**Feature Matrix**

**X: the inputs**

**Y: to be predicted by the variables represented in x**

|  |  |  |
| --- | --- | --- |
| **Weekday** | **Number of attendees** | **Cost of lunch** |
| monday | 10 | 500 |
| wednesday | 100 | 1500 |

X:

[[0, 1, 0, 0, 0, 0, 0, 10],

[0, 0, 0, 1, 0, 0, 0,100]]

Y:

[500,1500]

**Or better … min max scale the cts vars …**

**Sklearn paradaigm**

model = Model()

model.fit(X, y)

predictions = model.predict(x)

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inputs

X: n\_features x n\_samples

Y: n\_samples