

ViBE: Visual Bus Data Exploration Tool

Team: data & pizza => insights

Members: Arno Solin, Eric Malmi,
Jaakko Luttinen

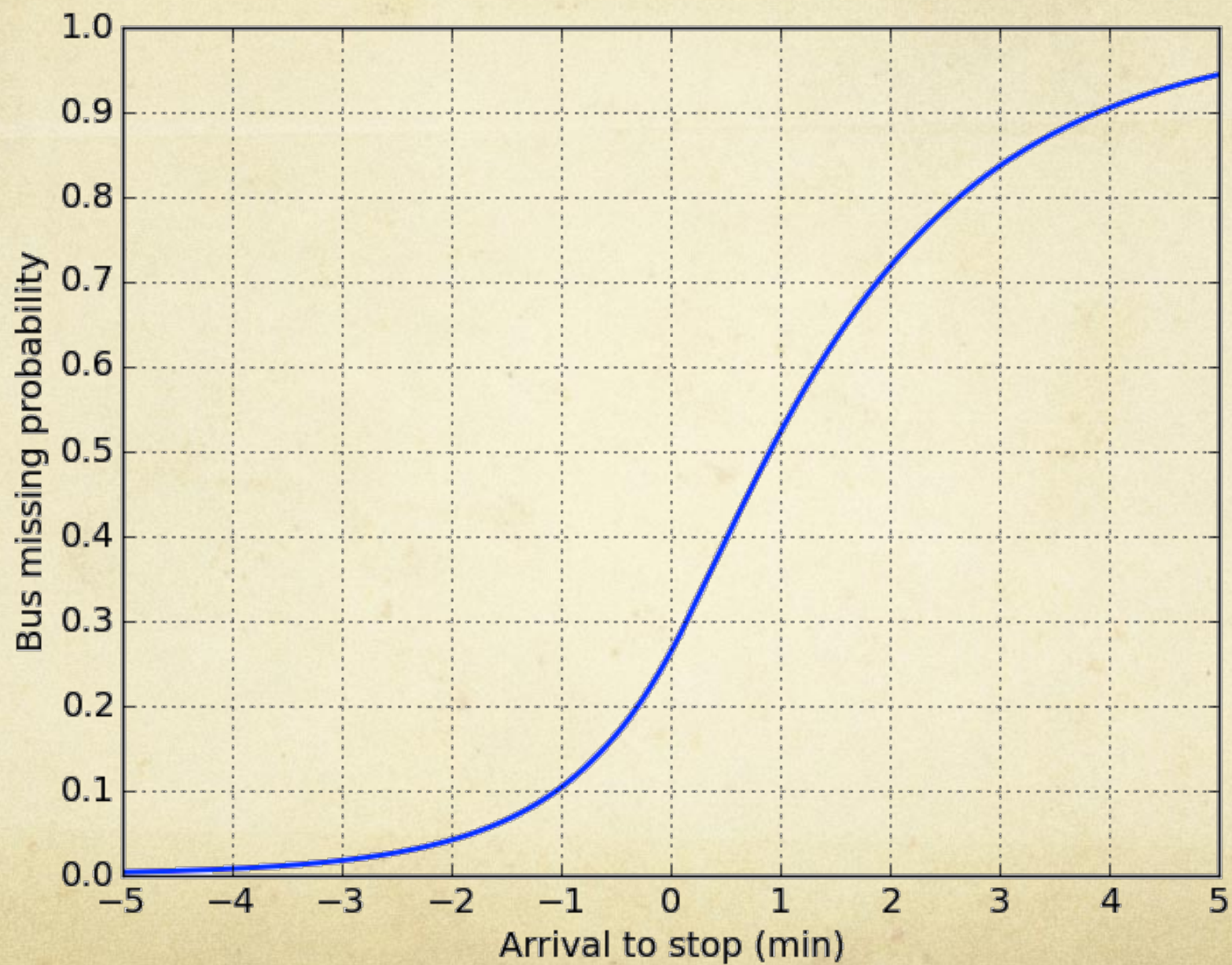
What's ViBE and who uses it?

- Target users
 - (Mainly) HSL - Functionality of the bus network
 - (Also) Passenger - Current congestion
- Data: HSL ajoaika_gps (>1 year, all busses, 40 GB)
- Technologies: SQLite, Python, Google Maps, JavaScript
- Code on GitHub: <https://github.com/asolin/aalto-data-science-hackathon>

Case Analyses

- Case 1: Stop times
- Case 2: Delays
- Case 3: PCA and Non-negative Matrix Factorization

“What’s the probability that I’ve missed the bus already?”



www.solin.fi/hack