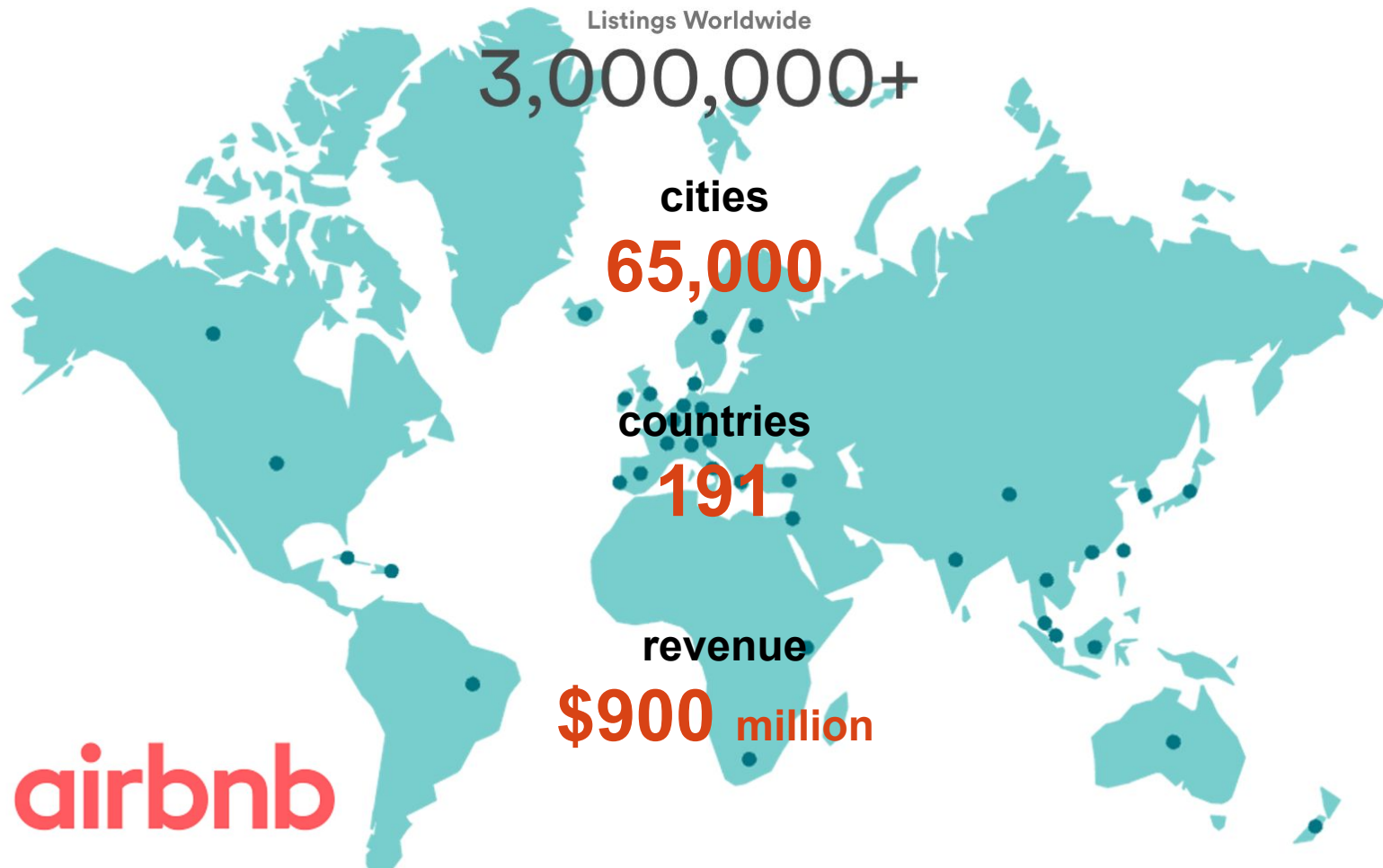


Text Analysis of Airbnb NYC Reviews

Keerthi Pamulaparthi

March 3, 2017



Listings Worldwide

3,000,000+

cities

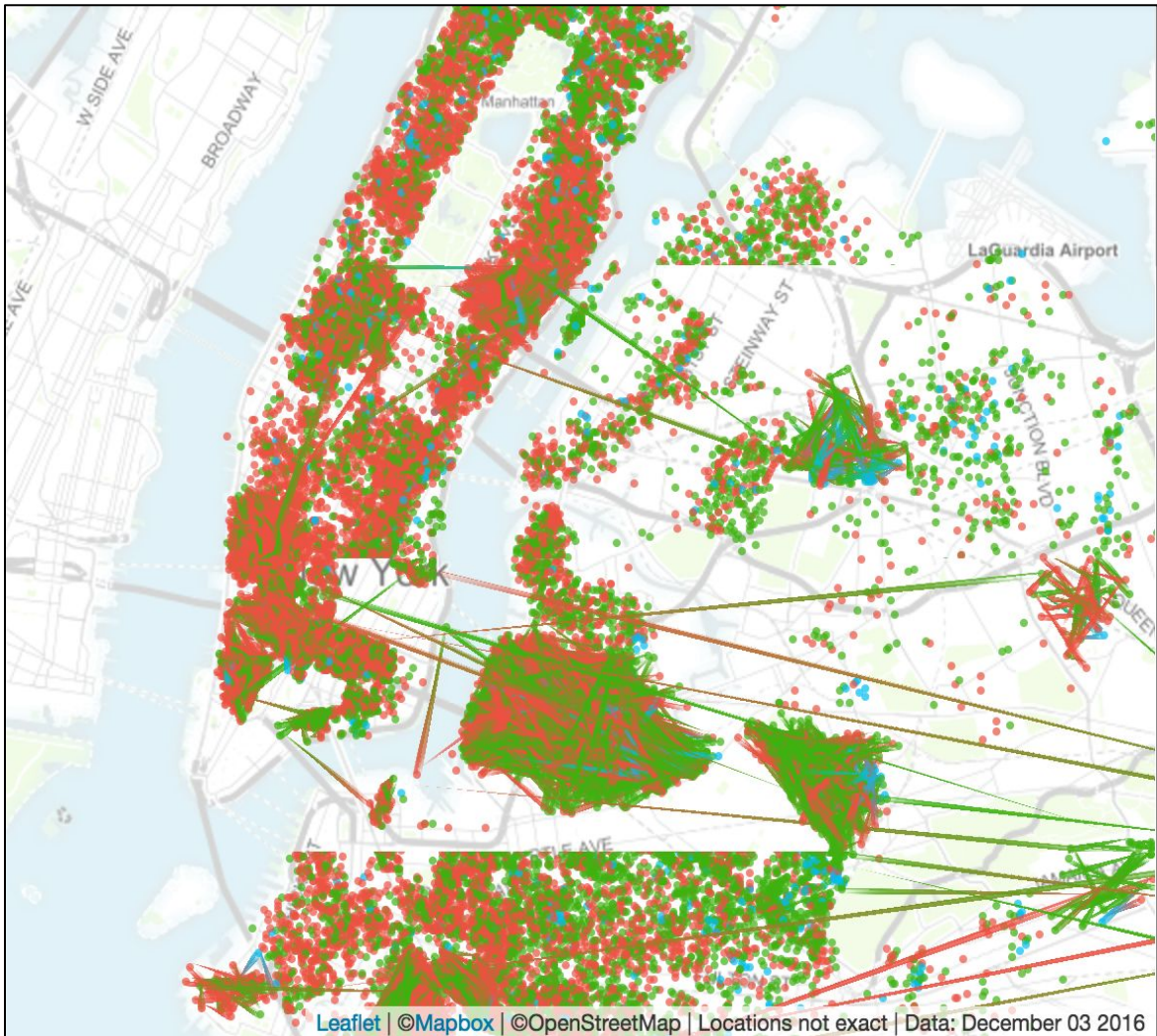
65,000

countries

191

revenue

\$900 million



in NYC

40, 227 listings

Inside Airbnb
Adding data to the debate

Objective

Return top listings to the user based on keywords

Data Set

Listings

486

Reviews

10000

Sentences

50247

Data Processing

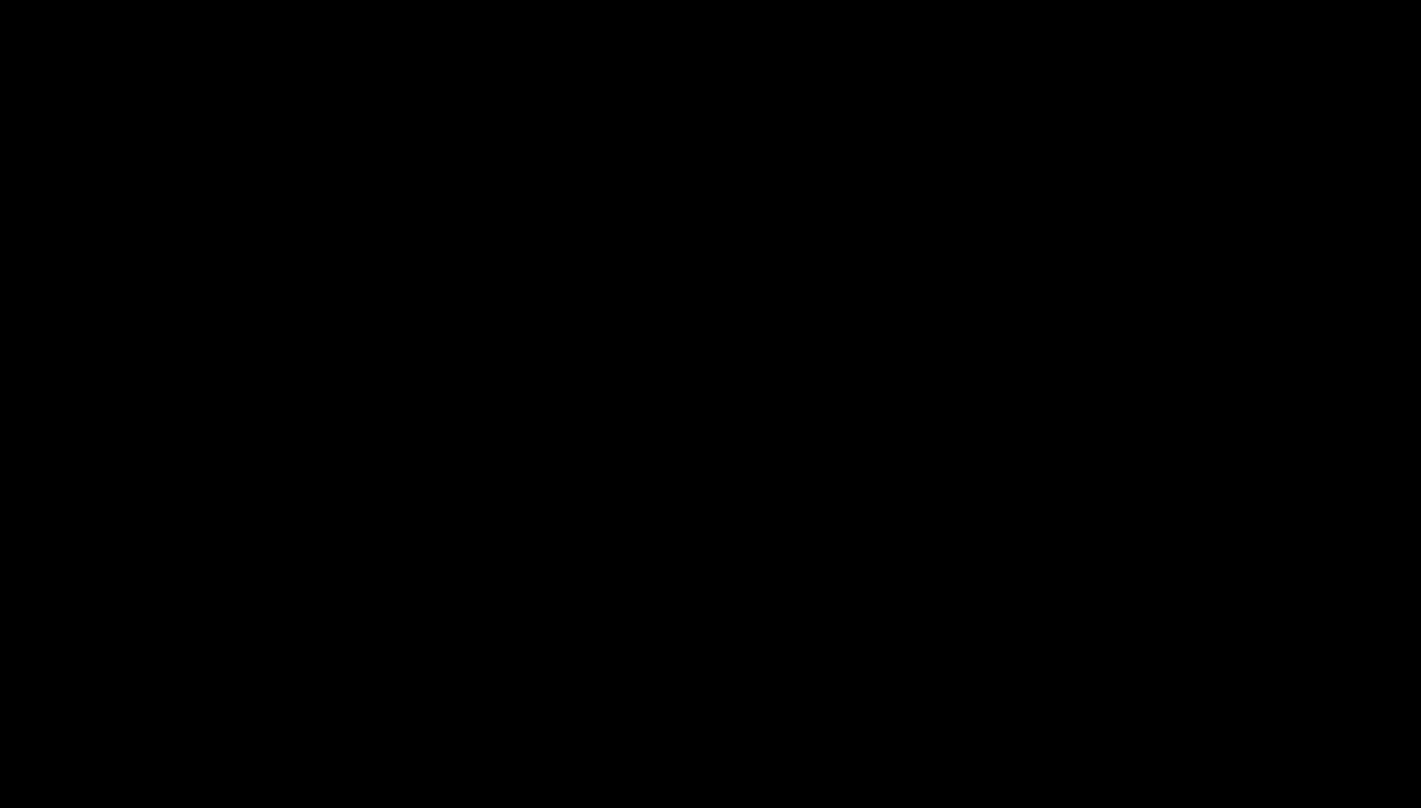
Topic Modeling

Keyword matching

Remove **stop words** using
NLTK

Get **topic** for each
sentence using
TFIDF, NMF

Get **Cosine Distance**
between keyword and
review and output using
Flask Application



Thank You

Questions?