B8IT107 Data Visualization and Communication - CA2 Project Proposal

Date: 24th March 2018

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**Preferred Project Title:** Factors affecting Live Register data in Ireland over the past 16 years.

**Data Sources:**

**CSO Live Register/Crime Data.**

<http://www.cso.ie/px/pxeirestat/Statire/SelectVarVal/Define.asp?maintable=LRM07&PLanguage=0>

**Eurostat Population Data**

<http://ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&language=en&pcode=tps00001&plugin=1>

**Eurostat Immigration Data**

<http://ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&language=en&pcode=tps00176&plugin=1>

**Data Treatment:**

1. Will need to grab population data since the Live Register data is a count not a percentage.
2. Will need to work at a county level.
3. Fix the county data back to 26 counties.

**Core Objectives:**

* Define what live register means.
* Live Register changes by age/by sex /by Time/by location.
* Is there a rural vs urban effect on live register?
* Net migration overlay with live register data.
* Other items of interest will be defined during data exploration stage.

**Alternate Project Title:** CO2 emission due to fuel consumption by Country & Region

**Data Sources:**

Enerdata <https://yearbook.enerdata.net/co2-fuel-combustion/CO2-emissions-data-from-fuel-combustion.html>

**Data Treatment:** Minimal treatment required-data is well treated.

**Core Objectives:**

* Visualize CO2 emission by different consumption type
* Trend this data over 25 year period.
* Review over 60 countries and regions.
* Understand CO2 intensity increase with GDP
* CO2 emissions by consumption style - ( which is the greatest generator)
* Compare CO2 emissions vs company/region strategy.

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**Alternate Project Title:** European/country comparison on key economic indicators.

**Data Sources:**

**Eurostat Population Data** <http://ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&language=en&pcode=tps00001&plugin=1>

**Eurostat Immigration Data** <http://ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&language=en&pcode=tps00176&plugin=1>

**Data Treatment:** Minimal treatment required-data is well treated.

**Core Objectives:**

* Immigration changes in to Europe during immigration crysis
* Understand population change in Europe over past 10 year
* Unemployment rate & Minimum wages
* GDP & Growth rate
* Government debt.