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Proposal:

* Get the perth house rental information from the Internet, one possible choice: https://www.realestate.com.au/rent
* Organize and clean the data.
* Find patterns using OLAP and data mining techniques.

Deliverables of Assignment 1:

* OLAP data warehouse
* Analysis of the dataset,including:
  + Relationship between the house location and rental;
  + Relationship between bedroom number and rental;
  + Property type: Apartment or House or Unit;
  + Bathroom number;
  + Car pooling;
  + Key words, including: air conditioning, floorboards, courtyard, Outdoor Entertaining Area, Shed, Fully Fenced, Balcony, Pool

Future Deliverables:

* A website for predicting house rental
* Future trend prediction and visualization