



Min-Max Scaling

MinMaxScaling

- Scales the variable between 0 and 1

$$X_{\text{scaled}} = \frac{X - \min(X)}{\max(X) - \min(X)}$$

MinMaxScaling: example

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

Max = 200
Min = 20
Range = $200 - 20 = 180$



Obs. - Min

Range

Price
0.44
0.39
0.17
0.11
0.00
0.44
0.17
0.22
0.56
0.11
1.00

MinMaxScaling: summary

- Minimum and maximum values within $[0;1]$
- Mean varies
- Variance varies
- Preserves outliers

Accompanying Jupyter Notebook



- Read the accompanying Jupyter Notebook
- MinMaxScaling with Scikit-learn

THANK YOU

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