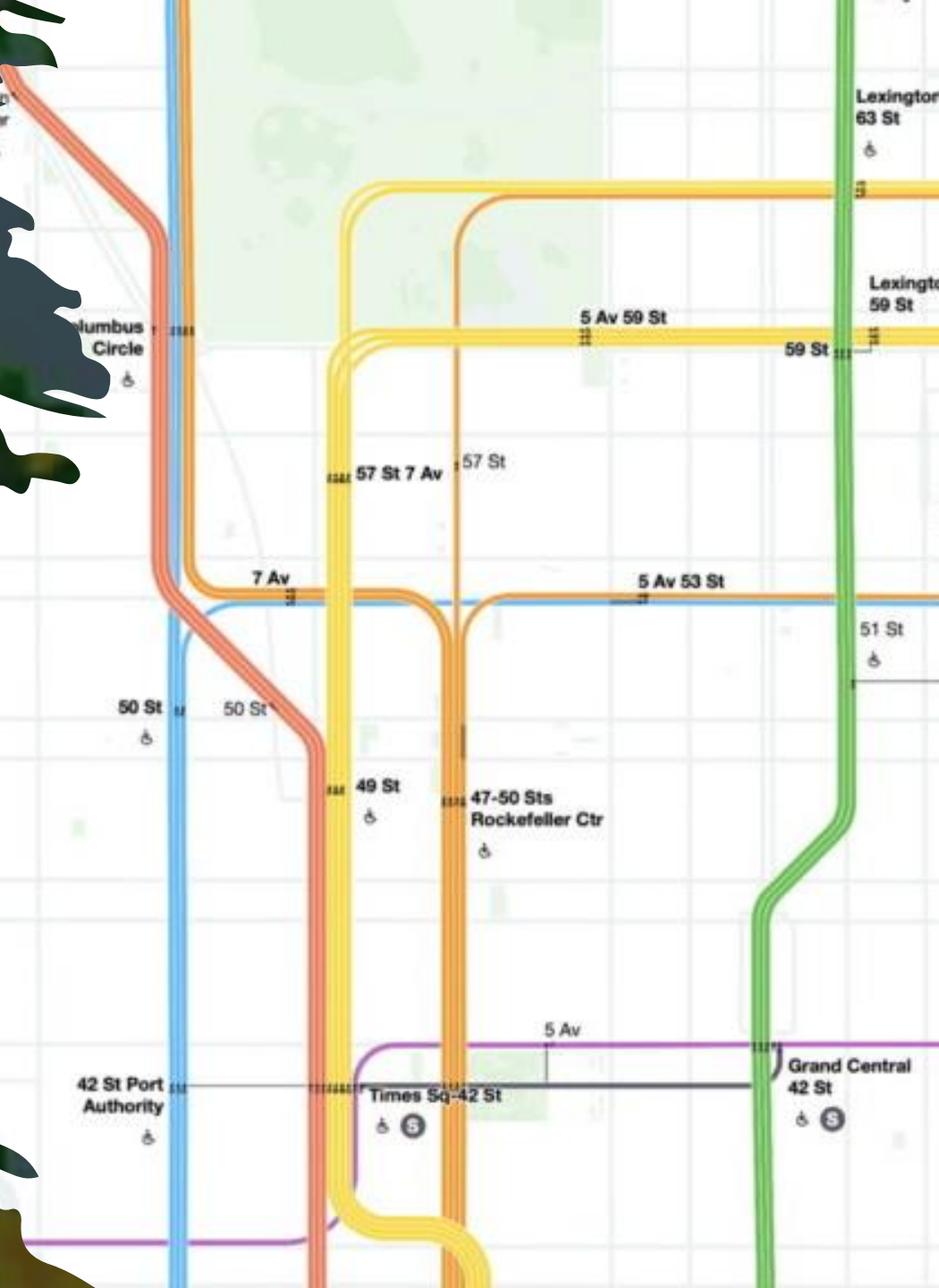
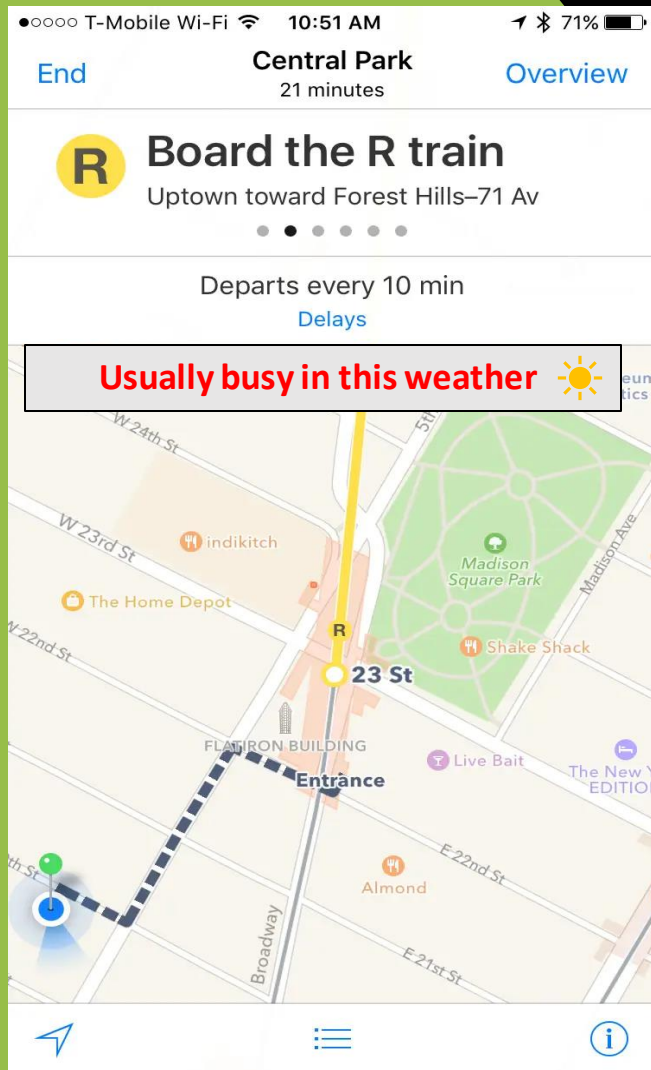


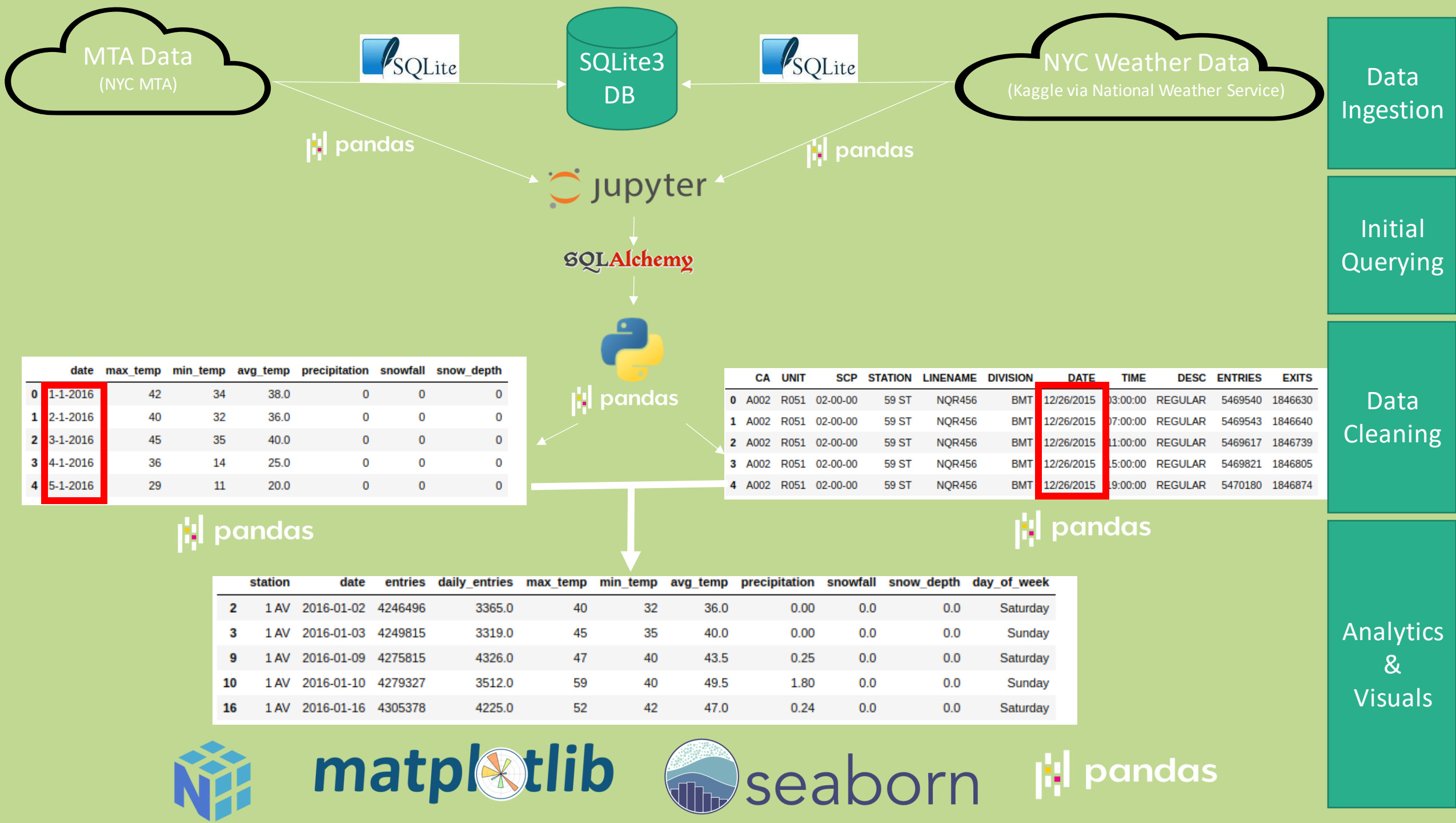
# NYC Subway Traffic and Weather

Matthew Rimol





- Explore effects on subway traffic:
  - Temperature
  - Precipitation
  - Snowfall
- How do different stations respond?
- Characteristics of the relationship

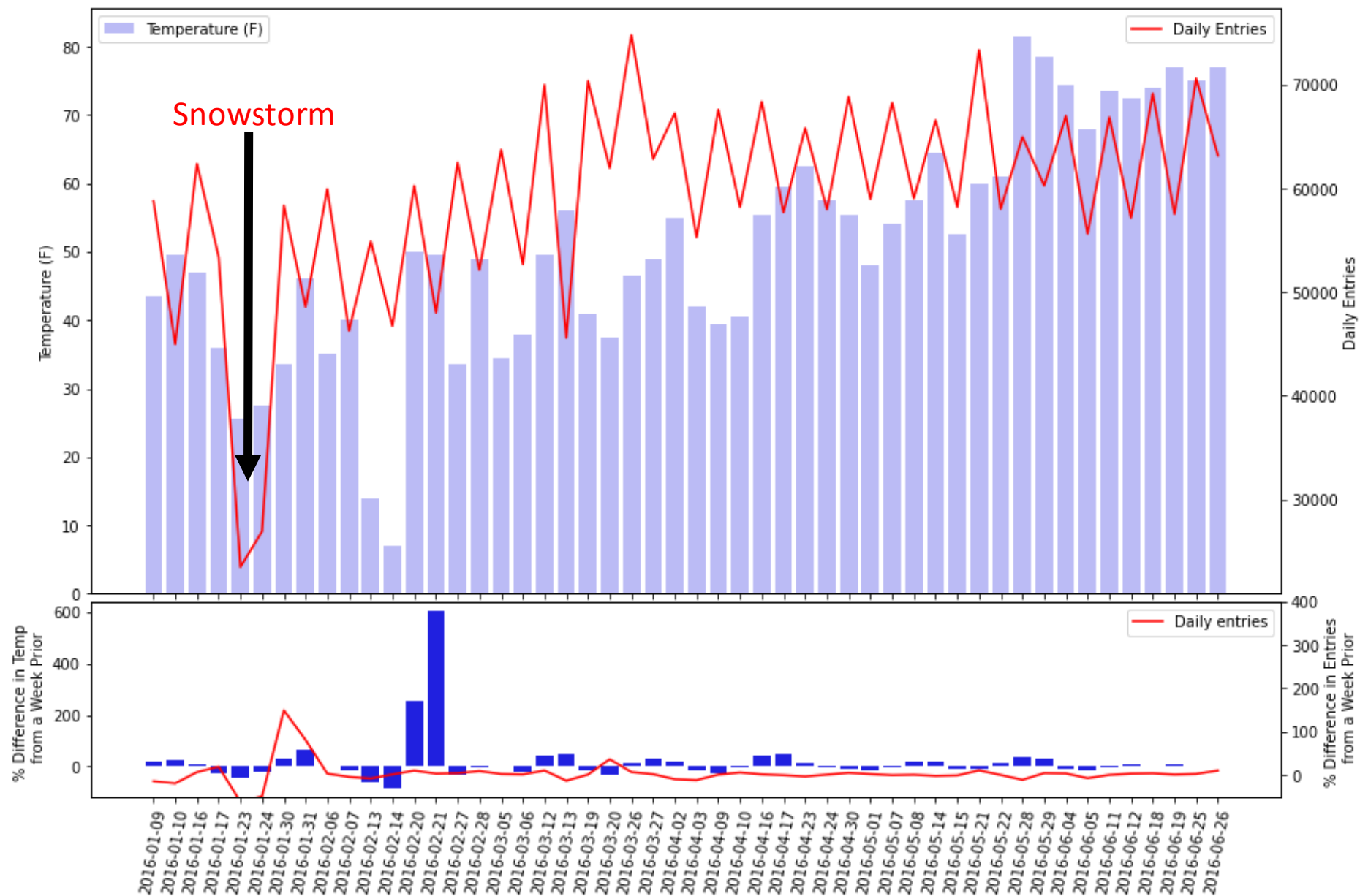




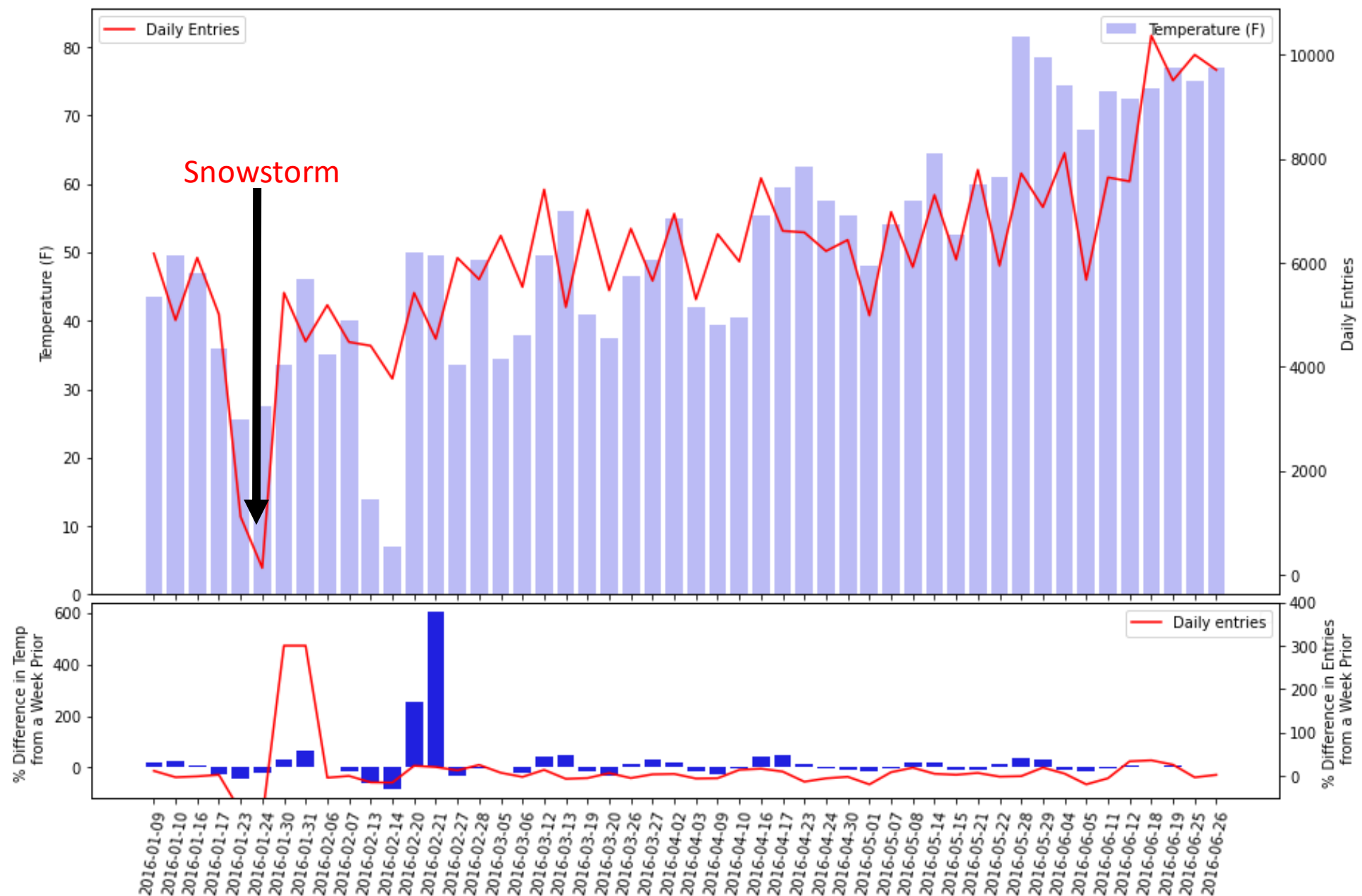
# Analysis

- January 1 though June 30, 2016
- Weekends
- Temperature
- Stations more impacted by weather

# TIMES SQ-42 ST



# BRIGHTON BEACH





# Findings

- Some stations (typically near beaches or parks) are much more sensitive to temperature changes
- Day of the week matters (even Saturday vs. Sunday)
- People do more when it is nice out but they still take the subway to get there

# Future Work

- Focus on day of week
- Statistical analysis to quantify relationships at different stations
- Account for one time events (holidays, marathons, etc.)
- Regression Model