Visualizing Multi-Modal Accessibility of Chicago Area

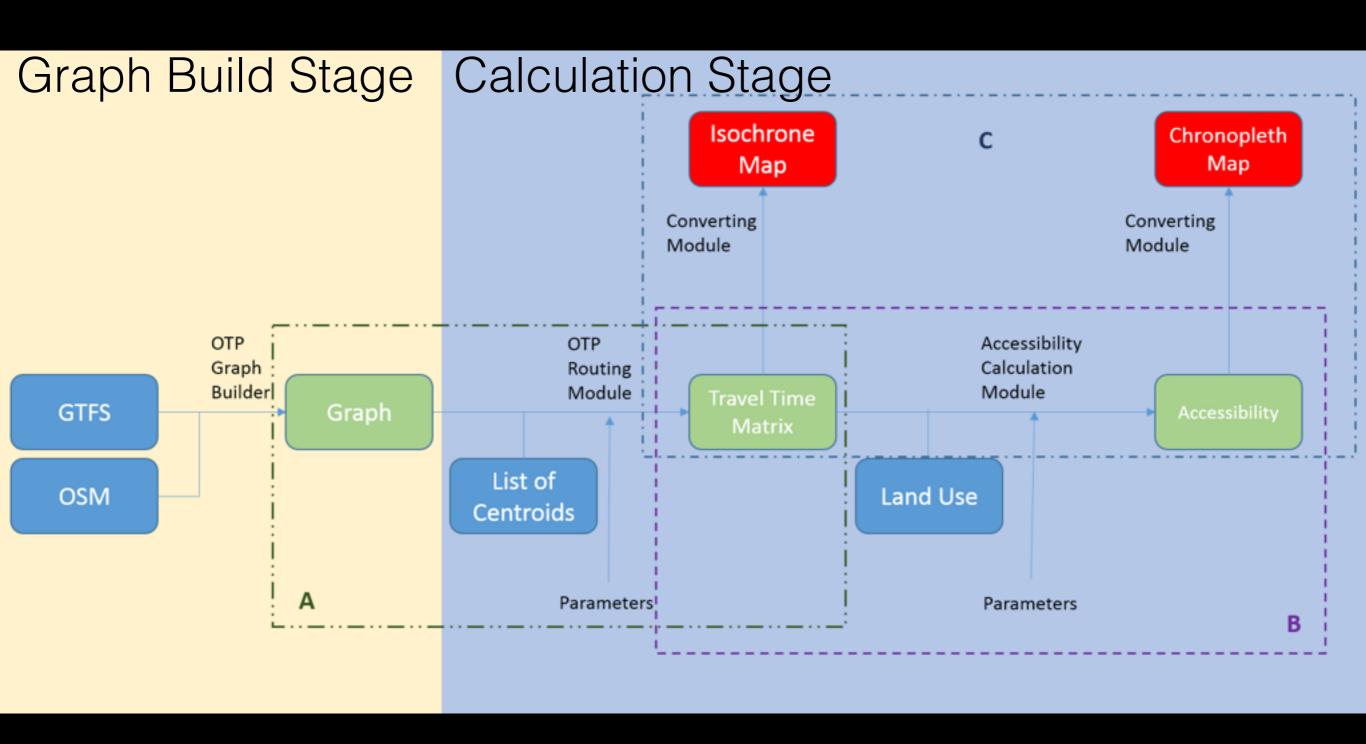
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About this Project

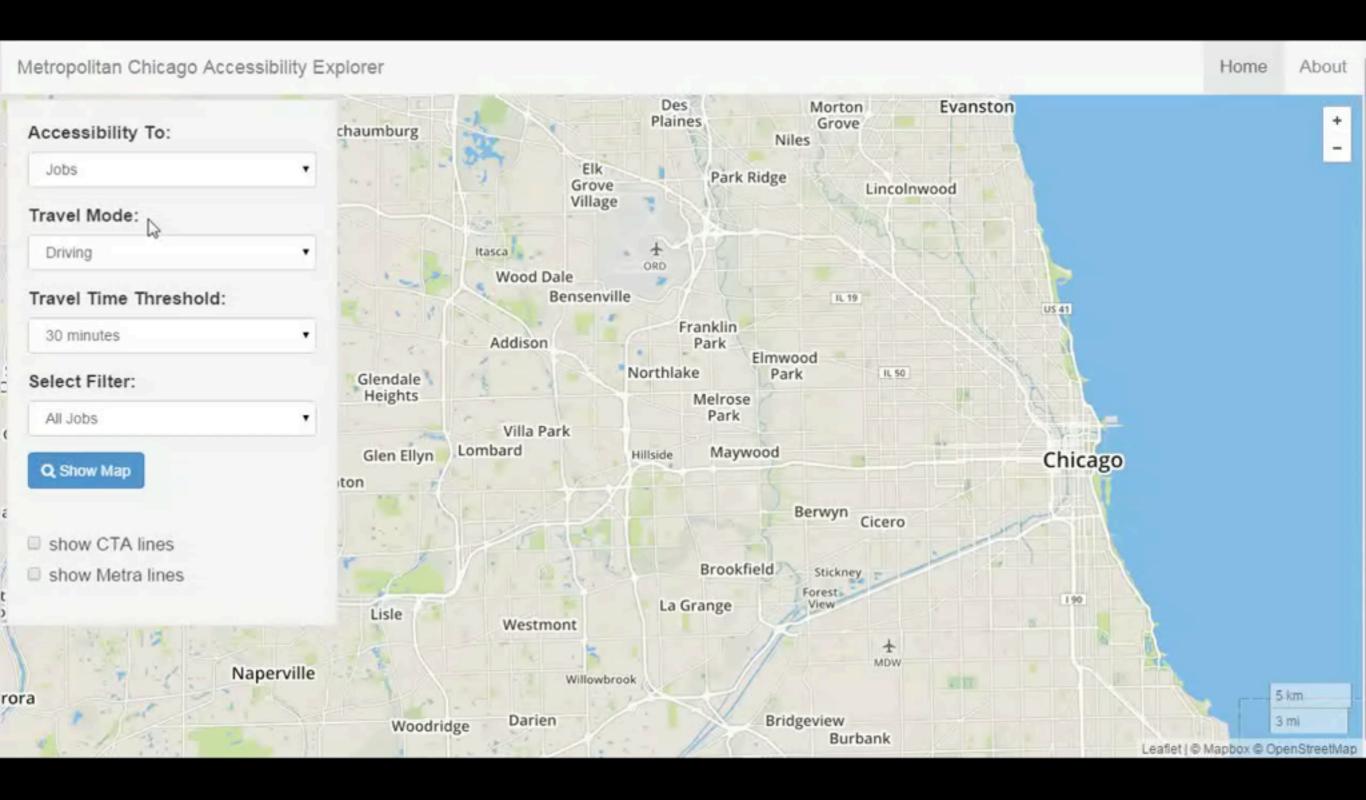
- Accessibility is a measure of the ease of reaching valued destinations.
- It combines mobility measure and land use potential measure together.
 - mobility measures the ability of moving in the traffic network
 - potential reflects the value of a destination
- We visualized block group level accessibility to multiple land uses, by multiple travel modes, at different time in a days, and within multiple travel time thresholds, for the whole Chicago region
- cumulative opportunity measure:

$$Acc_{i,opp} = \sum_{TTM_{i,j} \leq threshold} Opp_j / \sum_{j} Opp_j$$

Build System



Visualization



Visualization

