Coding Guide for Labeling the Types of Packages

Theme	Sub Theme			Definition	Examples
NDR: non-domain related packages	Tools	Model Training	Simplification	The packages that aim to simplify the process of model training.	Time1ess/torchtools
			Parameter	The packages related to the parameters during model training.	Yelp/MOE
			Fairness	The packages related to evaluation the Fairness of model training.	algofairness/fairness-comparison
			Batch	The packages related to the batch during model training.	cirick/batching
			Acceleration	Aim to accelerate the training process.	dmlc/tvm
			Others	Other packages that related to model training.	/
		Experiment Result Analysis	Visualization	Packages aim to visualize the experiment result.	akimach/tfgraphviz
			Log	Record experiment logs.	mrahtz/easy-tf-log
		Model Conversion		Packages related to model conversion.	onnx/keras-onnx
		Deployment	Cloud	Cloud model deployment.	for-ai/cloud
			Web	Web model deployment.	iitzco/tfserve
			Others	Other packages that related to model deployment.	
		Testing		Packages related to the testing of DL model.	bethgelab/robust-vision-benchmark
		Interpretability		Packages related to the interpretability of DL model.	google-research-datasets/bim
		Model Pruning		Packages related to the model Pruning.	BenWhetton/keras-surgeon
		Encryption		Machine learning of encrypted data	mortendahl/tf-encrypted
		Model Comparison		Packages related to model comparison.	torch/baidu_ctc

		Model	A model is a file that has been trained to recognize certain types of patterns, usually applicable to certain type of tasks.	transformer/model
		Wrapper	A wrapper aims to provide a different way to use wrapped object, e.g., providing a simpler interface, or adding some functionality.	ctmakro/canton
		Framework	A framework is an ecosystem of tools and other resources that provide workflows with high-level APIs, which can help developers to build and deploy models.	delira-dev/delira
		Tutorial	Tutorial for DL.	jaidevd/kepler
DR: domain related packages	CV	Model	Model for CV.	big-data-lab-team/sam
		Framework	Framework for CV.	sanchit2843_image/classification
		Wrapper	Wrapper for CV model or framework.	faustomorales/keras-facenet
		Data Processing	Packages related to the data processing of CV.	alexmeinhold/mnist-parser
		Common Functionality	Common functionalities of CV model.	davidmascharka/detection-utils
	NLP	Model	Model for NLP.	snipsco/snips-nlu
		Framework	Framework for	naver/claf
		Data Processing	Packages related to the data processing of NLP.	roamanalytics/mittens
	RL	Model	Model for reinforcement learning.	DAI-Lab/TGAN
		Framework	Framework for reinforcement learning.	torchgan/torchgan
		Environment	Packages related to the reinforcement learning environment.	google-research/football
		Wrapper	Wrapper of reinforcement learning.	SwamyDev/reinforcement
	Physics	Model	Model for physics.	dfm/exoplanet

		Framework	Framework for physics.	azavea/raster-vision
		Model	Model for biology.	ganguli-lab/twpca
	Biology	Framework	Framework for biology	poldracklab/niworkflows
		Data Processing	Packages related to the data processing of Biology.	google/nucleus
	Audio	Model	Model for audio.	unixpickle/wavenet
		Framework	Framework for audio.	pytorch/audio
	Medicine	Model	Model for medicine.	BenevolentAI/guacamol
		Framework	Framework for medicine.	PrincetonUniversity/PsyNeuLink
	Multi-task Learning	Framework	Framework for multi—task learning.	ChristianSch/PyPythia
	Graph DL	Model	Model for graph DL.	mtiezzi/gnn
		Framework	Framework for graph DL.	dmlc/dgl
	Time Series	Model	Mode for Time Series.	CyberZHG/keras-self-attention
		Framework	Framework for Time Series.	ragulpr/wtte-rnn
	Automatic Testing	Tools	Tools for Automatic Testing.	uber/hypothesis-gufunc
	Transfer Learning	Model	Model for Transfer learning.	dominiek/transferflow
	Signal Processing	Model	Model for signal processing.	mikgroup/sigpy
	Geography	Wrapper	Wrapper for geography model or framework.	ustroetz/python-osrm
		Model	Model for geograpgh.	descarteslabs/descarteslabs-python