



ViBE: Visual Bus Data Exploration Tool

Team: data & pizza => insights

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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 (NMF)
- DEMO

<http://asolin.github.io/aalto-data-science-hackathon/>

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

