Models and data specification for classification

Logistic:

* Encoding: one hot
* SMOTE: yes, including balanced
* Scaling: yes
* Binary drop: yes

Elastic net

* Encoding: one hot
* SMOTE: n/a
* Scaling: yes
* Binary drop: TBD

KNN:

* Encoding: one hot
* SMOTE: Yes
* Scaling: Yes
* Binary drop: Yes

Random forest:

* Encoding: Ordinal
* SMOTE: No
* Scaling: No
* Binary drop: n/a

XGBoost:

* Encoding: Ordinal
* SMOTE: No
* Scaling: No
* Binary drop: n/a

AdaBoost:

* Encoding: Ordinal
* SMOTE: No
* Scaling: No
* Binary drop: n/a

LightGBM:

* Encoding: Ordinal
* SMOTE: No
* Scaling: No
* Binary drop: n/a

CatBoost:

* Encoding: Ordinal
* SMOTE: No
* Scaling: No
* Binary drop: n/a

MLP:

* Encoding: One hot
* SMOTE: Yes
* Scaling: Yes
* Binary drop: Yes