<u>**COMP 47350**</u> **Data Analytics: Project Description**

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<u>Project Name:</u> Demonstrating the importance of preserving green space in Dublin's South Inner City.

<u>Business/Problem Understanding</u>
Areas of the city with a lack of designated green space for sporting and recreational activity are at a disadvantage to other areas that have access to these facilities. This impact extends across a range of areas including crime, education, unemployment, health etc.

This appears to be especially prevalent in the South Inner City area of Dublin which is particularly deficient in quality green space for sporting and recreational activity.

It is expected that the analysis will demonstrate that the lack of appropriate green space for sporting and recreational activity is a contributory factor to higher crime rates, lower educational achievement and participation, higher levels of unemployment, health and obesity issues etc. in comparison to other areas which have good access to the required facilities.

The motivation behind this analysis is to be able to support a local hurling club in their application to Dublin City Council to obtain a designated green space for a sports pitch to be used by their club and their local community in Dublin's south inner city. An analysis and comparison of socio-economic data available for the south inner city and neighbouring areas will help to contribute to ensuring an improvement of facilities and quality of life in this densely populated area of Dublin City.

<u>Data Understanding</u> - required data
Resources and data on green spaces and sporting facilities:
- dublincity.ie - lists and maps all sporting facilities in Dublin
- The Liberties Greening Strategy
- Dublin City Development Plan

Data and statistics on areas of analysis:
- Crime and unemployment
  - CSO.ie provides quarterly statistics on these areas dating back a number of years
- Education and Unemployment
  - 2011 census - data is broken down into electoral constituencies
  - ESRI.ie - Economic and Social Research Institute
- Health data
  - irishheart.ie
  - WHO.net
  - Department of Health (health.gov.ie)
  - we still need more data on this aspect broken down by area of Dublin