Input data

Experiments Type

Data Processing Choice

Data Processors

Modeling and Evaluating

CRISP-DM

Data

**Exploration
Preliminary
Baseline
Augmentation**

**Data Type
Data Transformation
Data Augmentation**

**Data Auditor
Data Cleaner
Feature selector**

**MLP
Decision Tree
Logistic Regression
Random Forest
XGBoost**

Best Classifier

User Custom

User Specified

User Specified

User Custom Configs

User Custom

Iterate through each combination

A General Architecture of the Automated Framework