

## Task 2 - Run a Container & Make a Prediction

22 November 2022 07:59

bash - "ip-172-31-90-77.e x



```
(.devops) voclabs:~/environment/operationalise-ML (main) $ docker image list
REPOSITORY          TAG          IMAGE ID      CREATED        SIZE
udaprojml           latest       55537e0ed73f  3 minutes ago  1.33GB
gcr.io/k8s-minikube/kicbase  v0.0.36     866c1fe4e3f2  3 weeks ago   1.11GB
python              3.7.3-stretch 34a518642c76  3 years ago   929MB
(.devops) voclabs:~/environment/operationalise-ML (main) $
```

```
(.devops) voclabs:~/environment/operationalise-ML (main) $ docker run -p 8000:80 udaprojml
* Serving Flask app "app" (lazy loading)
* Environment: production
  WARNING: Do not use the development server in a production environment.
  Use a production WSGI server instead.
* Debug mode: on
* Running on http://0.0.0.0:80/ (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active!
* Debugger PIN: 316-733-225
```

```
(.devops) voclabs:~/environment/operationalise-ML (main) $ curl localhost:8000
<h3>Sklearn Prediction Home</h3>(.devops) voclabs:~/environment/operationalise-ML (main) $
```

```
* Debugger is active!
* Debugger PIN: 316-733-225
172.17.0.1 - - [22/Nov/2022 05:29:06] "GET / HTTP/1.1" 200 -
172.17.0.1 - - [22/Nov/2022 05:29:15] "GET / HTTP/1.1" 200 -
```

```
(.devops) voclabs:~/environment/operationalise-ML (main) $ sudo ./make_prediction.sh
Port: 8000
{
  "prediction": [
    20.35373177134412
  ]
}
(.devops) voclabs:~/environment/operationalise-ML (main) $
```

```

[2022-11-22 05:38:40,236] INFO in app: JSON payload:
{'CHAS': {'0': 0}, 'RM': {'0': 6.575}, 'TAX': {'0': 296.0}, 'PTRATIO': {'0': 15.3}, 'B': {'0': 396.9}, 'LSTAT': {'0': 4.98}}
[2022-11-22 05:38:40,253] INFO in app: Inference payload DataFrame:
  CHAS    RM    TAX  PTRATIO    B  LSTAT
0     0  6.575  296.0    15.3  396.9   4.98
[2022-11-22 05:38:40,264] INFO in app: Scaling Payload:
  CHAS    RM    TAX  PTRATIO    B  LSTAT
0     0  6.575  296.0    15.3  396.9   4.98
172.17.0.1 - - [22/Nov/2022 05:38:40] "POST /predict HTTP/1.1" 200 -
[2022-11-22 05:39:02,163] INFO in app: JSON payload:
{'CHAS': {'0': 0}, 'RM': {'0': 6.575}, 'TAX': {'0': 296.0}, 'PTRATIO': {'0': 15.3}, 'B': {'0': 396.9}, 'LSTAT': {'0': 4.98}}
[2022-11-22 05:39:02,229] INFO in app: Inference payload DataFrame:
  CHAS    RM    TAX  PTRATIO    B  LSTAT
0     0  6.575  296.0    15.3  396.9   4.98
[2022-11-22 05:39:02,285] INFO in app: Scaling Payload:
  CHAS    RM    TAX  PTRATIO    B  LSTAT
0     0  6.575  296.0    15.3  396.9   4.98
172.17.0.1 - - [22/Nov/2022 05:39:02] "POST /predict HTTP/1.1" 200 -

```