Parameters

Table 1: Parameters in 'modeling.py'

	Argument	Description	Possible value / Notes
-w	-workdir	Working directory	NOT NULL
-d	-datadir	Data source	Will download sample files
			if no value passed
-l	-labelfile	Ground truth annotation file	
-i	-deid	Deidentification	T
-p	-parser	Using concept parser	ctakes
- q	-parserdir	Directory of cTAKES	
-S	-ctakessetup	Setting up cTAKES	Only for the first time user,
			need to pass the following
			four arguments too
-n	-utsname	UTS account	
-O	-utspw	UTS password	
- е	-ctakesminmem	Minimal cTAKES memory usage	2g
-g	-ctakesmaxmem	Maximal cTAKES memory usage	6g
-c	-convert	Convert cTAKES output XML	T
		files further processing	
-m	-model	Whether performing modeling	T
-f	-feature	Type of feature extraction	bow, snomed, umls, sg, st
			or any combination, e.g. bow_sg
$-\mathbf{V}$	$-{\rm vec_represent}$	Vector representation methods	freq, tfidf, pv
-a	-algorithm	Machine learning algorithms	11, 12, nb, svmlin,
			svmrbf, rf, adaboost, gbm
-b	-balancedclass	Whether using balanced class weight	balanced
-r	-repeat	Repeated cross validation	3
-k	-cv	n-fold cross validation	5
		(1 = no cross validation)	

Table 2: Parameters in 'predict.py'

	Argument	Description	Possible value / Notes
-d	-datadir	Data source	Will download sample files
			if no value passed
-p	-parser	Using concept parser	ctakes
-q	-parserdir	Directory of cTAKES	
-m	$- model_file$	The path directs to your model (.pkl)	

Footnote

The dataset used in this project was downloaded from iDASH repository (https://idash-data.ucsd.edu) supported by the National Institutes of Health through the NIH Roadmap for Medical Research, Grant U54HL108460.