```
class base.Base
      + custom rcParams
      +
          init
               ()
      + plotting()
      + plot legend()
class traintest.OneHotEncoding
+ df nomiss cat
+ type
+ df nomiss cat
+ axs
    init__()
+ onehot_encoding()
+ create xy frames()
+ sample_imbalance()
+ split xtrain vtrain()
class decision tree.DecisionTree
+ df loan float
+ target
+ randomstate
+ x train
+ y train
+ axs
    init ()
+ dt_classification_fit()
+ dt_probability_prediction()
+ dt confusion matrix
plot()
+ plot dt()
+ pruning()
+ cross_validate_alphas()
+ ideal alpha()
+ dt pruned alpha()
+ dt_pruned_fit()
+ dt_pruned prediction()
+ dt pruned confmatrix()
+ dt pruned tree()
```