```
!pip install
git+https://github.com/Frankothe196/auto-sklearn.git@python3.10-added-compatibility

import sklearn.model_selection
import numpy as np
import pandas as pd
from sklearn.datasets import fetch_openml
import sklearn.metrics
from sklearn.ensemble import RandomForestClassifier
from sklearn.preprocessing import OneHotEncoder

X, y = fetch_openml(data_id=40691, as_frame=True, return_X_y=True)



X,y.info()
X,y.describe()

y_train.value_counts(normalize=True)
y_test.value_counts(normalize=True)
from imblearn.over_sampling import SMOTE
rng = np.random.RandomState(42)
X, y = make_classification(random_state=rng)
oversample=SMOTE()
X,y=oversample.fit_resample(X,y)
X_train, X_test, y_train, y_test = sklearn.model_selection.train_test_split(X, y,
random_state=42, stratify=y)
clf = RandomForestClassifier(random_state=42)
clf = clf.fit(X_train, y_train)
y_hat = clf.predict(X_test)
print("RF Accuracy", sklearn.metrics.accuracy_score(y_test, y_hat))
from autosklearn.classification import AutoSklearnClassifier

automl = AutoSklearnClassifier(time_left_for_this_task=300)
automl.fit(X_train, y_train)
y_hat = automl.predict(X_test)
print("AutoML Accuracy", sklearn.metrics.accuracy_score(y_test, y_hat))
```