Process Book - Group C
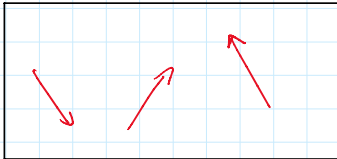# (Airline Travel)
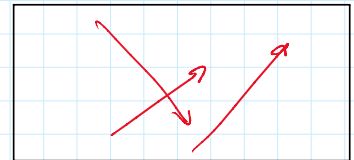
Spatial Network Graphs

Monthly Change
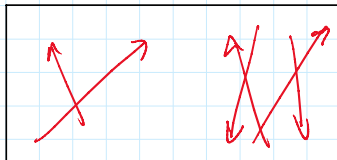Domestic Air Traffic Routes

Short Distance

- shows rate of change in monthly passenger volume by month
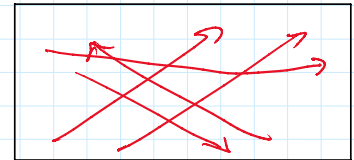
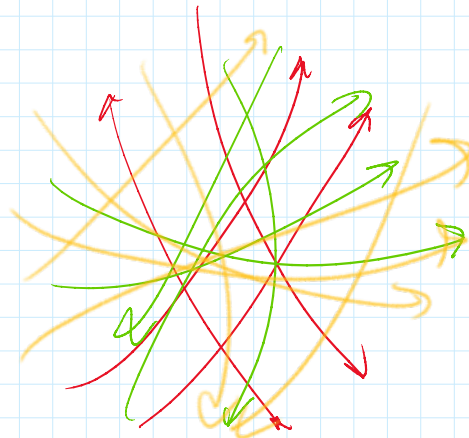L- Mid Distance

H- Mid Distance

Long Distance

Month

Changes in traffic between Cities by months

Select City

- Sorted by low to high volume traffic

- can sort by start and end month

Static Graphs

Passengers per month by airline

Airline
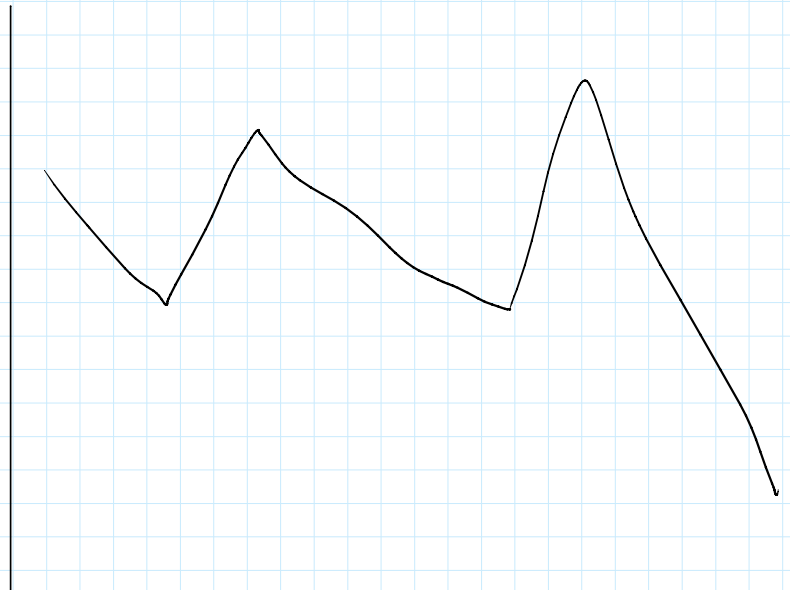Legend

number of passengers by month between destination

year

- can sum by
year and differentiate
by year slider

origin

- seperate by
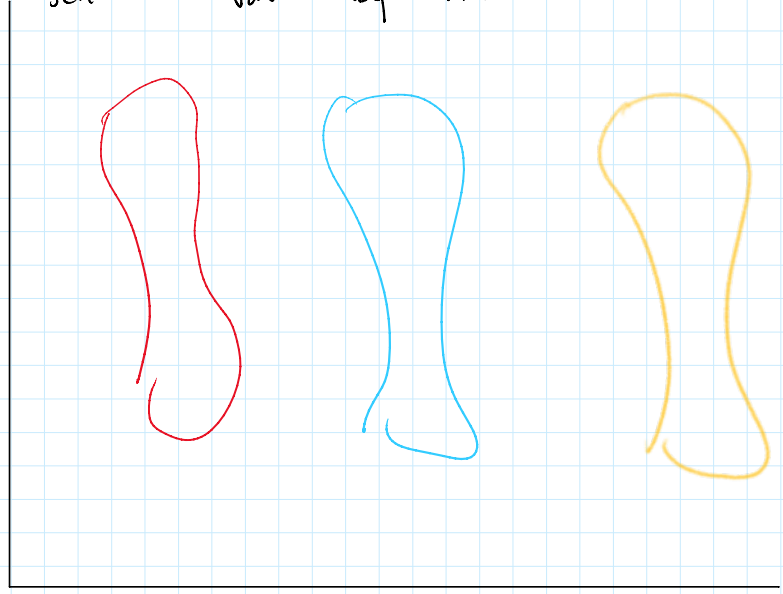origin and destination

destination

month

Text Analysis Graphs

Violin Plot of Sentiment Value by Airline

- use Afian lexicon

All data is sourced from the Twitter API using key-words relating to Airlines and Air Travel. After drawing data, Tweets are categorized based on which Airline is being addressed or is a main mention
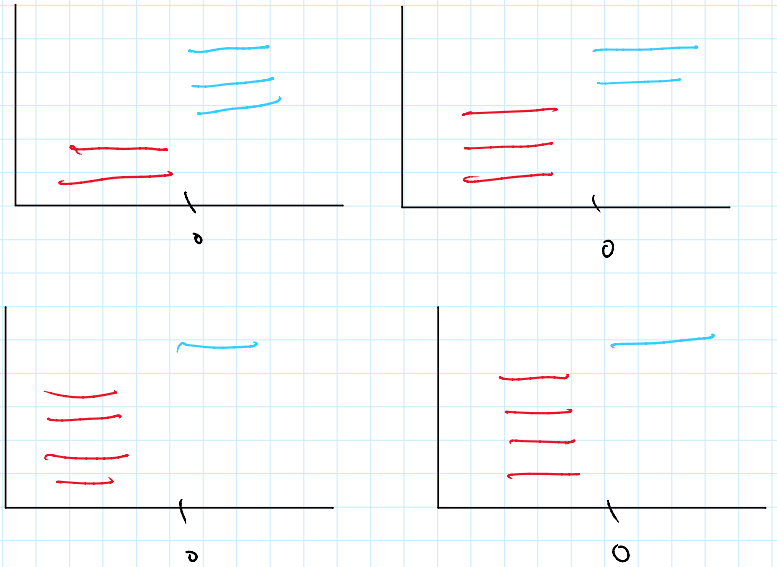
Sentiment

Airline

Afinn weighted by frequency of word
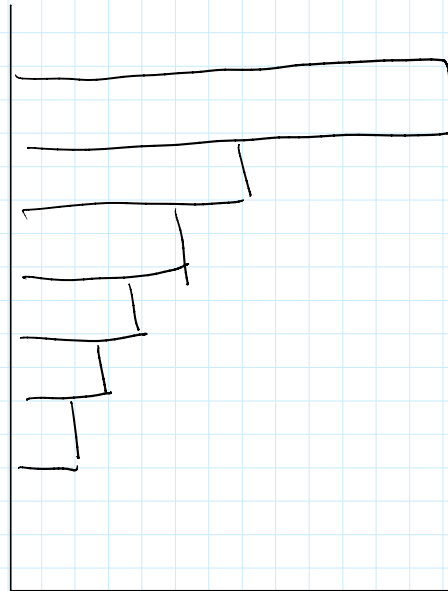
- takes top 5 by weighted Afinn by airline

Airlines

Words

NRC Lexicon by airline
– interactive?

emotion
spectrum

Frequency

Airline