CERES DYS Project

Machine Learning Team

Our Works:

- **Data Cleaning / Merge Data**

  → Check Duplicates; Group Participants; Merge Spreadsheets; etc.

- **Data Visualization on Quant Data**

  → Visualization on Multiple Quant Data
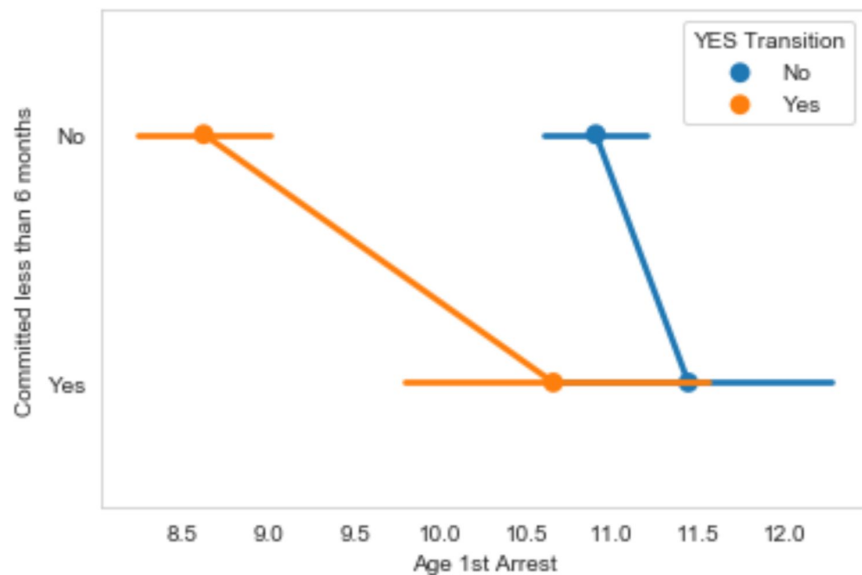
- **Topic Modeling on Qual Data**

  → Using Caseworkers' Notes to do Topic Modeling

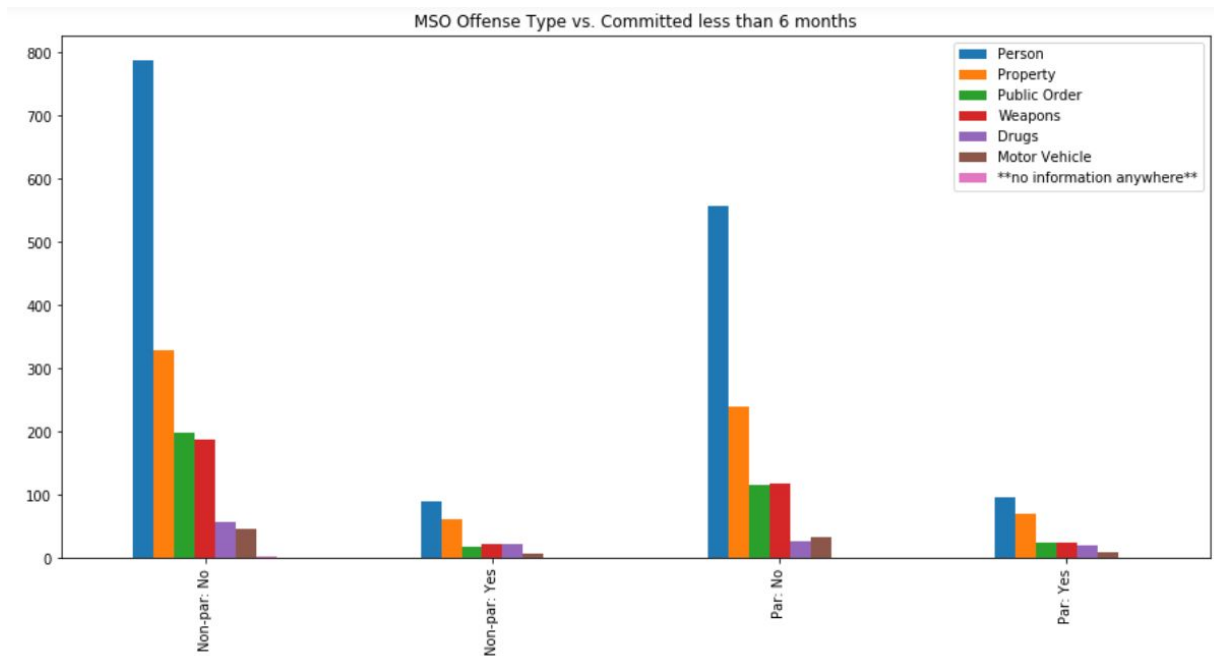***Notes: All of our codes/procedures can be accessed through GitHub website:
https://github.com/BU-Spark/CERES-DYS-Youth-Recidivism-NLP-Study.git

Quant Data Visualization

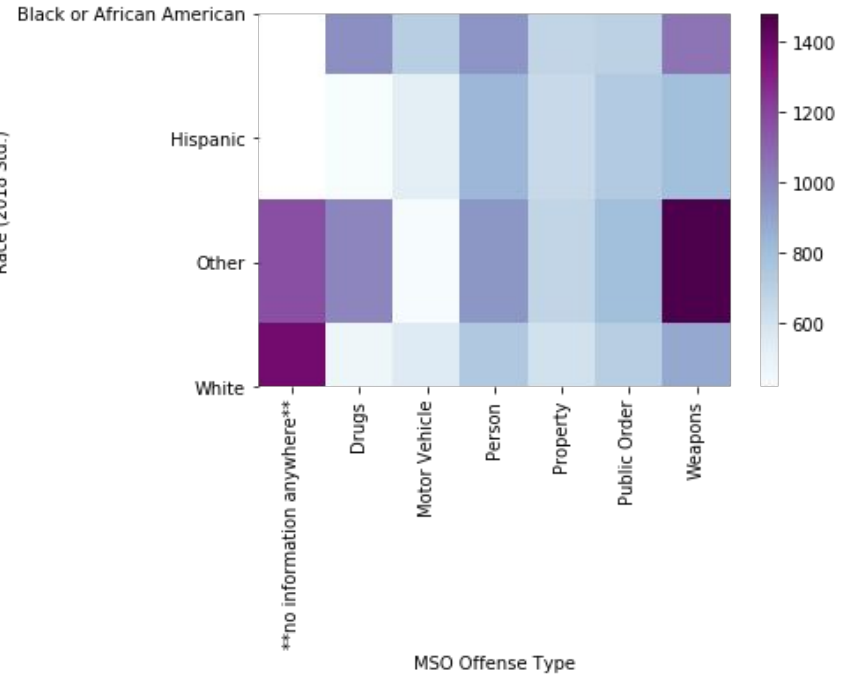- Age 1st Arrest:

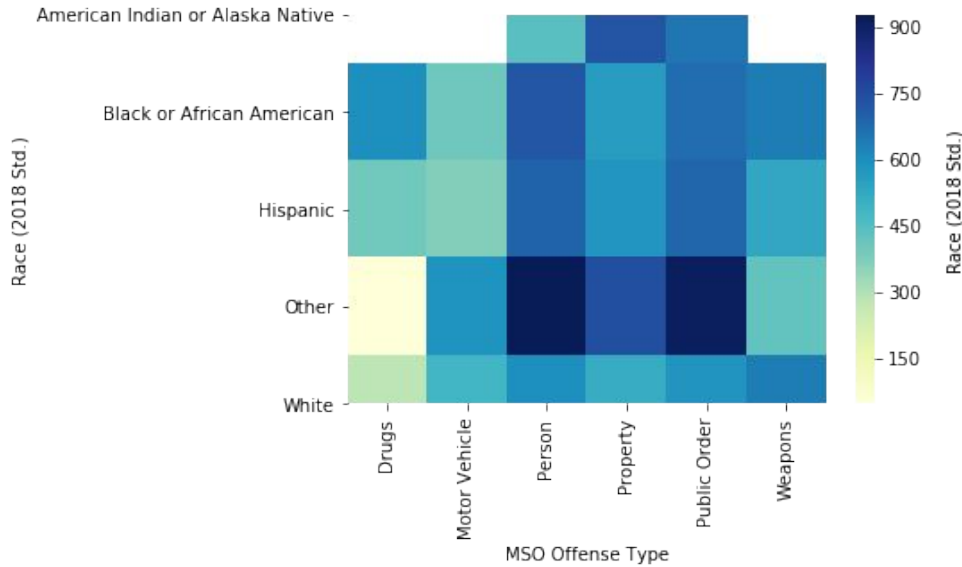# Quant Data Visualization

- MSO Offense Type

MSO Offense Type vs. Committed less than 6 months

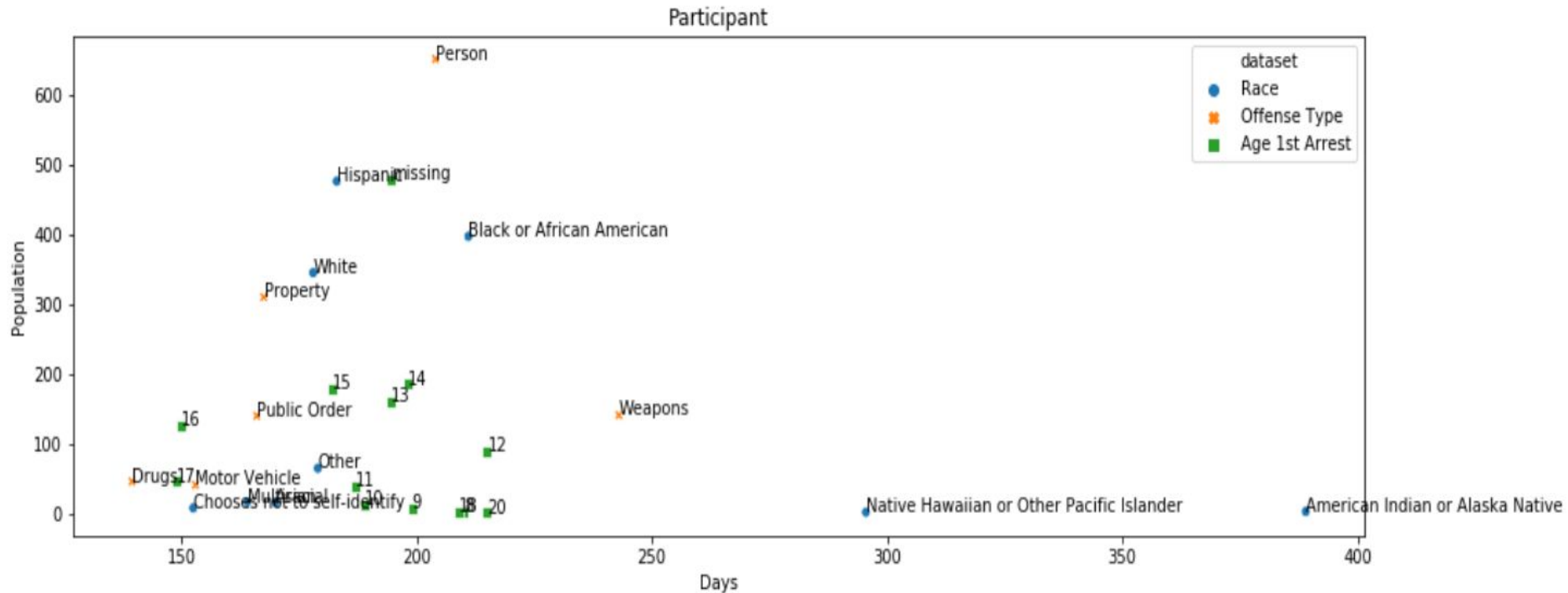# Quant Data Visualization

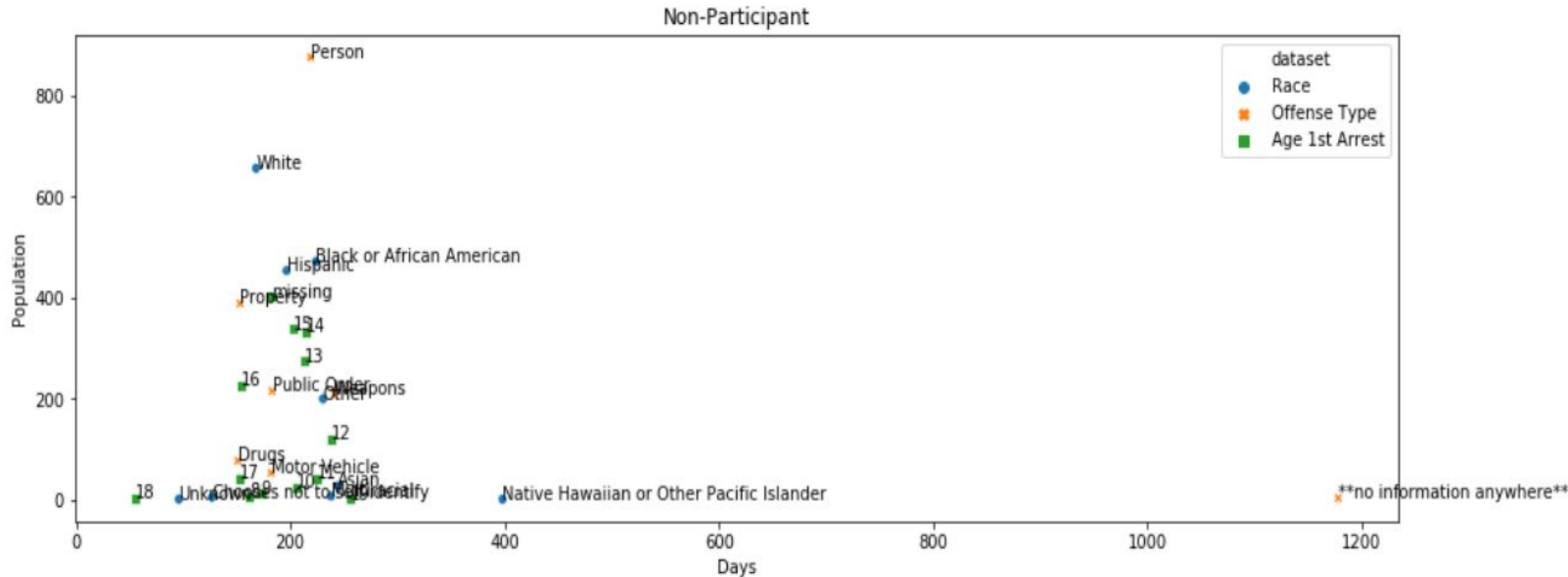· Heatmap
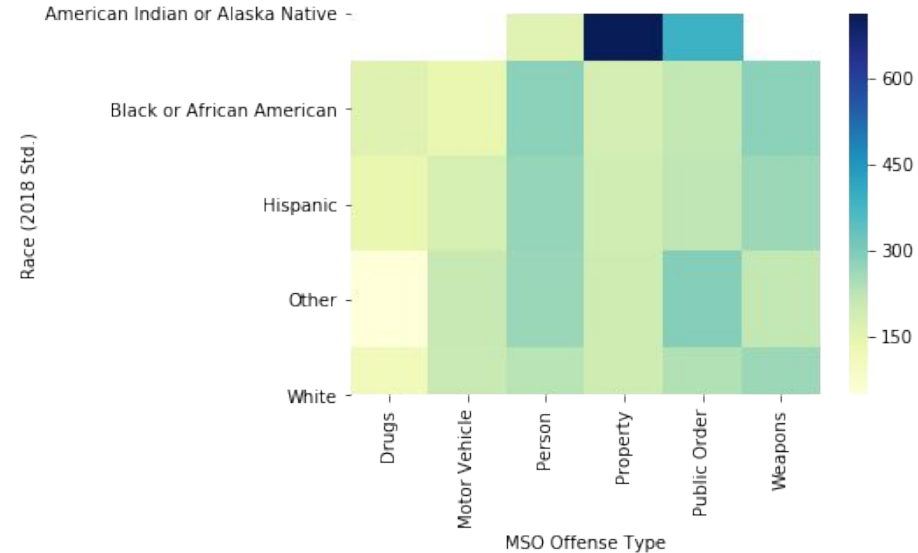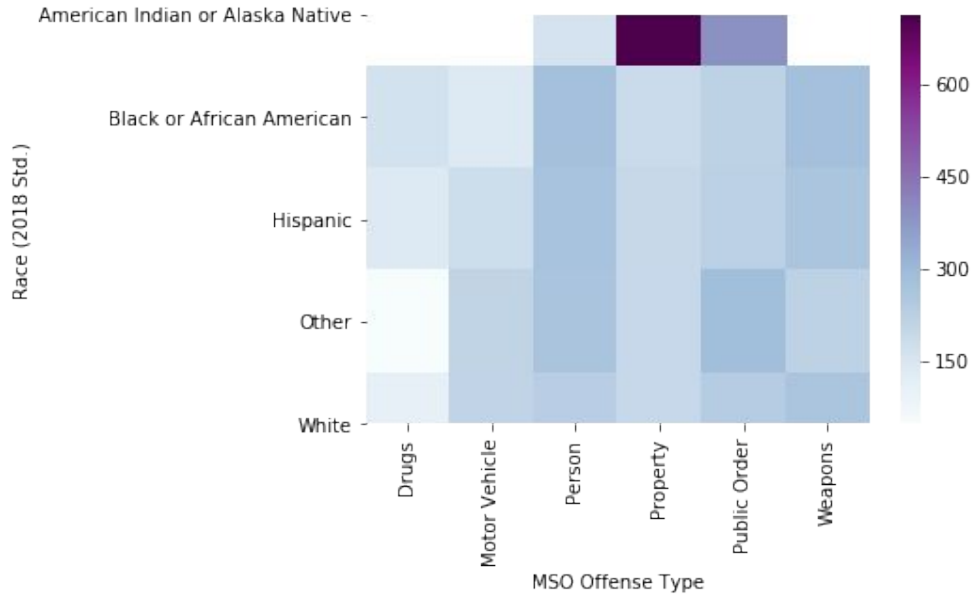
Quant Data Visualization

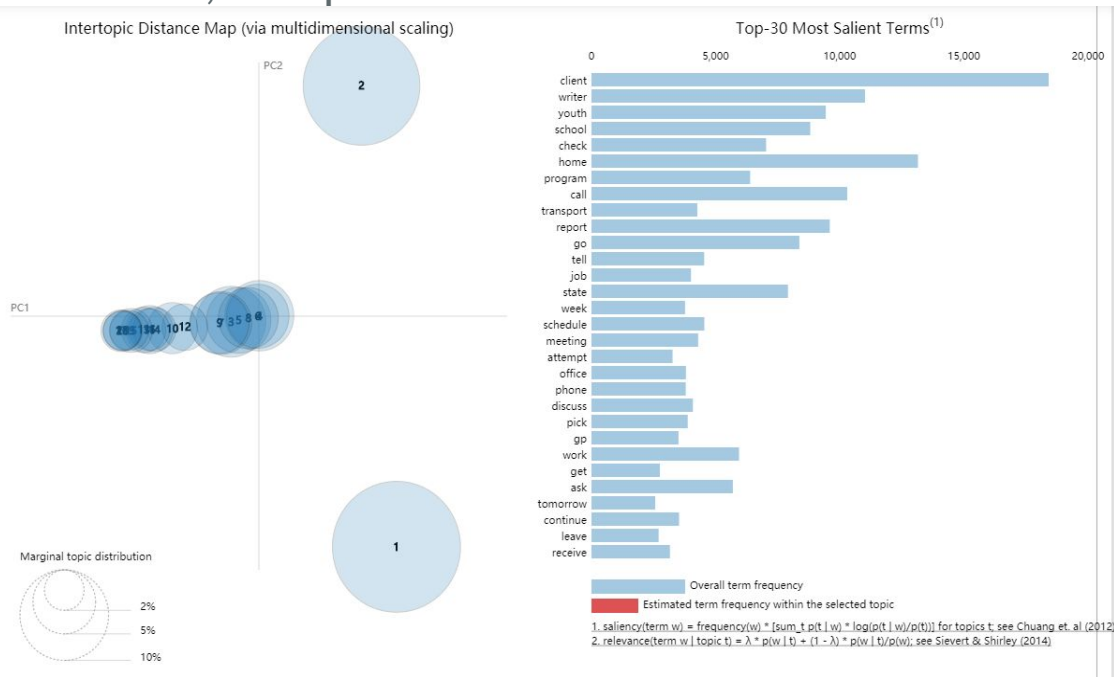# Quant Data Visualization

- Participant:

Quant Data Visualization

- Non-participant
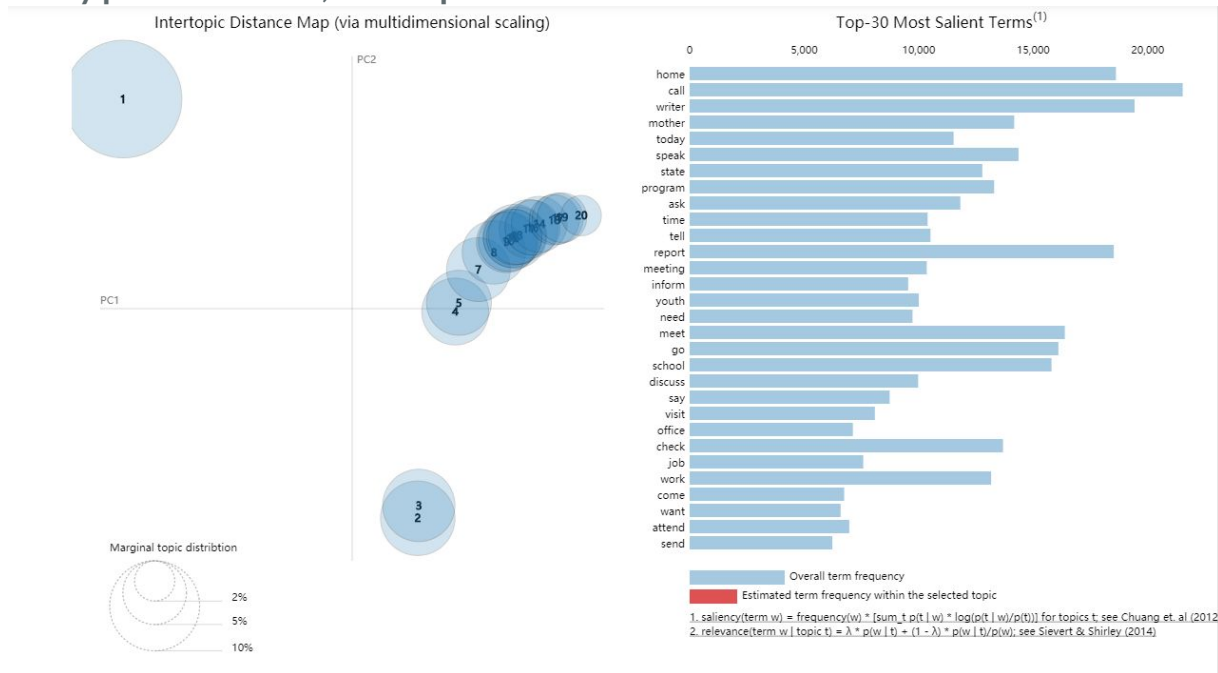
Topic Modeling: Qual Data

- Race: Black, Hispanic, White
- Offense type: Person, Weapon

Non-participant: Black

Topic Modeling: Qual Data

- Race: Black, Hispanic, White
- Offense type: Person, Weapon

Participant: Black