Use suitable data preprocessing methods including binning for numeric variables on  [dataset](https://northeastern.instructure.com/courses/194053/files/30014664/download)to prepare data for association rule mining.

Extract rules using all combination of the following hyper-parameters:

* min\_sup = [0.05, 0.1, 0.4]
* min\_conf= [0.70, 0.85, 0.95]
* min\_lift= [1.1, 1.5, 4]

Based on results, select a set of parameters which can extract 20 to 50 rules.

**Result:**

best\_min\_sup = 0.1

best\_min\_conf = 0.95

best\_min\_lift = 4

best\_num\_rows = 24

Process finished with exit code 0

