

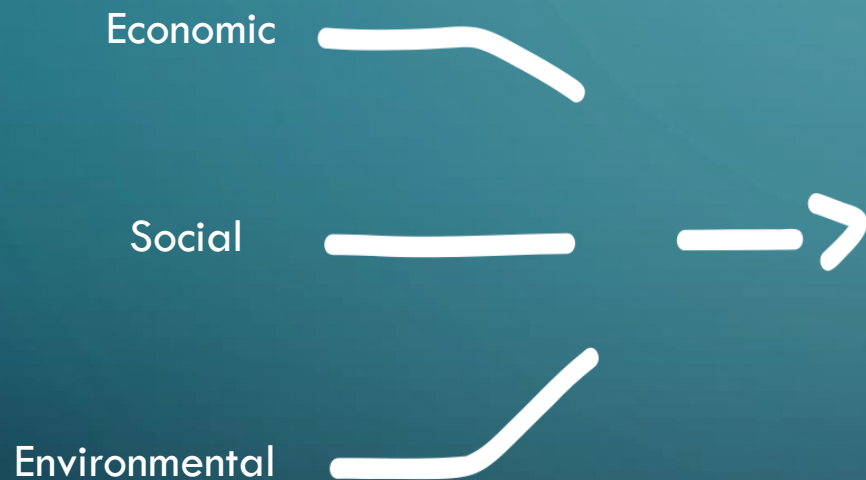
DATA422 GROUP PROJECT:

EXPLORING GEOGRAPHIC FACTORS THAT CORRELATE WITH HOUSE PRICES IN CANTERBURY

DATA WRANGLERS:

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MOTIVATION



**Understanding relationships
between geographic variables**

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DATA SOURCES





TECHNIQUES


DATA COLLECTION

- CSV files
- Web scraping

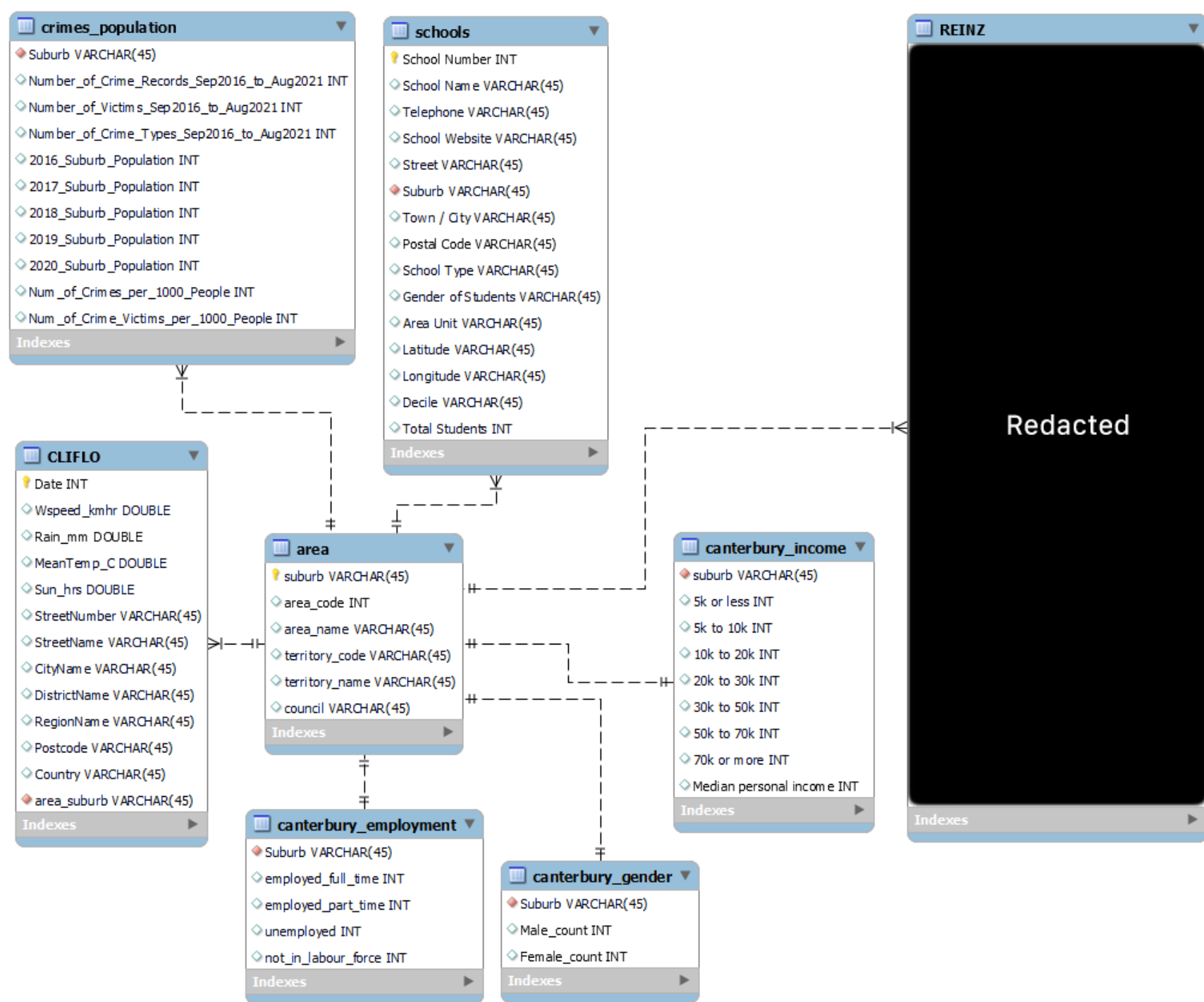
DATA CLEANING

- Remove columns
- Remove NA values

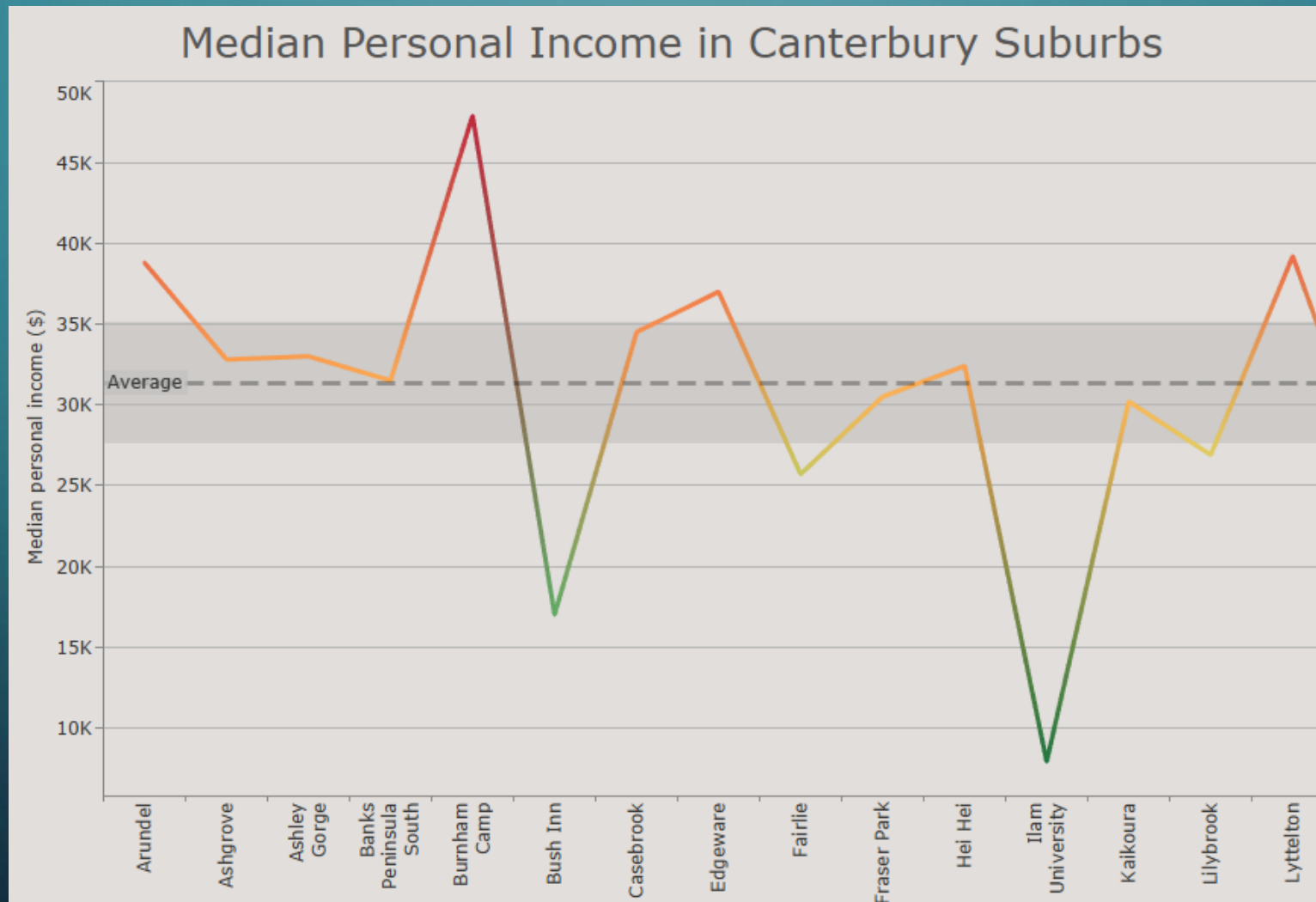
DATA STRUCTURE

- Transform data
 - Join dataframes
- 

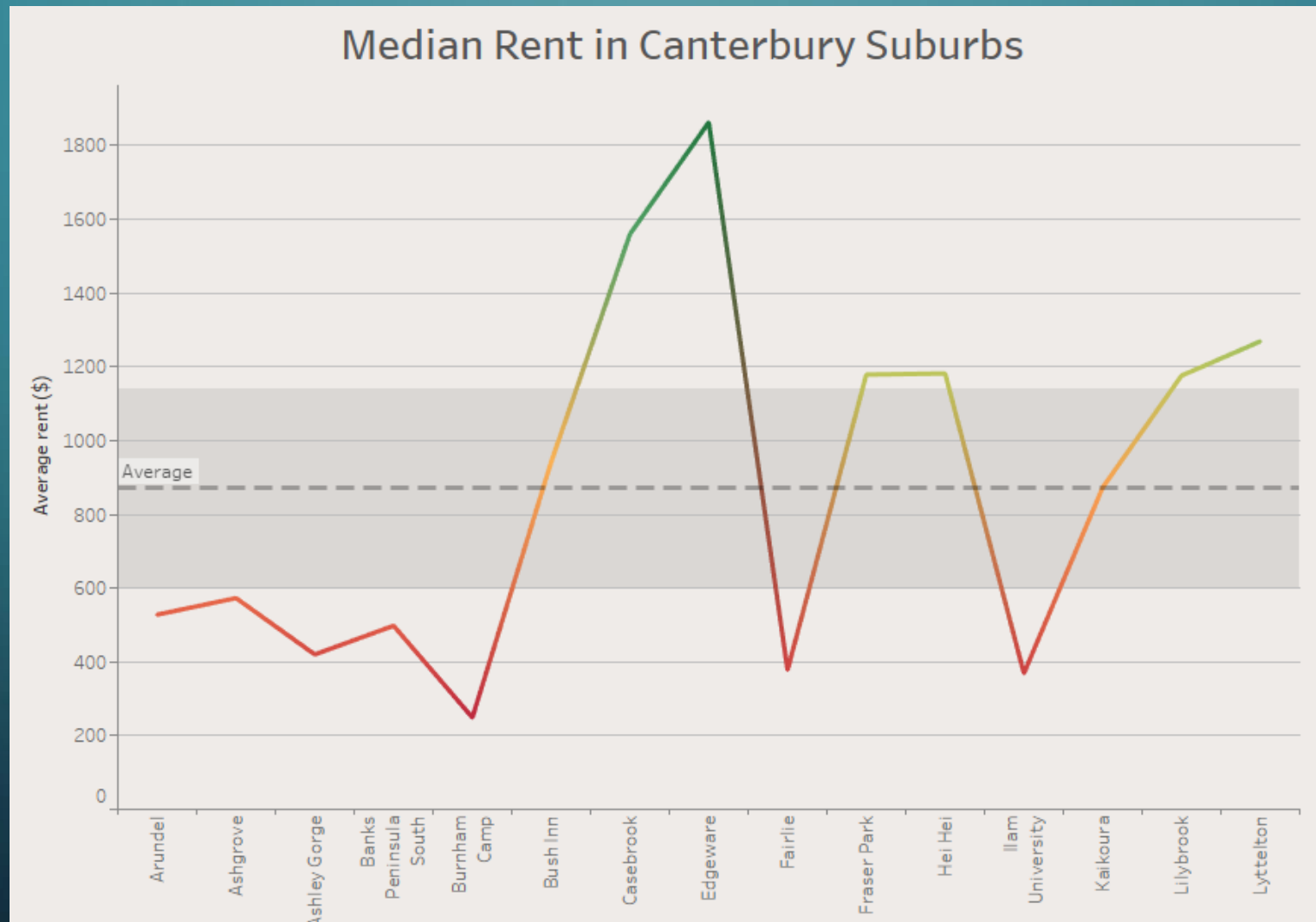
DATA MODEL



VISUALISATIONS





VISUALISATIONS





CHALLENGES AND LIMITATIONS

- Residential block naming structure
 - Ethics in selection of variables
- 
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PROJECT RESULTS

- Developed a dataset that contains a variety of suburban factors that may correlate with house prices
- Could assist in allocating home buyers to homes in suburbs that fit their means and requirements.