autobotlib: A library for automatic text classification

Overview

$$F \in \mathbb{R}^{|D| \times d}$$

$$\mathcal{F} = \{F\}_{i=1}^{n}$$

$o(\mathcal{F})$

$s(\mathcal{F})$

G

D

$\mathcal{K}$

HOF

$\text{SOL}_{1\ldots|HOF|}$

$\mathcal{E}$

Representation similarity across tasks
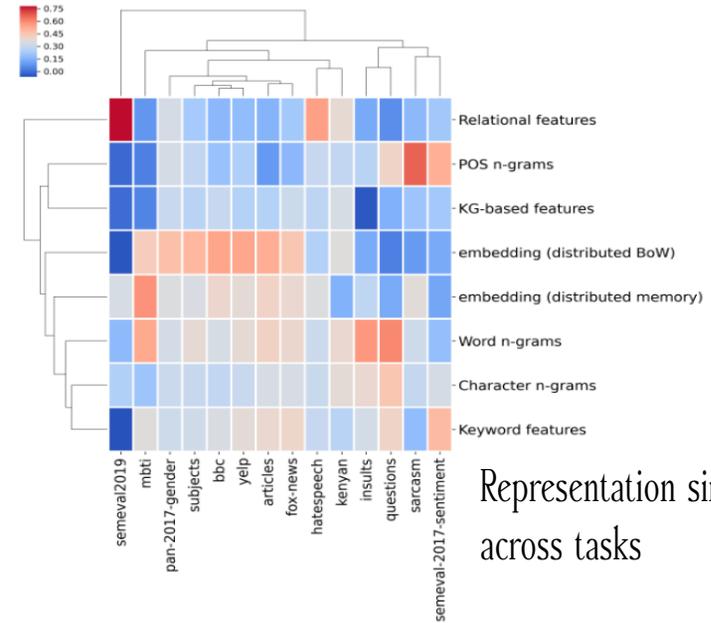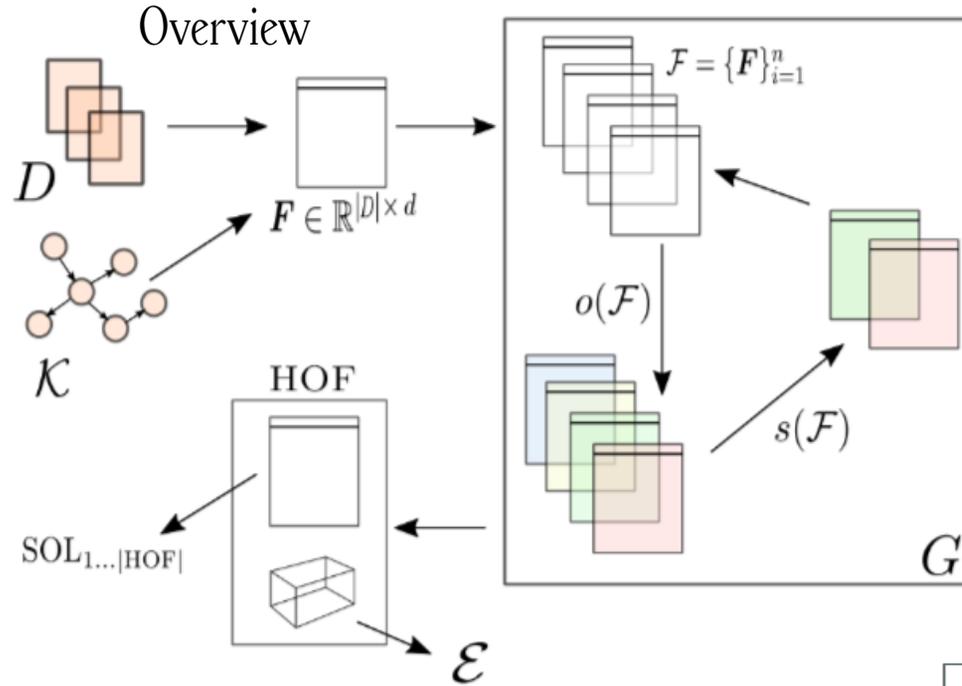

```python
import autoBOTLib
import pandas as pd

dataframe = pd.read_csv("train.tsv", sep="\t")
train_sequences = dataframe['texts']
train_targets = dataframe['labels']
autoBOTLibObj = autoBOTLib.GAlearner(train_sequences, train_targets).evolve()
dataframe2 = pd.read_csv("test.tsv", sep="\t")
test_sequences = dataframe2['texts']
predictions = autoBOTLibObj.predict(test_sequences)
```

https://github.com/SkBlaz/autoBOT
Blaž Škrlj and Nada Lavrač, Jožef Stefan Institute
TAILOR Project

DEPARTMENT OF KNOWLEDGE TECHNOLOGIES
Jožef Stefan Institute

TAILOR

Performance