Route Plan Deviations in Last-Mile Delivery

Blind Text

Initial Results

Summary of the database:
- Number of routes: 878 (458 in USA, 421 in Mexico)
- Average instances per route: 82
- Average stops per route instance: 15

Defined metric analysis on a specific route:

- Sequence Deviation = Arcs not followed by driver / Total Arcs
- Distance Deviation = Actual Distance / Planned Distance – 1
- Deviation Impact = Actual Sequence SLD* / Planned Sequence SLD – 1

* SLD: Straight Line Distance

Expected Contribution

Devis methods of statistical learning to extract the superior information of delivery crews and make it available to improve future route plans.

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