# Bootcamp Project 1 – Proposal Group 8

## Title

Association between crime and property sales in suburban Melbourne

## Team Members

Jeremy Oliver (JO)

Robert Sammassimo (RS)

Hieu Nghia Doan (HND)

Andrew Fellowes (AF)

Kirandeep ? (K?)

## Project Description

We propose to merge two distinct datasets in order to ask how crime affects property values in the city of Melbourne.

## Research Questions to be asked

1. Is there an association between median property values and crime statistics in Melbourne suburbs?
2. What type of crimes affect property value the most/the least?
3. What are the top 5 / bottom 5 suburbs by median house price?
4. What crime types are seen in these suburbs?
5. What changes in crime have occurred over time and where has this occurred?

## Datasets to be used

<https://discover.data.vic.gov.au/dataset/data-tables-recorded-offences>

<https://www.land.vic.gov.au/valuations/resources-and-reports/property-sales-statistics>

## Tasks and assignee

1. Use pandas to clean and format datasets. (JO)
2. Create a Jupyter Notebook describing the data exploration and clean-up process. (RS)
3. Create a Jupyter Notebook illustrating the final data analysis. (HND)
4. Use Matplotlib to create 6-8 data visualisations. (AF)
5. Write up and summarise findings. (K?)
6. Create presentation