

UBDA Python Example - clustering analysis using K-means - Mar 2020

# Project Title

An example of clustering analysis using K-means

## Reference

[https://scikit-learn.org/stable/auto\\_examples/cluster/plot\\_kmeans\\_assumptions.html](https://scikit-learn.org/stable/auto_examples/cluster/plot_kmeans_assumptions.html)

### Written by

\* \*\*UBDA \*\* - Mar 4, 2020

## Sources

All the program(s) and control file are available at  
/ubda/apps/examples/python/cluster.

### Python program(s)

/ubda/apps/examples/python/cluster/pi\_cluster.py

/ubda/apps/examples/python/cluster/pi\_mp.py

### PBS (control file)

/ubda/apps/examples/python/cluster/pyvin.pbs

### Data

Not applicable

## Executing the program

cd \$HOME

mkdir cluster

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```
cd cluster
```

```
cp -pr /ubda/apps/examples/python/cluster/* .
```

```
qsub python.pbs
```

```
### Environment setting
```

```
anaconda3-5.2.0, python-2.7.15
```