How to enter a custom anomaly detection algorithm into NAB

Please follow a path for your detector under test (DUT). File extensions are from NAB/ directory.

Path I: create a detector
Subclass detectors/base.py for your detector "alpha", add it as detectors/alpha/ alpha_detector.py. Then execute on the console: `python run.py —d alpha`

Path II: give anomaly scores
Use your algorithm to create anomaly scores in the file format specified in Appendix F of the NAB writeup, then execute from the console: `python run.py —d alpha —optimize —score --normalize`

Path III: give detections
Use your algorithm to create anomaly detections in the file format specified in Appendix F of the NAB writeup, then execute from the console: `python run.py —d alpha --score --normalize`

NAB DATA CORPUS

data/

DETECTORS

detectors/

ANOMALY SCORES

results/

OPTIMIZE THRESHOLD

nab/ runner.py

ANOMALY SCORES

results/

SCORER

nab/ scorer.py

SCORES

results/

RAW LABELS

labels/ raw/

COMBINED LABELS

labels/

PROFILES

config/

preprocessed