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Subject : Machine Learning Process – 1  
Tugas : Exercise 1

Jawaban :

1. ML type = Supervised, Classification, Binary
2. Screenshoot :

```
tanaka@HT: ~/ml_project  
tanaka@HT:~$ mkdir ml_project  
tanaka@HT:~$ cd ml_project  
tanaka@HT:~/ml_project$ python3 -m venv venv_exercise1  
tanaka@HT:~/ml_project$ source venv_exercise1/bin/activate  
(venv_exercise1) tanaka@HT:~/ml_project$ pip list  
Package          Version  
-----  
pip               20.0.2  
pkg-resources     0.0.0  
setuptools        44.0.0  
(venv_exercise1) tanaka@HT:~/ml_project$ pip install --upgrade pip  
Collecting pip  
  Using cached pip-22.3-py3-none-any.whl (2.1 MB)  
Installing collected packages: pip  
  Attempting uninstall: pip  
    Found existing installation: pip 20.0.2  
    Uninstalling pip-20.0.2:  
      Successfully uninstalled pip-20.0.2  
Successfully installed pip-22.3  
(venv_exercise1) tanaka@HT:~/ml_project$ pip list  
Package          Version  
-----  
pip               22.3  
pkg_resources     0.0.0  
setuptools        44.0.0  
(venv_exercise1) tanaka@HT:~/ml_project$
```

- 3.

```
(venv_exercise1) tanaka@HT:~/ml_project$ git --version  
git version 2.25.1  
(venv_exercise1) tanaka@HT:~/ml_project$ git init  
Initialized empty Git repository in /home/tanaka/ml_project/.git/  
(venv_exercise1) tanaka@HT:~/ml_project$ ls  
data docs models notebooks references reports src venv_exercise1  
(venv_exercise1) tanaka@HT:~/ml_project$
```

```

ML_PROJECT [WSL: UBUNTU]
├── data
│   ├── processed
│   └── raw
├── docs
├── models
├── notebooks
├── references
├── reports/figures
├── src
│   ├── api
│   ├── data
│   ├── features
│   ├── models
│   └── test
├── venv_exercise1
│   ├── bin
│   ├── include
│   ├── lib
│   ├── lib64
│   ├── share
│   └── pyvenv.cfg
└── .gitignore

102 #poetry.lock
103
104 # pdm
105 # Similar to Pipfile.lock, it is generally recommended to include pdm.lock in version control.
106 #pdm.lock
107 # pdm stores project-wide configurations in .pdm.toml, but it is recommended to not include it
108 # in version control.
109 # https://pdm.fming.dev/#use-with-ide
110 .pdm.toml
111
112 # PEP 582; used by e.g. github.com/David-OConnor/pyflow and github.com/pdm-project/pdm
113 __pypackages__
114
115 # Celery stuff
116 celerybeat-schedule
117 celerybeat.pid
118
119 # SageMath parsed files
120 *.sage.py
121
122 # Environments
123 .env
124 .venv
125 env/
126 venv/
127 venv_exercise1/
128 ENV/
129 env.bak/
130 venv.bak/
131
132 # Spyder project settings
133 .spyderproject
134 .spyproject
135
136 # Rope project settings
137 .ropeproject
138

> OUTLINE
> TIMELINE

(venv_exercise1) tanaka@HT:~/ml_project$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .gitignore

nothing added to commit but untracked files present (use "git add" to track)

```

4. (venv\_exercise1) tanaka@HT:~/ml\_project\$ git config user.email "hendrik.tanaka@gmail.com"
- (venv\_exercise1) tanaka@HT:~/ml\_project\$ git config user.name "hendrikt1479"

```

(venv_exercise1) tanaka@HT:~/ml_project$ git add .
(venv_exercise1) tanaka@HT:~/ml_project$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   .gitignore
    new file:   data/processed/__init__.py
    new file:   data/raw/__init__.py
    new file:   docs/__init__.py
    new file:   models/__init__.py
    new file:   notebooks/__init__.py
    new file:   references/__init__.py
    new file:   reports/__init__.py
    new file:   reports/figures/__init__.py
    new file:   src/__init__.py

(venv_exercise1) tanaka@HT:~/ml_project$ git commit -m "initial commit"
[master (root-commit) f2eef1f] initial commit
10 files changed, 161 insertions(+)
create mode 100644 .gitignore
create mode 100644 data/processed/__init__.py
create mode 100644 data/raw/__init__.py
create mode 100644 docs/__init__.py
(venv_exercise1) tanaka@HT:~/ml_project$
create mode 100644 notebooks/__init__.py
create mode 100644 references/__init__.py
create mode 100644 reports/__init__.py
create mode 100644 reports/figures/__init__.py
create mode 100644 src/__init__.py
(venv_exercise1) tanaka@HT:~/ml_project$ git status
On branch master

nothing to commit, working tree clean

```

5. nothing to commit, working tree clean

