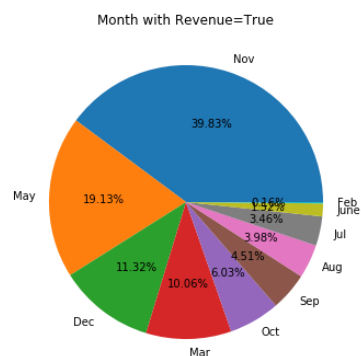
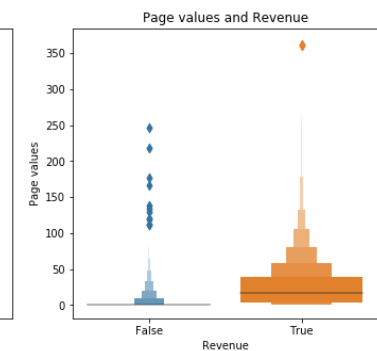
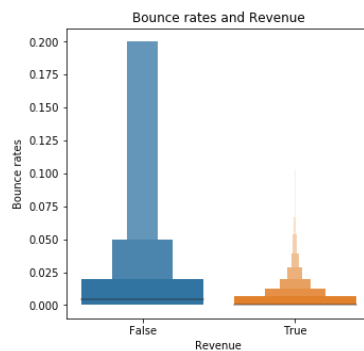
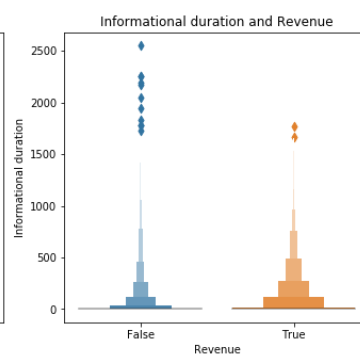
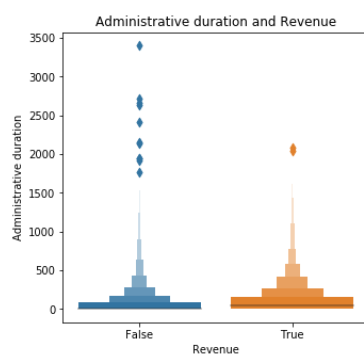
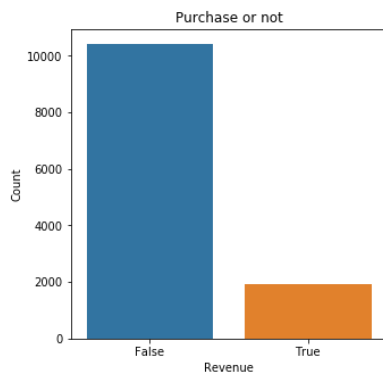
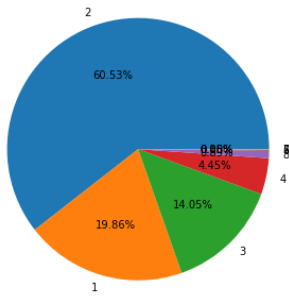


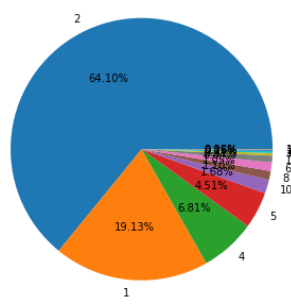
1. Choose a dataset from next page.
Online Shoppers Purchasing Intention Dataset
2. Analyze the data (statistics, correlation...).



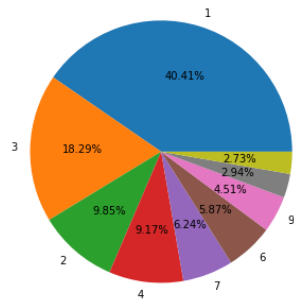
Operating systems with Revenue=True



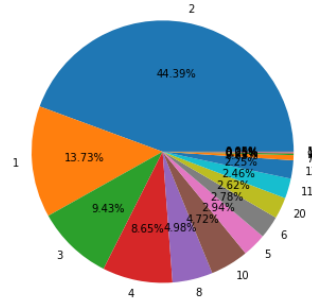
Browser with Revenue=True



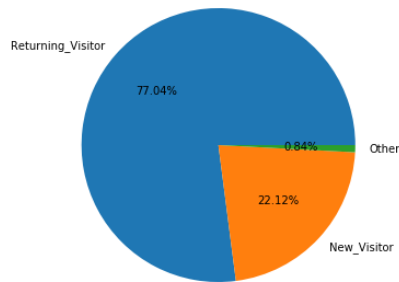
Region with Revenue=True



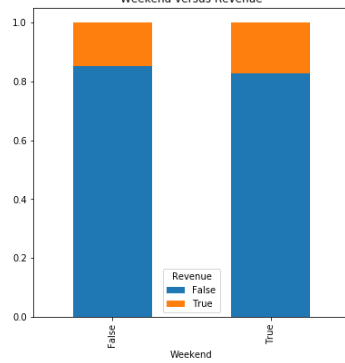
Traffic type with Revenue=True

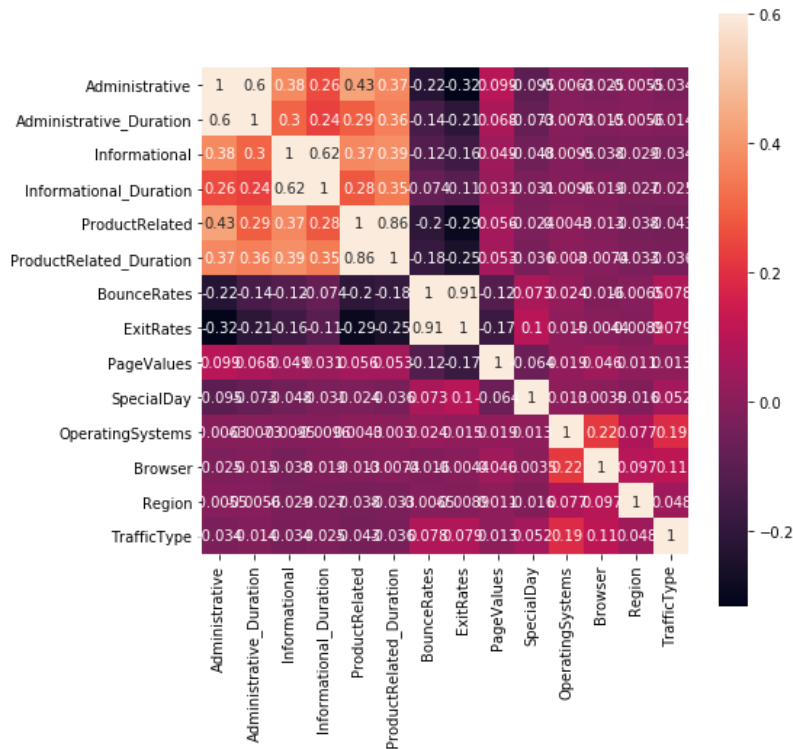


Visitor type with Revenue=True



Weekend versus Revenue





3. Define a reasonable problem (classification, regression, clustering...) and predict the results.

Use linear regression to predict whether the online shoppers will purchase the product or not.

4. Explain how you improved your results step-by-step.

- (1) First, preprocess the dataset. Manage categorical variables, such as 'Month', 'VisitorType', 'Weekend' and 'Revenue'.
- (2) Second, divide the dataset into training data and testing data.
- (3) Third, define predictor/independent and target/dependent variables.
- (4) Next, fit the model, predict class and probability.
- (5) Finally, evaluate the accuracy rate.