
Data mining with Azure ML - Group projects

You are an executive at a Melbourne real estate Ltd. Your boss is trying to be ahead of competition, thus he wants to create a model for real estate price prediction. Your proposal of using data mining is accepted, so you've decided to use Azure Machine Learning.



Group project

Separate data to 2 files:

- Data with property price (it will be used to train and test model)
- Data with empty price

You will mainly use data with property price (except when applying model).

Analyze the available data to gain insights into the following areas:

- To gain some basic insights we would like to provide some basic stats regarding your current data. Create a few pivot table reports.

After initial exploring data, your team has to continue analysis with Azure Machine Learning:

- Perform additional visual data exploration with Jupyter Notebook;
- Show properties on a Melbourne map (ggplot2+ggmap);
- Prepare data (cleaning, feature selection, ...);
- Use at least 3 different algorithms to train your model;
- Score and evaluate model and choose the best model;
- Create webservice;
- Use your model on "empty price" data;
- Report findings;