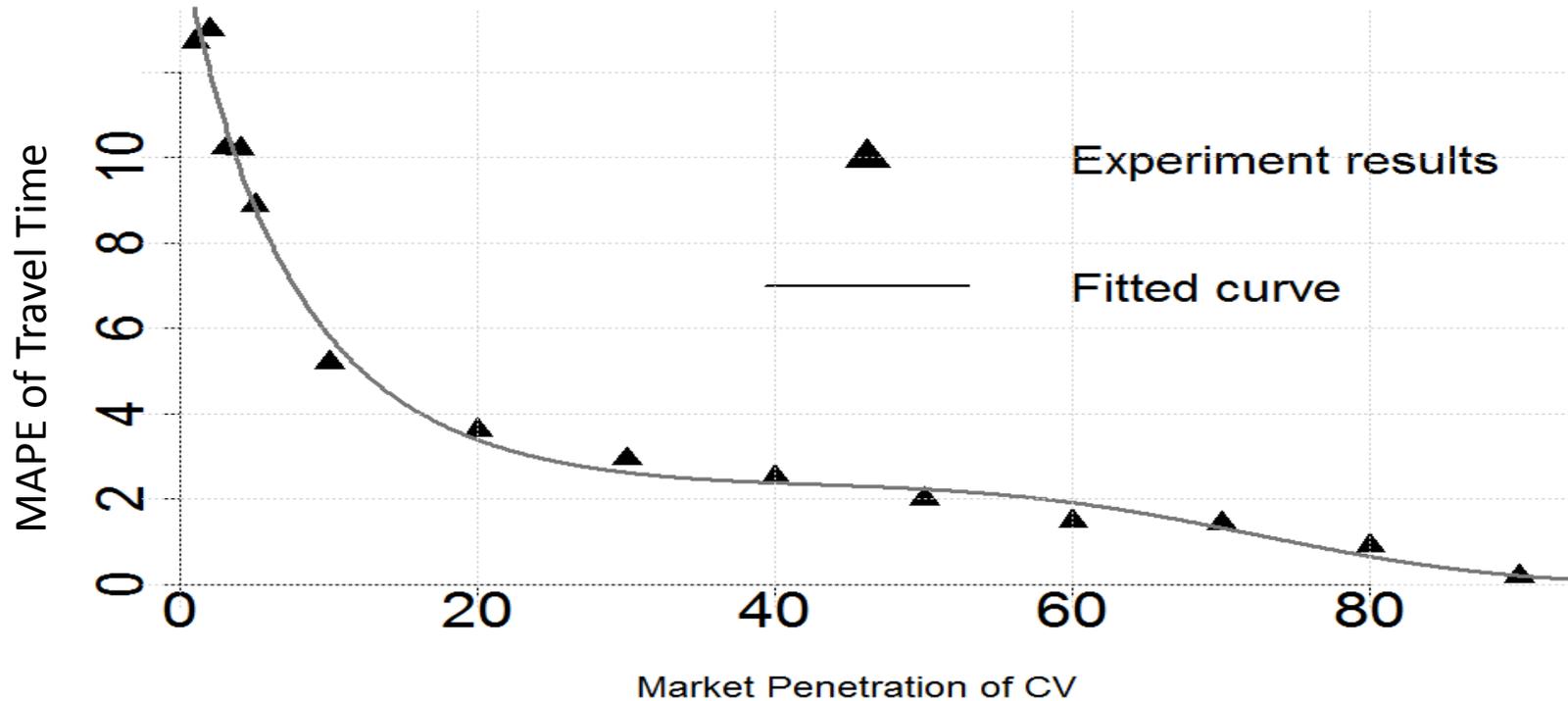


Application



Application

- Travel time error at different MP of CV



Application

- Travel time error at different year

