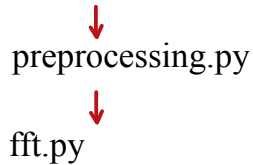


Starlings Accelerometer Workflow

Preprocess your data:

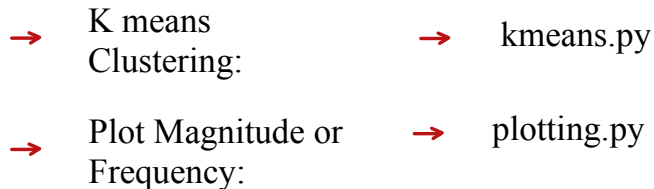


Takes a csv file of accelerometer data.
Outputs a formatted parquet file.

Takes a post-preprocessing parquet file with raw accelerometer data.
Performs an FFT for each second (100 data points per second) and averages over two seconds.
Averaging interval can be adjusted if needed.
Outputs two CSV files, VeDBA and accZ.

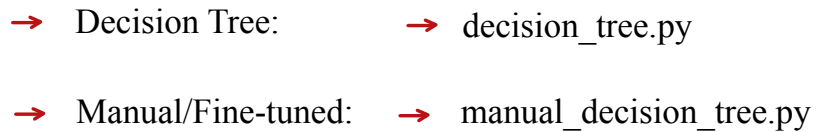
Explore your data:

- Unlabelled



Explore your data:

- Labelled



Preprocess your data:

Explore your data:

- Unlabelled :

K means
Clustering:

kmeans.py

Plot Magnitude
or Frequency:

plotting.py

Explore your data:

- Labelled

Decision Tree:

decision_tree.py

Manual/
Fine-tuned:

manual_decision_tree.py