Machine Learning on Airbnb New User Dataset

1. How do you frame your main question as a machine learning problem? Is it a supervised or unsupervised problem? If it is supervised, is it a regression or a classification?

   For the Airbnb dataset, I will be using basic user profile data to predict their country of destination. This is an unsupervised problem.

2. What are the main features (also called independent variables or predictors) that you'll use?

   The main features I will use are user's age, gender, and language.

3. Which machine learning technique will you use?

   As most of the attributes are categorical, I will be exploring three different machine learning model for this dataset: logistic regression, clustering, and decision trees.

4. How will you evaluate the success of your machine learning technique? What metric will you use?

   I will split the dataset to a training set and a testing set. I will compare the success by calculating the rate of correct predictions.