

SOCIAL MEDIA ANALYTICS DURING CRISIS — SESSION II

ADVANCED ANALYTICS

AGENDA

SESSION I DATA ACQUISITION 1:15PM-3:00PM

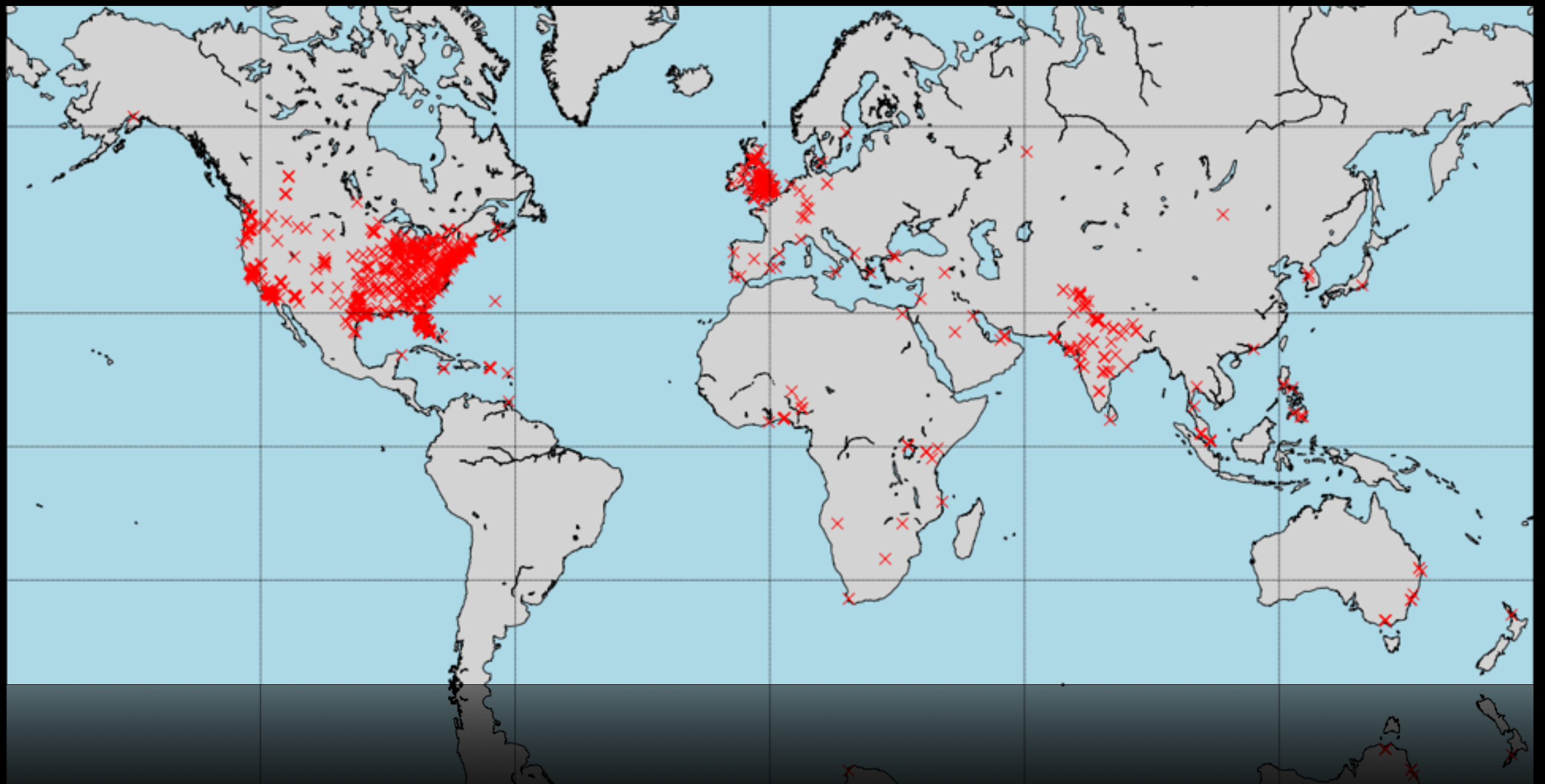
1. Jupyter Notebooks
2. Social media data sources
3. Parsing Twitter data
4. Frequency analysis

COFFEE BREAK
3:00PM-3:20PM

SESSION II ADVANCED ANALYSIS 3:20PM-4:30PM

5. Location analysis
6. Sentiment analysis
7. Other content analysis
8. Network analysis

LOCATION ANALYSIS



SENTIMENT ANALYSIS



OTHER CONTENT ANALYSIS

```
for (i, tokenList) in ldaTopics:
    print "Topic %d:" % i, ' '.join([pair[0] for pair in tokenList])
```

Topic 16: #brussels brussels metro airport station explosion #prayforbrussels eu amp reports

Topic 3: brussels #brussels airport explosions belgium #brusselsairport #brusselsattack safe facebook world

Topic 2: brussels #brussels amp airport explosions thoughts people explosion belgian concerned

Topic 10: #brussels brussels people explosions airport attacks #prayforbelgium metro thoughts #prayforbrussels

Topic 11: #brussels airport explosions #bruxelles brussels explosiones bruselas metro gt aeropuerto

Topic 15: #brussels brussels airport attacks metro explosions explosion #zaventem bbcbreaking dead

Topic 13: airport brussels metro #brussels news anyone explosiones sad love going

Topic 6: brussels #brussels airport explosion belgium dead breaking metro reports attack

Topic 7: #brussels brussels explosions airport explosion metro bruxelles belgian pas breaking

Topic 17: #brussels metro explosion brussels #bruxelles belgium dans thoughts bruxelles une

dpfz pluxellz lue

Topic 11: #brussels metro explosions brussels #bruxelles belgium dans thoughts bruxelles une

Topic 13: #brussels metro explosions brussels #bruxelles belgium dans thoughts bruxelles une

```
print "Most common from analyzer:"
for x in fd.most_common(20):
    print x[0], x[1]
```

Most common from analyzer:

#brussels 1538
brussels 1411
airport 1155
explosions 854
metro 612
explosion 431
people 304
attacks 298
station 280
belgium 268
explosiones 244
#zaventem 241
#bruxelles 230
belgian 219
breaking 204
attack 203
bruselas 200
thoughts 184
injured 184
#brusselsattack 176

#brusselsattack 176
injured 184

NETWORK ANALYSIS

