



Deployment of Machine Learning Models

Section 7.2 Notes

Commands

Ensure that when running the commands throughout section 7 that your ml_api directory is on your PYTHONPATH.

Install requirements (be sure to update the requirements file with the correct path to your local regression model package, and review section 6.8 where we built the package)

(Windows)

```
pip install -r packages\ml_api\requirements.txt
```

(OS X / Linux)

```
pip install -r packages/ml_api/requirements.txt
```

Set the flask app environment variable (used by Flask), and start Flask: cd into packages\ml_api then:

(Windows)

```
SET FLASK_APP=run
python run.py
OR
flask run
```

(OS X / Linux)

```
export FLASK_APP=run
python run.py
OR
flask run
```

You should now be able to open <http://127.0.0.1:5000/health> on your machine.

Links

Installing locally with pip -e:

https://pip.pypa.io/en/stable/reference/pip_wheel/?highlight=e#cmdoption-e



Deployment of Machine Learning Models

Flask docs on FLASK_APP: <http://flask.pocoo.org/docs/1.0/cli/>

Extract:

“The `flask` command is installed by Flask, not your application; it must be told where to find your application in order to use it. The `FLASK_APP` environment variable is used to specify how to load the application.”