Demographic Breakdown of Transit Rider Satisfaction

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Overview

- Context for Research
- Overview of the Data
- Summary of Service Satisfaction
- Summary of Demographics
- Interaction of Satisfaction and Demographics
- Next Steps





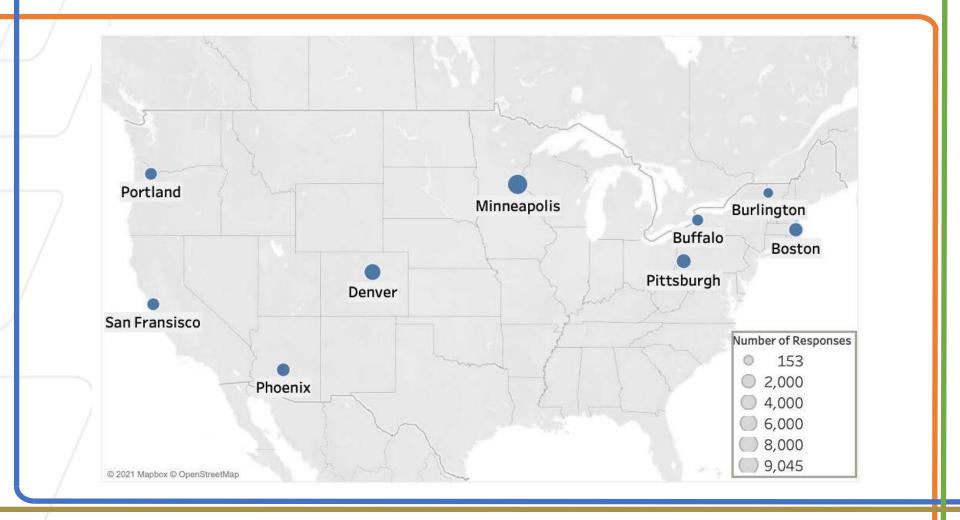
We've studied how aspects of service affect overall rider satisfaction

We know who rides transit

But how do the two *interact*?



Data Sources and Collection





Data Cleaning and Variables

Consolidation of vastly different transit survey data

9 Service Attributes

- Overall Satisfaction
- Availability
- Comfort
- Customer Service
- Ease of Use

- Information
- Reliability
- Time
- Security

- 8 Demographic Variables
 - Age

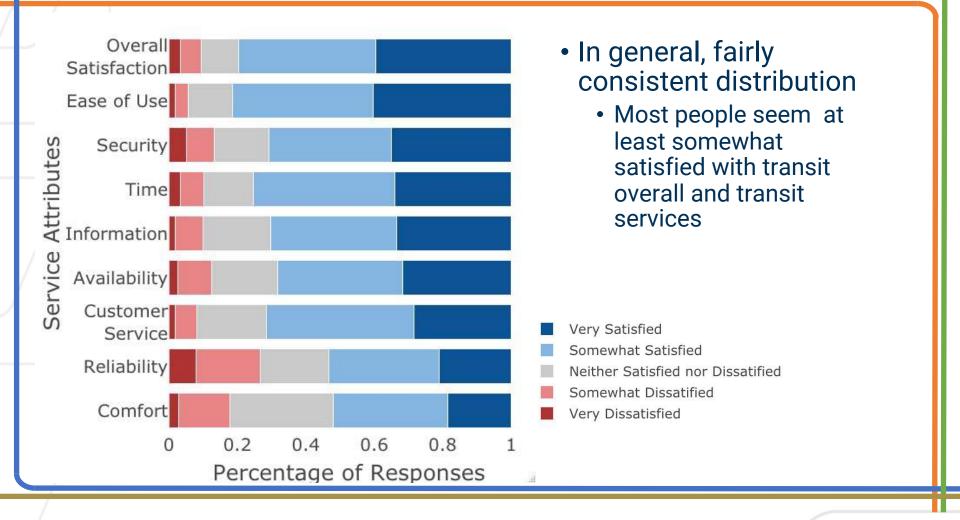
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- Disability
- Driver's License
- Gender

- Income
- Language
- Race
- # of People in Household

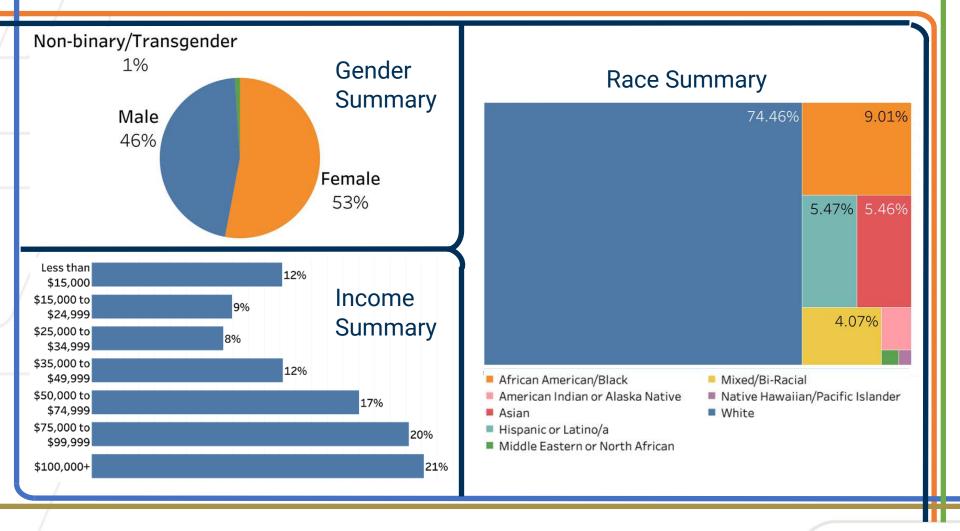


Satisfaction Responses by Service Attribute





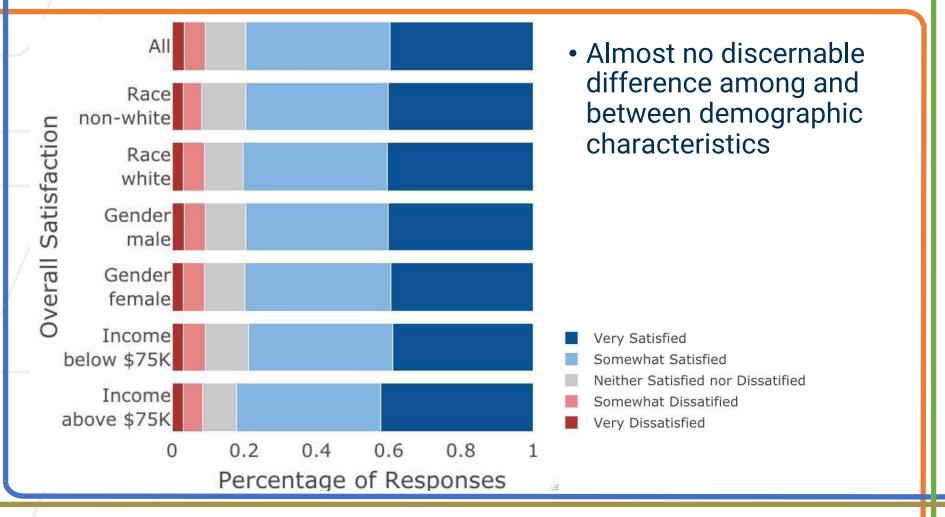
Overview of Demographics





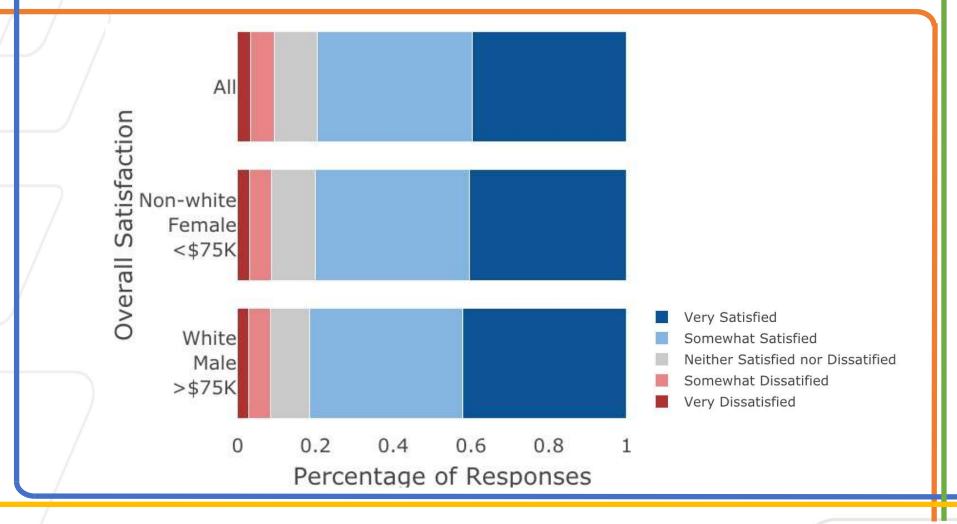


Overall Satisfaction by Demographic Characteristics





Overall Satisfaction by Combinations of Demographic Characteristics







Discussion of Findings

- In general, very little difference across socio-demographic variables
- Relevance of national findings to individual agencies
 - Understanding transit agency data and data collection processes
 - Challenges in consistent data from local to national and vice versa

• How does this align (or deviate) from past literature?



Next Steps and Applications

Regression analysis

- Service attributes as they relate to overall satisfaction
- Demographics as they relate to satisfaction variables
- Relationships and combinations of demographic variables
- Variations in findings based on transit agency

Applications

- Provide a more nuanced understanding of transit rider satisfaction
- Aid policy makers in making more equitable decisions



T-SCORE Center

- USDOT University Transportation Center (UTC)
- Goal: Define strategic visions to guide transit into the future and equip planners with tools to translate visions into reality
- Partner Universities





http://tscore.ce.gatech.edu/

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Thank you!

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