1. What differences do function names `calculateMetrics` and `getMetrics` convey? When should you use each? [2pts]

“calculateMetrics” changes the internal property of the object and manipulate it

 “getMetrics” returns only properties of an object

If we want to manipulate the internal property of an object and implement certain function on the object, we will use calculateMetrics and if we just want to get the internal property of an object we use getMetrics

1. Describe the difference between estimators and predictors in the scikit-learn API. [2pts]

Estimator is the core interface of the scikit-learn and expose the fit method for all the learning algorithms. Predictor works on the model that is fitted through the transformer. The predict method of the predictor should be implemented on the fit model to be able to do the prediction.

1. What is meant by functions ideally having no side effects? Where could this go wrong? [1pt]

Trying to implement the functions so that they won’t change the object in an sneaky and unexpected way.