

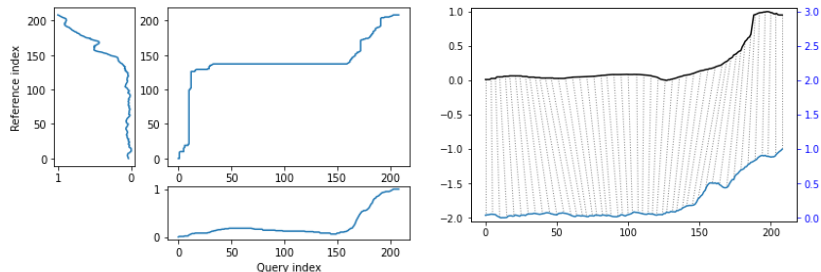
# DTW Subset

BAE LAB.

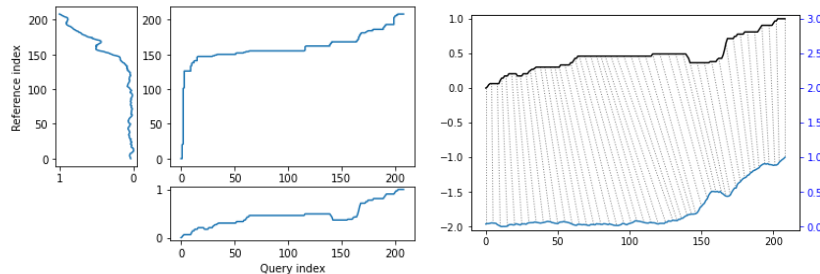
Department of Industrial Engineering, Pusan National University

# Dynamic Time Warping (2018) (20%)

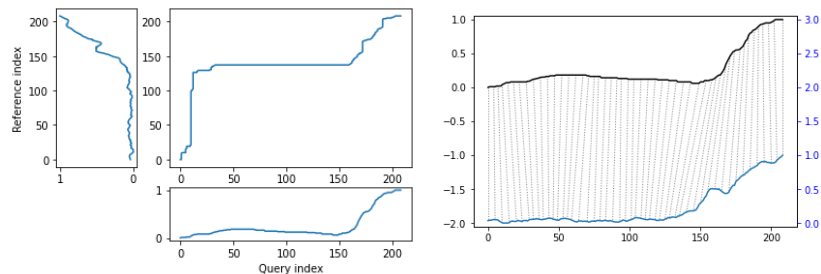
- 알고리즘 적용



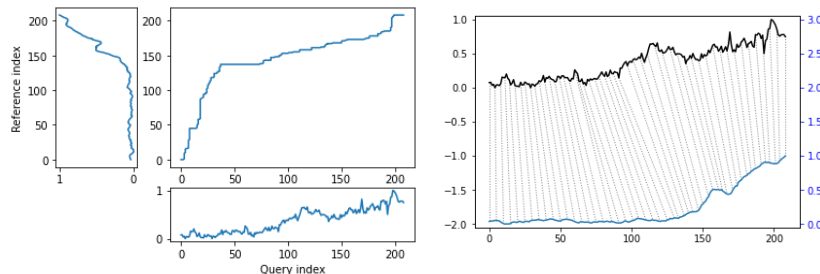
① Average Earnings : 3.789



② Newbuilding Prices(3500,4000 TEU) : 5.245



③ Newbuilding Prices(13000,13500 TEU): 6.732

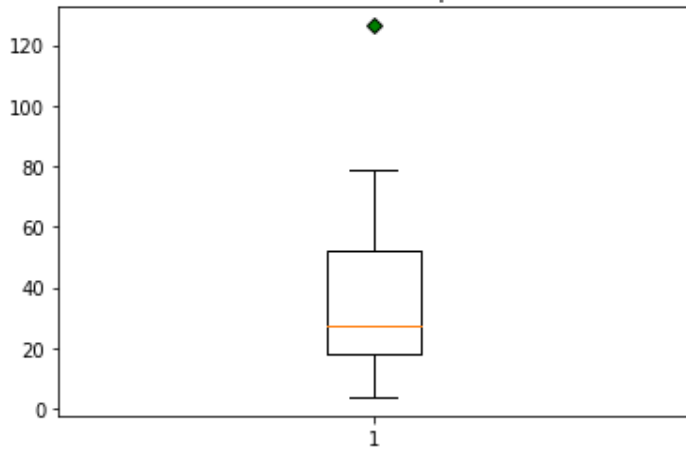


④ PCI-Comprehensive: 10.623

## Reason for making subset

- 근거
  - 상재 형께서 말씀해주신 20% 기준으로 분리

DTW 2018 box plot



threshold

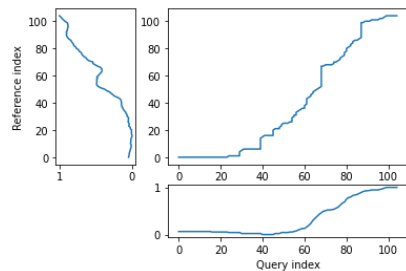
float64

1

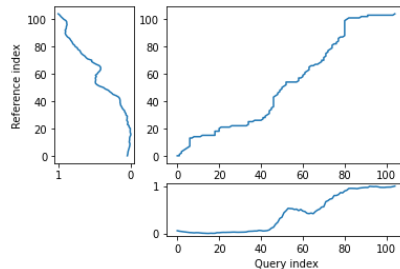
14.917094292765992

# Dynamic Time Warping (2020) (20%)

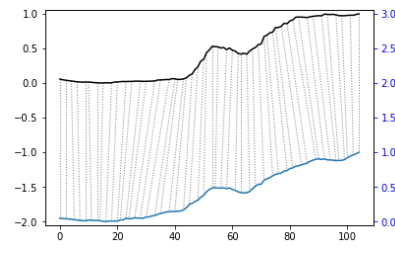
- 알고리즘 적용



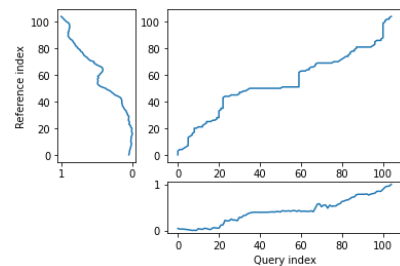
① Newbuilding Prices(13000,13500 TEU): 1.64



② SCFI-Europe (base port) : 1.68



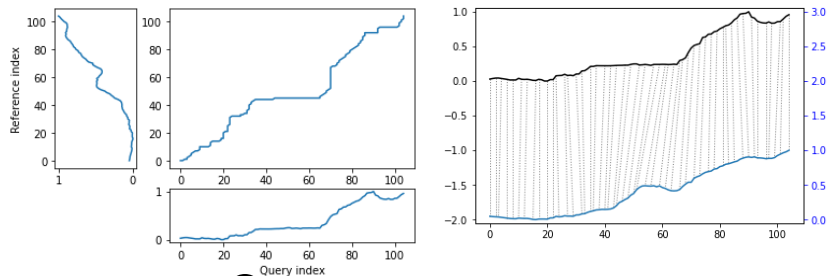
③ SCFI-Med (base port) : 1.82



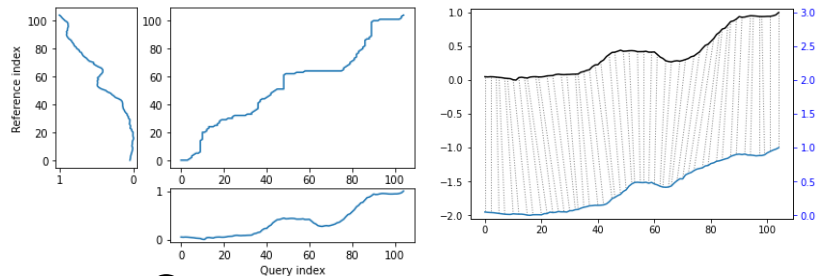
④ SCFI-WC America (base port) : 2.43

# Dynamic Time Warping (2020) (20%)

- 알고리즘 적용



⑤ SCFI-EC America (base port): 2.63

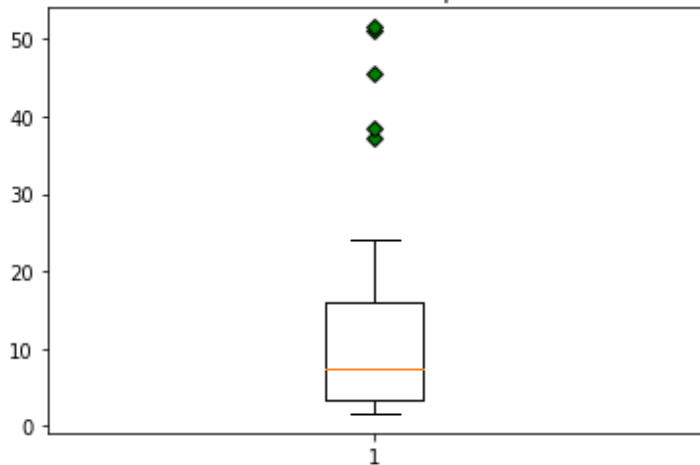


⑥ SCFI-ANZ (Melbourne) : 2.97

## Reason for making subset

- 근거
  - 상재 형께서 말씀해주신 20% 기준으로 분리

DTW 2020 box plot



|           |         |   |                          |
|-----------|---------|---|--------------------------|
| threshold | float64 | 1 | <u>3.025289189841664</u> |
|-----------|---------|---|--------------------------|

# Q&A