Team Members

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Notebook Information

Notebook Name	Tasks to refer
bt5151-gp-notebook1.ipynb	Tasks 1, Task 2, Task 3.4, Task 3.5.1 , Task 3.5.3 (Model Training) , Task 5 (Strategy 1 and 2)
bt5151-gp-notebook Task3.5_3.9.ipynb	Task 3.5.3 , Task 3.6, Task 3.7, Task 3.8, Task 3.9
IV_RandomForest_5151_FinalProject.ipynb	Task 4

Google drive link reference:
https://drive.google.com/drive/folders/1auofhUEzlLPf_SAgoB3js9XFvw4UC89F?usp=share_link

Note: Python scripts are attached in the python_script folder. Different scripts is run in SoC cluster for model training, evaluations and hyperparameter tuning.

Notebook Viewing Sequence

1) Tasks 1, Task 2, Task 3.4, Task 3.5.1 , Task 3.5.3 (Model Training) /- bt5151-gp-notebook1.ipynb

   For model training (**Please refer to `learn_multitask.py` for working code on Task 3.1 and Task 3.2**)

   (Task 3.5.3 Neural Multi Task Learning model training and evaluation and retraining with best lambda parameters also on `multitask_hydra.py` for working code)

   (Please see `multitask_hydra_bo.py` for the working training script used for hyperparameter tuning to optimize lambda 1 ,2 metrics)

2) Task 3.5.3 , Task 3.6, Task 3.7, Task 3.8, Task 3.9 /- bt5151-gp-notebook Task3.5_3.9.ipynb

3) Task 4 /- IV_RandomForest_5151_FinalProject.ipynb

4) Task 5 / - bt5151-gp-notebook1.ipynb

(Please refer to `strat1_trainer.py` for the working training script used) – Strategy 1
Strategy 2 is in the bt5151-gp-notebook1.ipynb

The notebooks could not be converted in to HTML , so we are attaching the PDF versions of the notebook.