

PYTHON SCRIPTING and Moduling

Main Dir.

Perception.ipynb
Terminal → Git bash

→ git init

→ touch .gitignore

→ touch README.md

→ make virtual env

→ make req.txt

→ mkdir Research-notebooks

→ mv Perception.ipynb Research-notebooks/

→ ~~mkdir~~ mkdir utils

→ touch --init--.py

→ ~~mv --init--.py~~

→ mv --init--.py utils/

(*) Always advisable to do atomic
commits and use messages (from Source Control)

Perception.ipynb + .gitignore

First
Commit

req.txt

→ requirements
added

Readme.md

→ Readme added

utils

→ utils package created

in

- touch or.py
- touch utils/all-utils.py
- touch ~~model~~ utils/model.py
- Copy Perceptron class from the notebook into model.py (commit)

(*) While doing stuff, if new modules are required then add em to req.txt then commit it separately from Source Control and give meaningful messages like "req.txt modified"

→ Copy the functions prepare-data() and save-plot(-) from the notebook into all-utils.py and commit.

→ Copy the or model fitting code into or.py

~~(*) import~~

(*) from utils.all-utils import prepare-data

(*) from utils.model import Perceptron