

Principal Component Analysis

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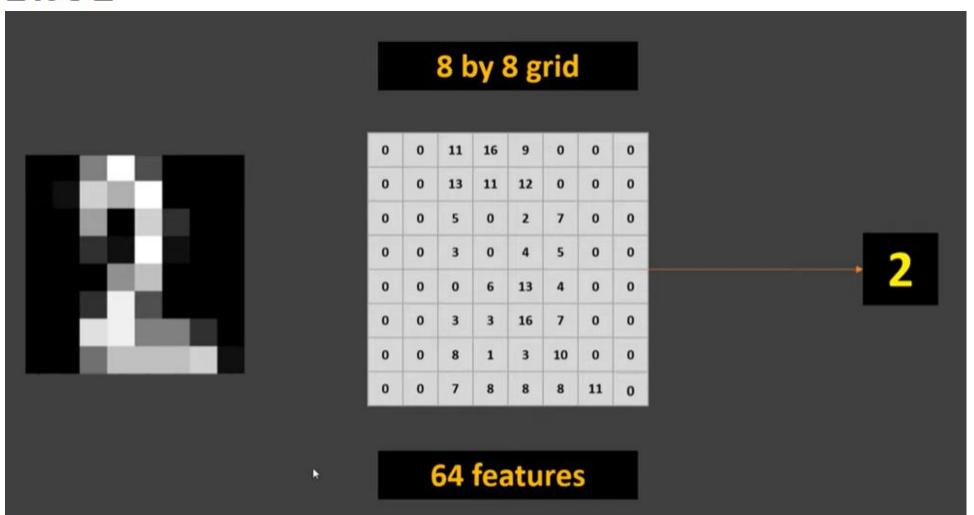




town	area	bathroom	plot	trees nearby	price
monroe	2600	2	8500	2	550000
monroe	3000	3	9200	2	565000
monroe	3200	3	8750	2	610000
monroe	3600	4	10200	2	680000
monroe	4000	4	15000	2	725000
west windsor	2600	2	7000	2	585000
west windsor	2800	3	9000	2	615000
west windsor	3300	4	10000	1	650000
west windsor	3600	4	10500	1	710000

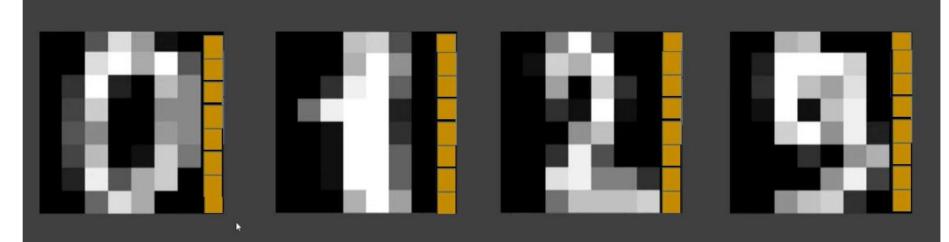












What if we get rid of non important features?

- 1. Faster training and inference
- 2. Data visualization becomes easier



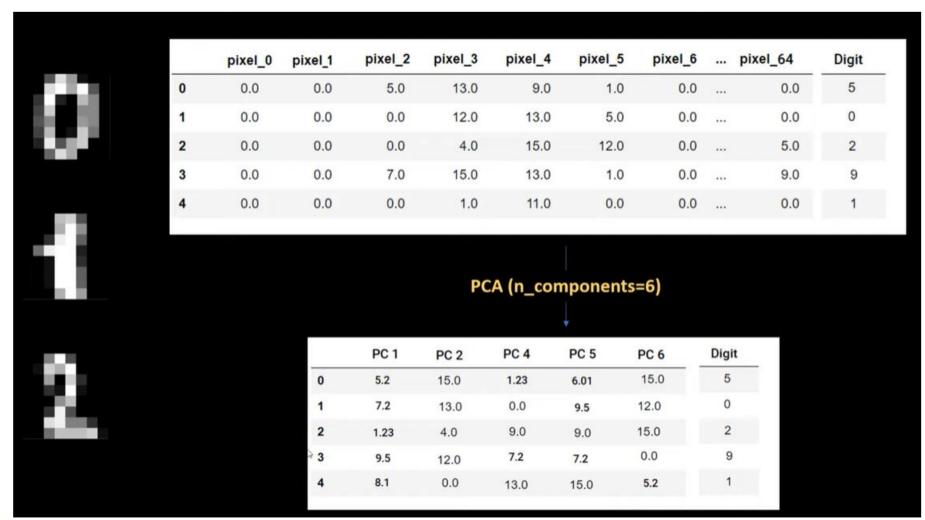


PCA: Principal Component Analysis

Is a process of figuring out most important features or principal components that has the most impact on the target variable











Few things to keep in mind before using PCA

Scale Features
Before Applying
PCA

Accuracy might drop

