

IDEAS FOR CAPSTONE

A. Idea: "Linking Terrorist Groups to Terrorist Attack Methods and Severity", is an interesting story to investigate as it will enable counterterrorism agencies to know which ideologies are most likely responsible for a particular incident, and which groups are most dangerous (should be given priority in addressing).

Description: The purpose of this is to shed light on the more terrorism-involved ideologies, the groups partaking in acts of terror, and if possible there exists a correlation between group (ideology) and severity/nature of the attacks.

5-10 Questions:

1. Which groups have attacked the most since 1970s to today?
2. What countries have had the highest number of attacks since 1970s to today?
3. What is the predominant terrorist group ideology in that country (if documented)
4. What cities have had the highest number of attacks since 1970s?
5. What is the predominant terrorist group ideology in that city (if documented)
6. What type of attacks are most predominant per a certain group ideology? Eg "Nationalists predominantly have been found to bomb cars"
7. Is there a notable decline or increase in terrorist attacks worldwide since the 70s? (Adjust for population?)
8. Is there a notable decline or increase in terrorist attacks in the country that experienced the most terrorism since 70s.
9. Is there a notable decline or increase in terrorist attacks in the city that experienced most terrorism since 70s.
10. If so for 8 or 9, can we find any contributing factor in the data.

1. (var=gnameX) (var=iyear) (var=success)

Database: <https://www.start.umd.edu/gtd/>

B. Idea: An Analysis of Tourism Trends in EU countries over time.

Description: The purpose of this is to comparatively examine tourism patterns in 2 or more countries over time. The reason this would be valuable is for example the tourism industry would be interested in knowing what the

unique attraction of their region might be.

5-10 Questions:

1. What are the most popular European tourist destinations (countries) from 1990 to 2011?
2. What attractions are the primary ones in the most popular destinations?
3. Is there a growth or decrease in tourism in certain areas?
4. What factors are causing this growth/decrease in certain areas?
5. What are the demographics of the tourists interested in the most popular destinations?

Database: <http://ec.europa.eu/eurostat/data/database>
<http://ec.europa.eu/eurostat/estat-navtree-portlet-prod/BulkDownloadListing?sort=1&dir=%2Fdic>

C. Idea: Analysis of NYC Restaurant Inspections from 2014 to Present.

Description:

A look at health code compliance for NYC city restaurants for the last 3 years so as to gain a broad scale picture of the problem, including geographical concentrations of severity. This information would be valuable to understand and perhaps publicize for business accountability, but at the very least, to educate public health officials as to the types of offenses and severity for better remediation tactics.

5-10 Questions:

1. Are there certain locations (boros) that are worse than others?
2. Have the violations increased or decreased over time per boro or overall?
3. What factors might contribute to this increase or decrease?
4. What is the range of most violations per cuisine types to least?
5. Can we connect the reason for the violations prevalence to the area? (Eg restaurant owner poverty, large problem with rats). (Would mean another dataset)

Database: <https://data.cityofnewyork.us/Health/DOHMH-New-York-City-Restaurant-Inspection-Results/43nn-pn8j>

