



Section 6: All Notes

Section 6.2 Notes	1
Commands	1
References	1
Section 6.3 Notes	2
Commands	2
Section 6.4 Notes	2
Commands	2
References	2
Section 6.5 Notes	3
Commands	3
Section 6.6 Notes	3
Commands	3
Section 6.7 Notes	3
Commands	3
References	3
Section 6.8 Notes	4
Commands	4
References	4

Section 6.2 Notes

Commands

Navigate to the regression_model package then:

```
tox
```

References

On Python package structure:



Deployment of Machine Learning Models

<https://docs.python-guide.org/writing/structure/>

<https://github.com/navdeep-G/samplemod>

<https://github.com/pyscaffold/pyscaffold>

<https://realpython.com/python-application-layouts/#installable-single-package>

What is `__init__.py`

<https://stackoverflow.com/questions/448271/what-is-init-py-for>

Section 6.3 Notes

Commands

Navigate to the `regression_model` package then:

```
tox
```

Section 6.4 Notes

Commands

Navigate to the `regression_model` package then:

```
tox -r
```

References

Tox recreate: <https://tox.readthedocs.io/en/latest/config.html#cmdoption-tox-r>

Pytest documentation:

<https://docs.pytest.org/en/latest/>

Understanding the risks of pickles:

<https://www.youtube.com/watch?v=7KnfGDajDQw>



Deployment of Machine Learning Models

Section 6.5 Notes

Commands

Navigate to the regression_model package then:

```
tox
```

Section 6.6 Notes

Commands

Navigate to the regression_model package then:

```
tox
```

Section 6.7 Notes

Commands

Navigate to the regression_model package then:

```
tox
```

References

Semantic Versioning

<https://semver.org/>

The `__name__` special variable

<https://www.tutorialspoint.com/name-a-special-variable-in-python>

Options for versioning your Python packages

<https://packaging.python.org/guides/single-sourcing-package-version/>

Python logging module documentation

<https://docs.python.org/3/library/logging.html>



Deployment of Machine Learning Models

Section 6.8 Notes

Commands

Navigate to the regression_model package then:

```
tox -e install_locally
```

Then:

Installing the package locally

Windows

```
pip -e {path_to_cloned_repo}\packages\regression_model
```

OS X / Linux

```
pip -e {path_to_cloned_repo}/packages/regression_model
```

References

Python Packaging User Guide (this is extremely useful):

<https://packaging.python.org/>

Nice talk on Python packaging and the history of PyPI:

“Inside the Cheeseshop: How Python Packaging Works” by Dustin Ingram

<https://www.youtube.com/watch?v=na0hQl5Ep5E>

Setuptools documentation:

<https://setuptools.readthedocs.io/en/latest/>

Wheel documentation:

<https://wheel.readthedocs.io/en/stable/>