FLOW – 기존 학습시 과정

ModelManager

Tag, 기간, 파라미터 지정 후 strat training

Api_server/apis/routes/annoy.py

Request = TrainANNOY

Model = ANNOY(modelname = modelname)

Process(model_training)

Api_server/apis/multiproc/annoy.py

Model_training
save_json(save_model_info)
define_model()
모델 학습
get_scaler()
save_model, save_scaler()

Api_server/models/annoy.py

```python
class ANNOYModelParams(BaseModel):
    window_size: conint(ge=1, le=512) = 8
    scaler_type: ScalerType = Field(default=ScalerType.MinMaxScaler)
    distance_metric: DistanceMetric = Field(default=DistanceMetric.euclidean)
    n_nns: conint(ge=1) = 1
    n_trees: conint(ge=2, le=100) = 11
    n_undersampled_data: int


class TrainANNOY(BaseModel):
    tagnames: conlist(str, min_items=1, max_items=100)
    data_params: DataParamsMultipleDuration
    model_params: ANNOYModelParams
```

Model/prediction/annoy.py

ANNOY(PredictionBaseModel)

Define_model()

Model/prediction/base_model.py

Create_model_dir()

Path지정
Model_path = config("C:/ProgramData/GaonPlatform/Model_data")
Base_path = Model_path + model_key(model_name)
Save_json_path = base_path + model_key_info.json
Save_scaler_path = base_path + model_key_scaler.pkl
Save_model_path = base_path + model_key_확장자명

FLOW – Version추가 후 학습시 과정

ModelManager

Tag, 기간, 파라미터 지정 후 strat training

파라미터에 Version정보 추가

Api_server/apis/routes/annoy.py

Request = TrainANNOY

Model = ANNOY(modelname = modelname)

Process(model_training)

version = request.model_params.version
ANNOY(modelname, version)

Api_server/apis/multiproc/annoy.py

Model_training
save_json(save_model_info)
define_model()
모델 학습
get_scaler()
save_model, save_scaler()

Api_server/models/annoy.py

```
class ANNOYModelParams(BaseModel):
    window_size: conint(ge=1, le=512) = 8
    scaler_type: ScalerType = Field(default=ScalerType.MinMaxScaler)
    distance_metric: DistanceMetric = Field(default=DistanceMetric.euclidean)
    n_nns: conint(ge=1) = 1
    n_trees: conint(ge=2, le=100) = 11
    n_undersampled_data: int
    version : int = 1


class TrainANNOY(BaseModel):
    tagnames: conlist(str, min_items=1, max_items=100)
    data_params: DataParamsMultipleDuration
    model_params: ANNOYModelParams
```

Version : int =1 추가

Model/prediction/annoy.py

ANNOY(PredictionBaseModel)

Define_model()

Define_model()
self.model_version =
model_version 추가

Model/prediction/base_model.py

Create_model_dir(base_path)

Path지정
Model_path = config("C:/ProgramData/GaonPlatform/Model_data")
Base_path = Model_path + model_key(model_name)
Save_json_path = base_path + model_key_info.json
Save_scaler_path = base_path + model_key_scaler.pkl
Save_model_path = base_path + model_key_확장자명

Base_path =
Model_path + model_key + version