Methodology Flow Chart

Collect Datasets

- **Bus routes**
- **Bus stops**
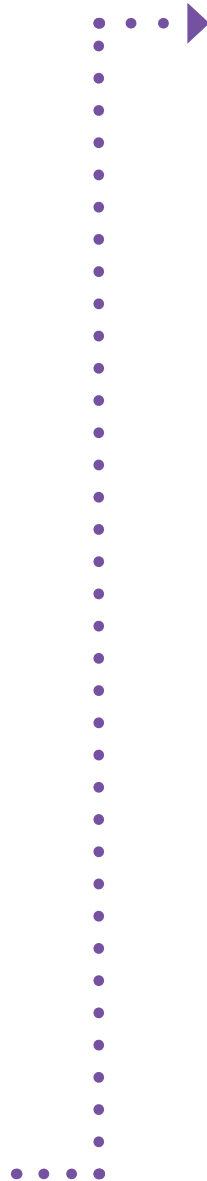- **Number of jobs per census tract**

Statistically Analyze Data

- **Derive formula for accessibility that takes into account:**
  - Number of jobs per census tract
  - Walking time to bus stop as a function of distance
  - Bus travel speed
  - Bus routes
  - Bus headways
- **Run datasets through formula**

Visualize Data

- **Create two choropleth maps of accessibility based on derived formula**
  - NextGen bus route accessibility
  - Original bus route accessibility
- **Create a map that subtracts the values of one from the other to see the changes in accessibility**
- **Create a map of median income by census tract**

Analyze Findings

- **Compare maps of accessibility to map of income in LA**
  - Where have changes happened in the City and how will that affect the populations living there?

Conclusion

- **Did NextGen help or hurt job accessibility via the bus in the City of LA?**