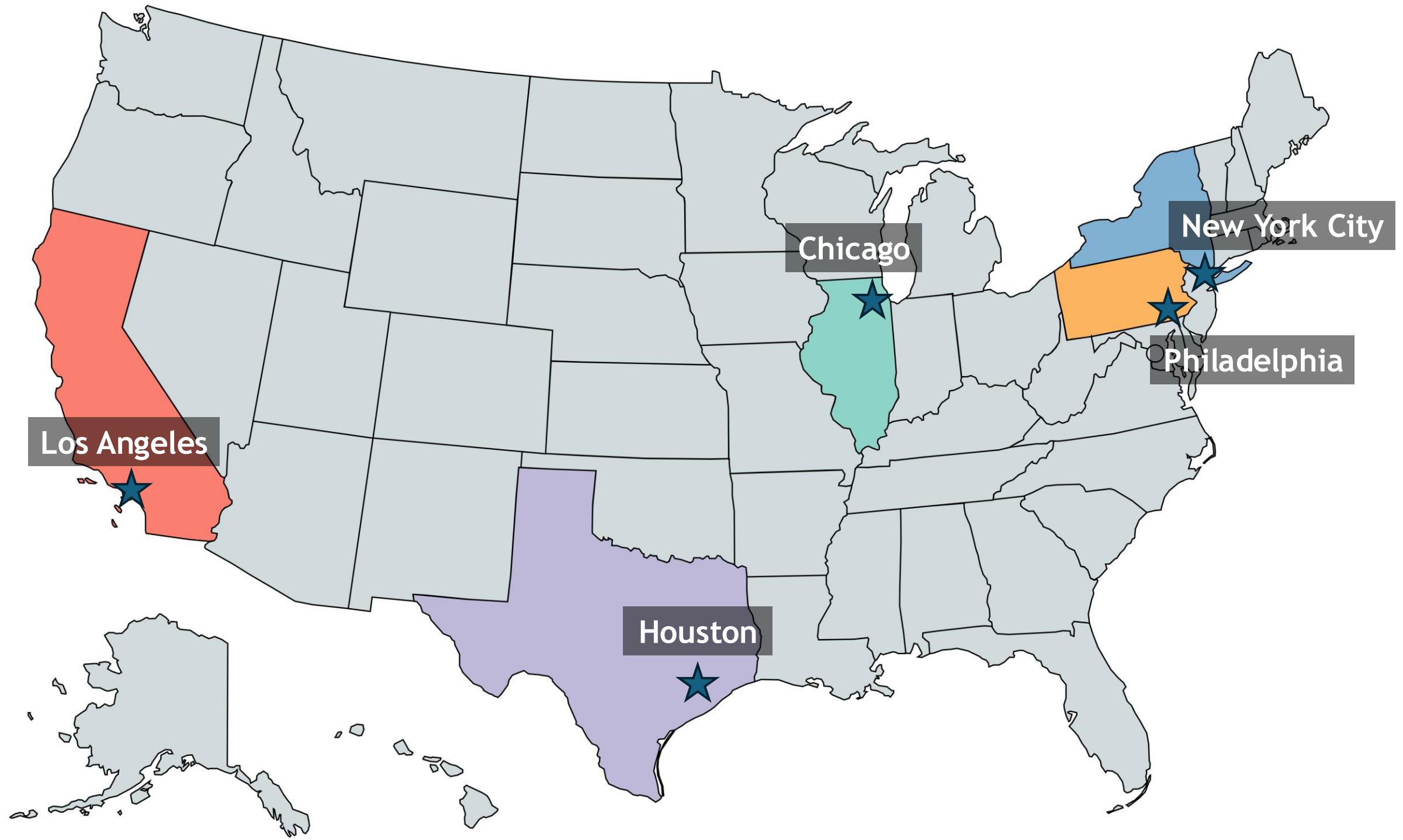




# Digital Footprints: What Subreddits Reveal about City-Level Diversity

By: Lizzie Healy, Satomi Ito, Samyu Vakkalanka, Marie Vaughan



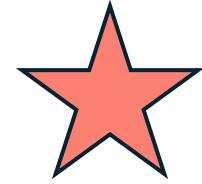
**Overall Topics**

**Vulgarity Insights**

**Conclusion**

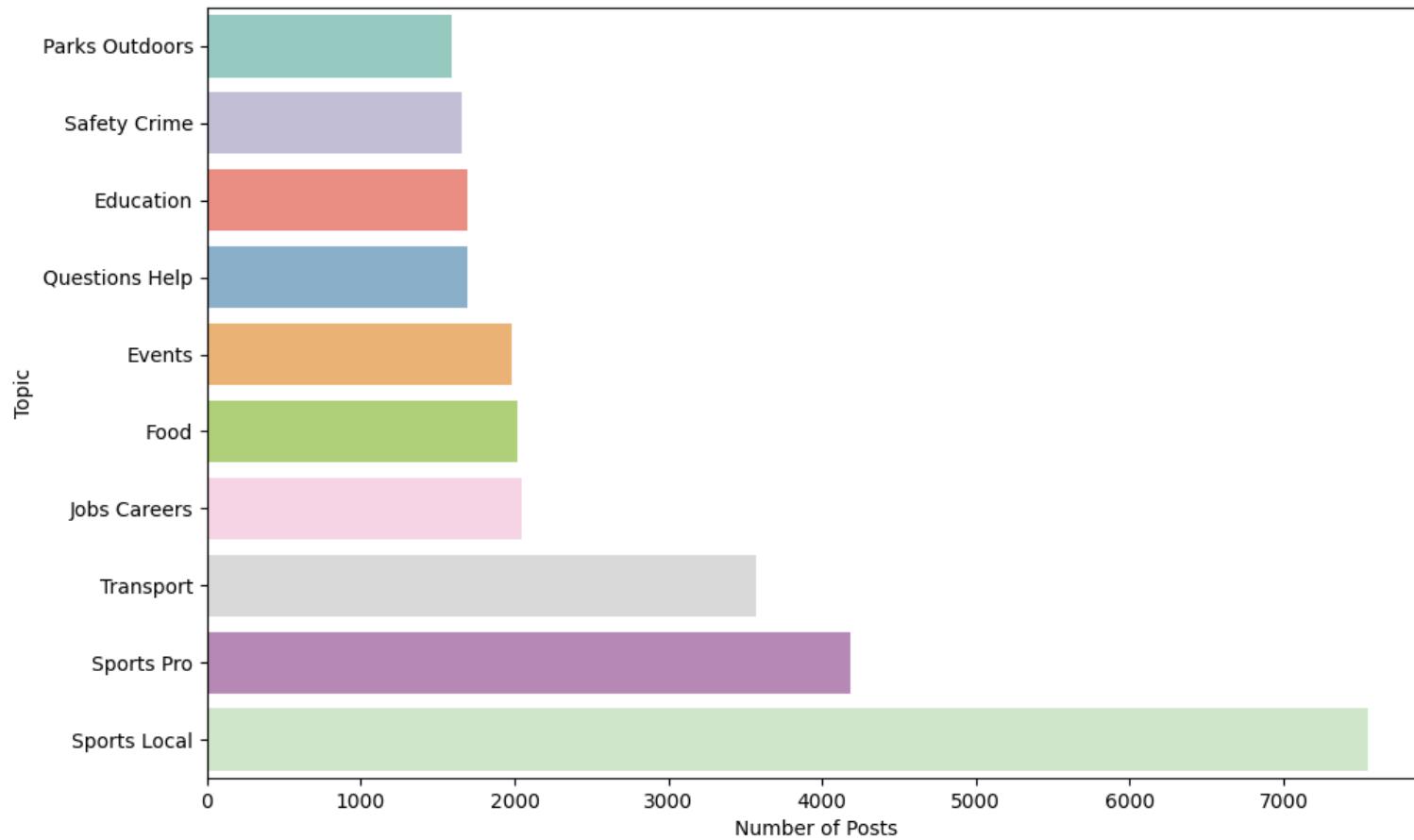
**Post Generation**

**Dialect Analysis**



# What are the topics of posts that have the highest scores across all the cities?

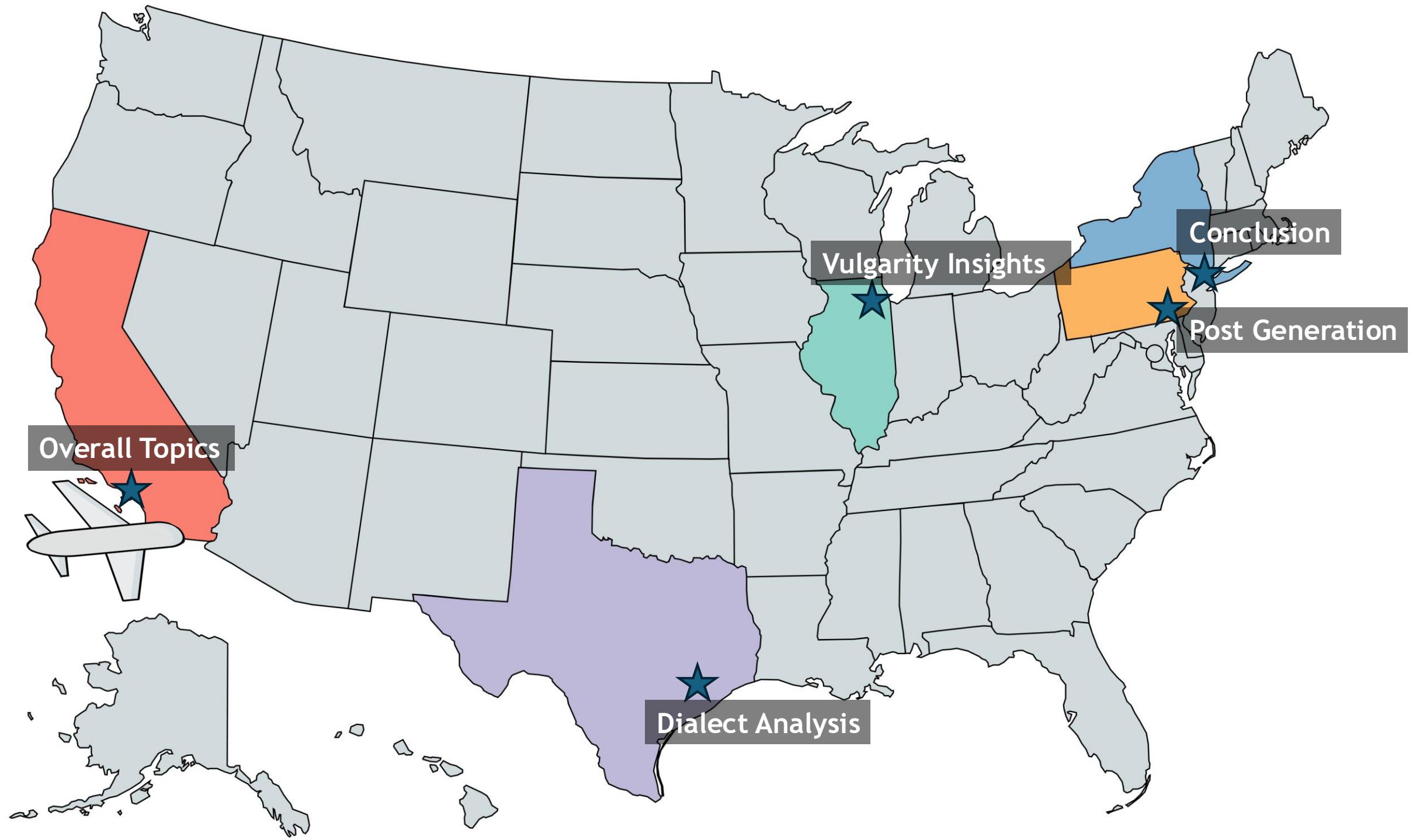
Top Scoring Posts by Topic

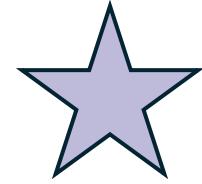


**Sports topics (Pro and Local)** dominate the posts with the highest scores across all cities

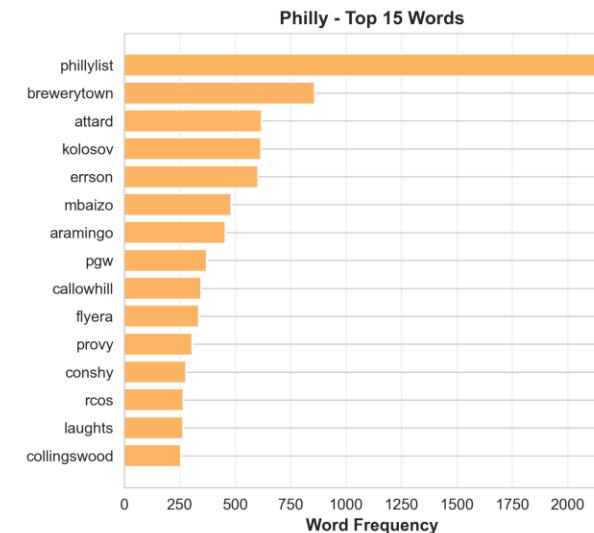
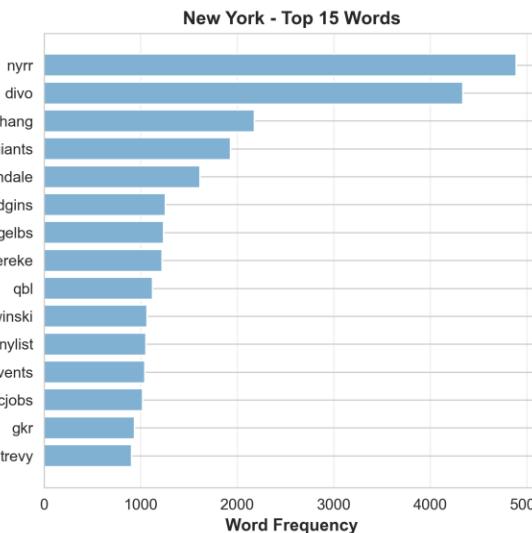
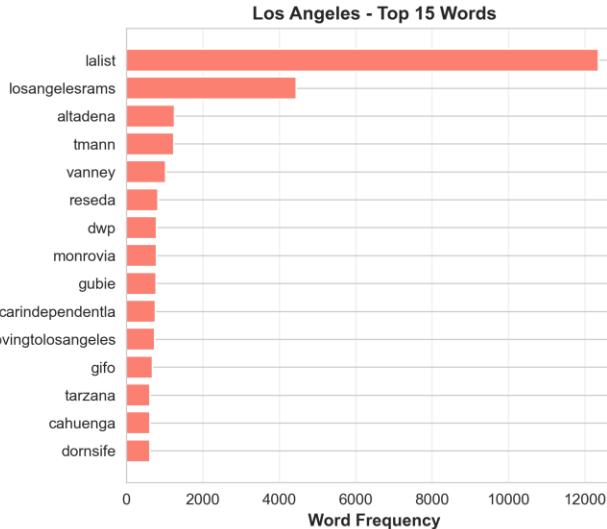
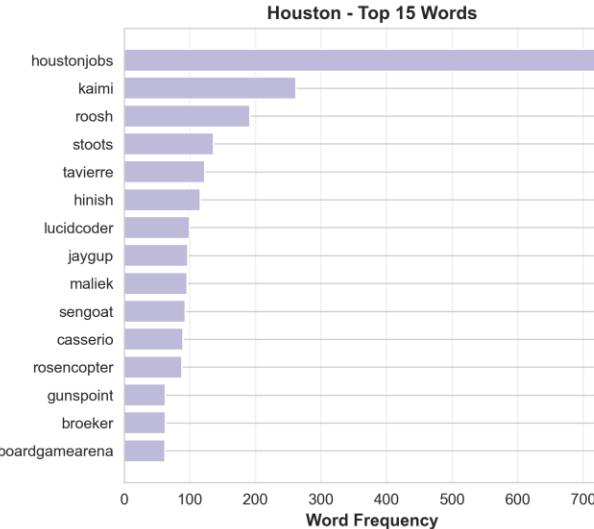
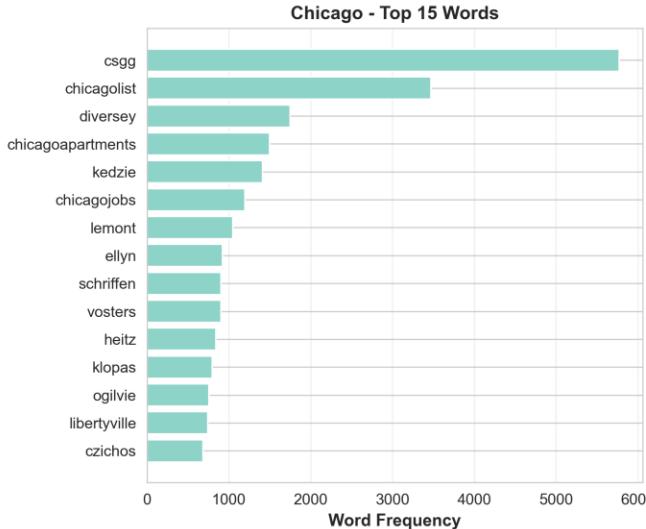
- Many sport dedicated subreddit pages per city

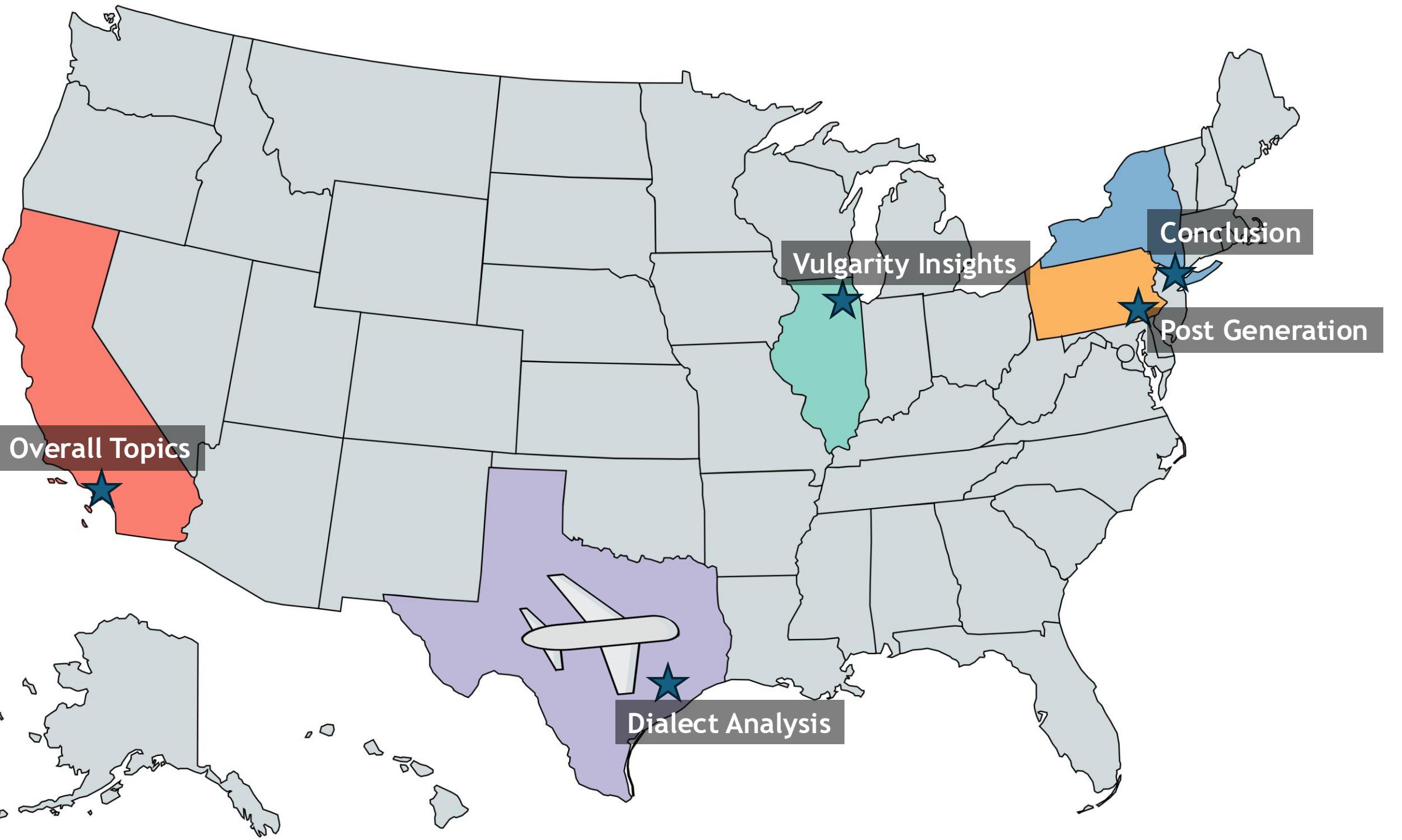
**Transportation** is the next highest scoring topic

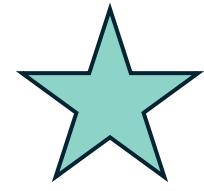




# Which words indicate the distinct dialect for each city?

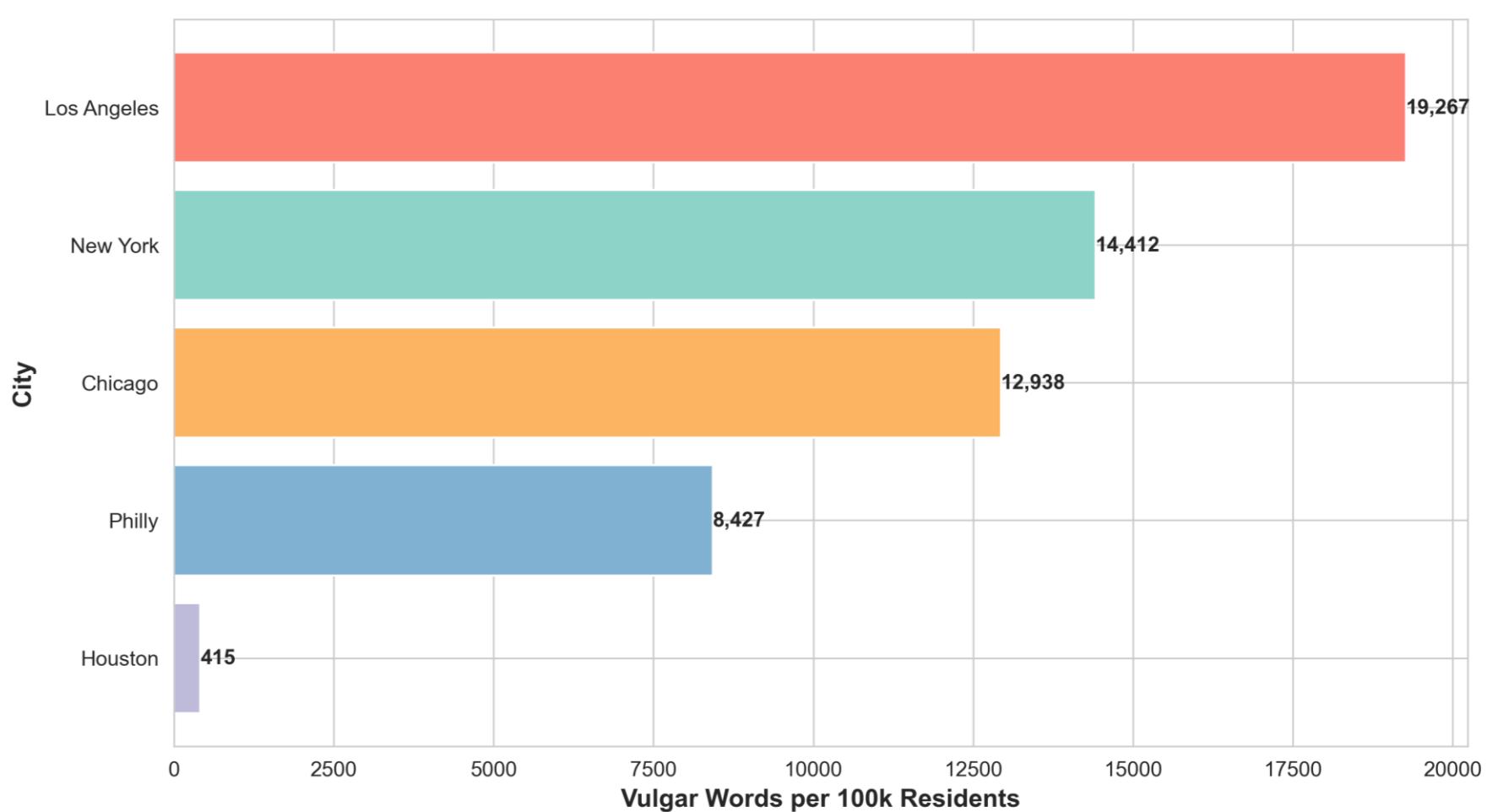






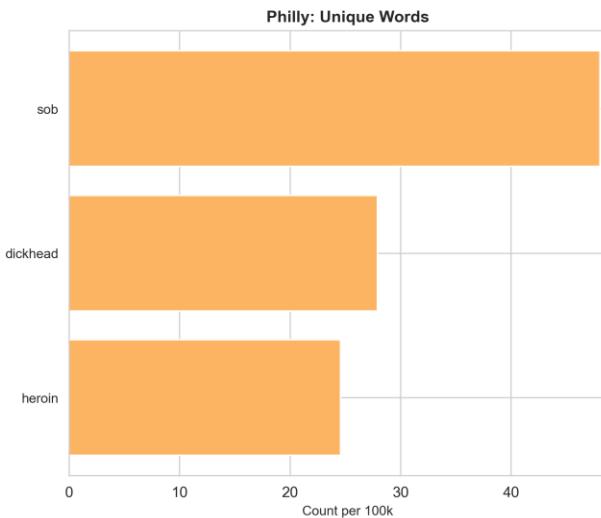
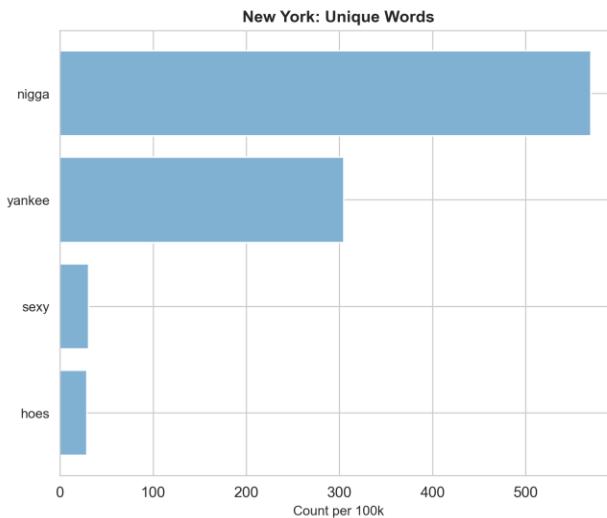
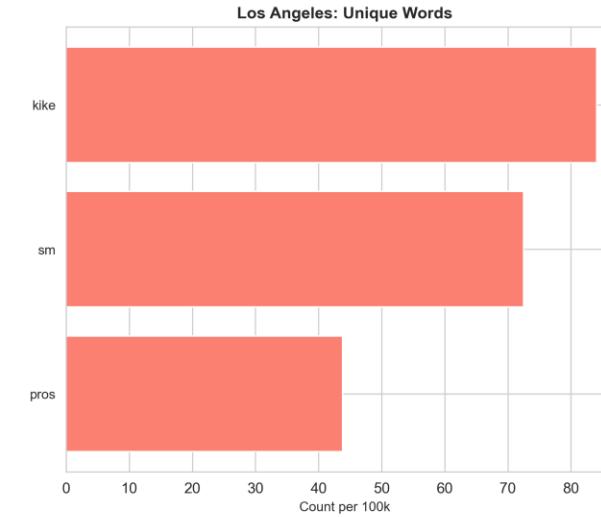
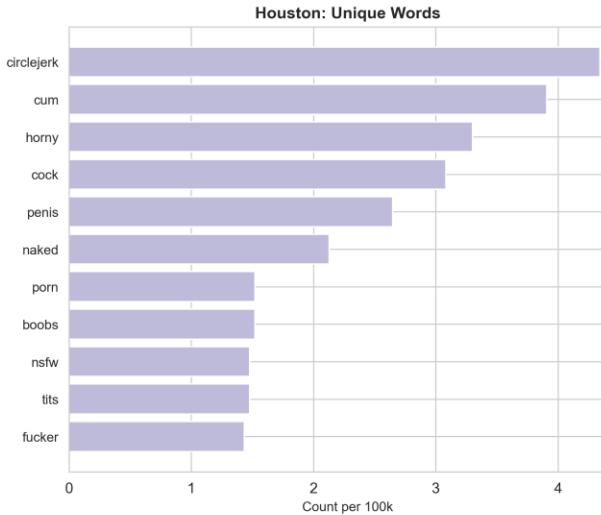
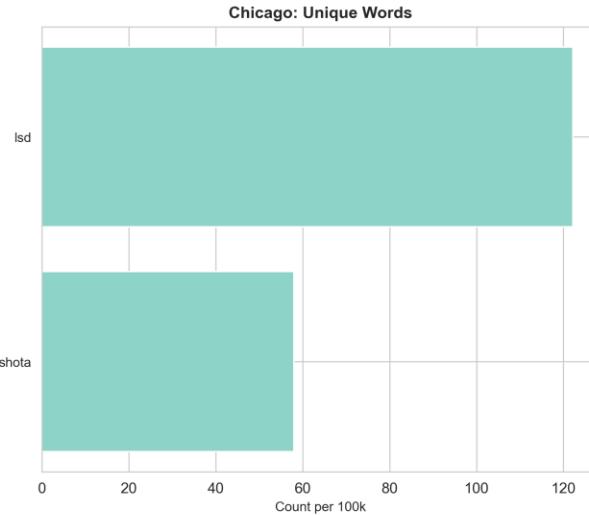
# Vulgarity Insights

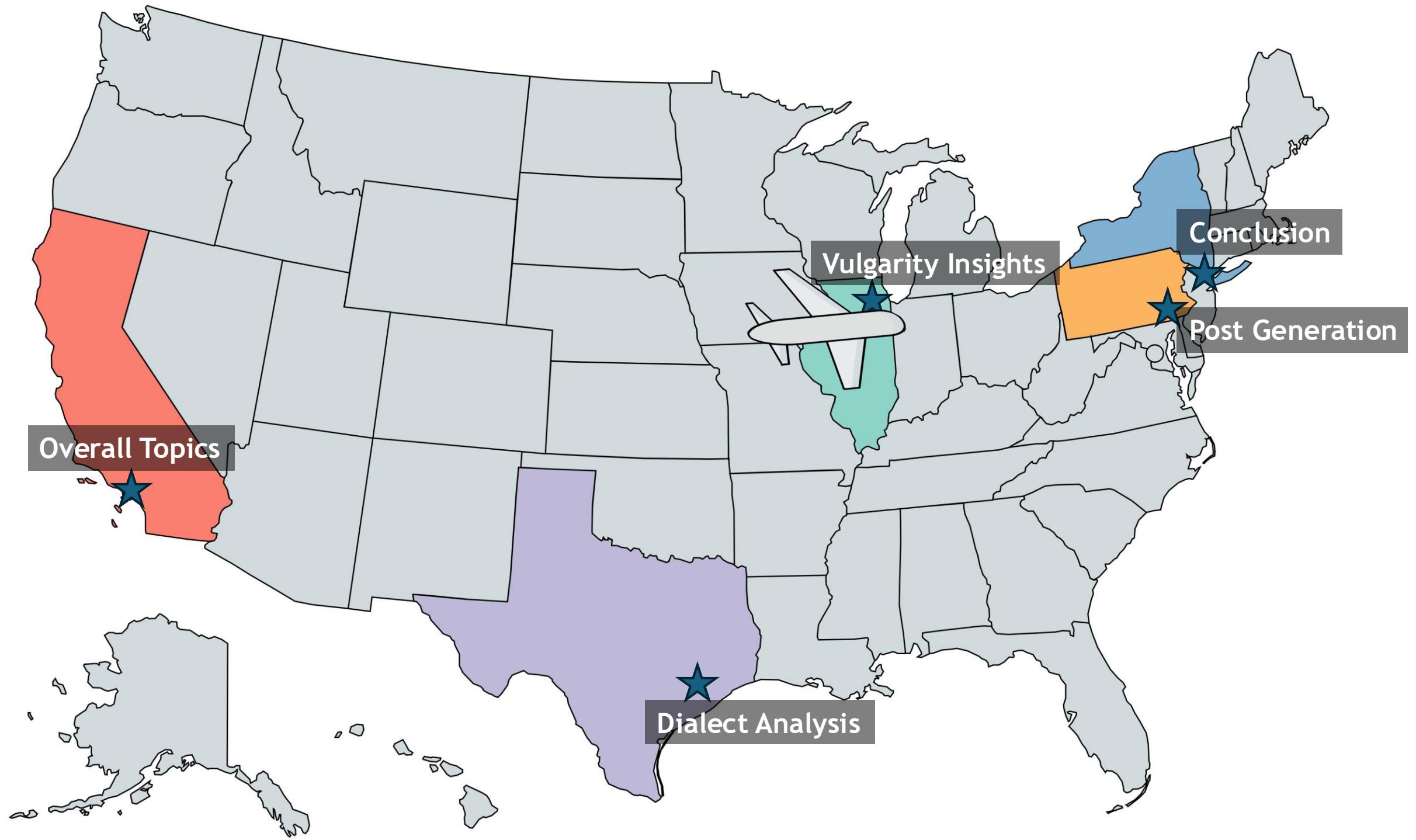
Vulgar Words per 100k Residents by City





# Vulgarity Insights







# Post Generation

## Character-based LSTM

### Chicago

- looking for genuine feedback on buying in the st. bernard pocket neighborhood **in englewood**
- i'm primarily nervous about the ability to sign a lease without proof of income, i do have cosigners but can't speak for my roommates. i have rises or reserved a parking space at **o'hare** from this

### Houston

- in houston but having trouble finding something awesome that is open **post-beryl** taking a dump on your city. i had planned to eat at **chopnblock** but they look out of commission. does anyone knows whats going on there/eta on being back? ps. im from new orleans, so **no cajun/creole**, please. otherwise, good food is

### Los Angeles

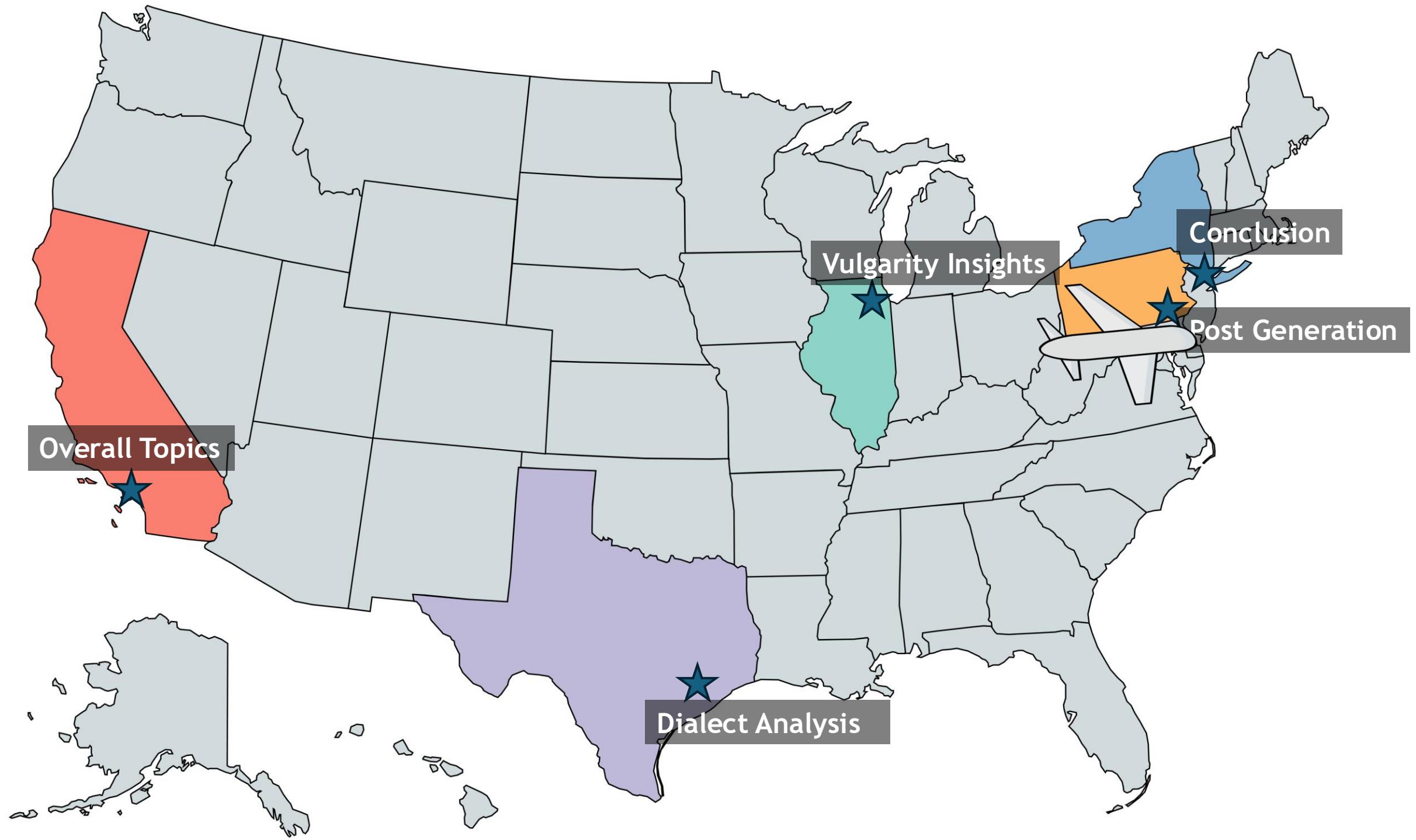
- but i'm wondering if **lax might be more strict** with issuing these passes? she is in her 80's and can walk ok, but we usually arrange wheelchair
- any advice on how you got into **usc**
- ive been a ballerina/contemporary dancer, got my degree in dance and got gigs for burlesque

### New York

- i tried scanning my **ballpark app ticket** and no credit towards payment occurred when checking out at the concession kiosk
- my pick would be freddie freeman replacing **carlos rodon**.
- the groom to be is a **pats fan (fuckin loser)**

### Philly

- looking for a roommate for a 2bed/2bath apartment in **chinatown a few blocks from reading terminal**.
- there is so much skill and talent within philadelphia, **the birthplace of graffiti**





# Conclusion

- Potential for using subreddit data for sociolinguistics, urban studies, and community insights
- Digital communities mirror real world cultural difference