

Robust Scaling

$$X_{scaled} = \frac{X - median(X)}{75th \ quant(X) - 25th \ quant(X)}$$



Robust Scaling: example

Price
100
90
50
40
20
100
50
60
120
40
200

Median = 60 25 th quantile = 45 75 th quantile = 100 IQR = 100 – 45 = 55
Obs Median
IQR

Price
0.73
0.55
-0.18
-0.36
-0.73
0.73
-0.18
0.00
1.09
-0.36
2.55



Robust Scaling: summary

- Median centred at zero
- Handles outliers



Accompanying Jupyter Notebook



Read the accompanying
Jupyter Notebook

Robust Scaling with Scikit-learn





THANK YOU

www.trainindata.com