**Problem Statement 1**

Since its founding in 2008, Airbnb has been increasing and gwoing dramatically and has served more than 150 million guests through over 3 million listings in more than 190 countries in less than a decade. The main contributor for Airbnb’s success is through low costs and direct interaction with the local community that provides guests with unique stay experiences.

Price is often the key factors that impacts the clients’ select of lodgings and as part of the capstone project, I’m proposing to investigate factors that impact the Airbnb prices. Factors to be included in this analysis are location, star rating, number of rooms, amenities, key phrases in the Airbnb listing, reviews left by previous guests and occupancy rate.

Data sources

<http://insideairbnb.com/get-the-data.html> - Will only be looking in Sydney and Melbourne

**Problem Statement 2**

Using the loans prediction dataset to predict if a loan will get approved. From this analysis, we will be able to explore further which variables has the highest correlation on getting a loan approved.

**Problem Statement 3**

Using dataset from the Siam Text Mining competition held in 2007. The data comprises of aviation safety reports describing problems which occurred in certain flights.