

# CLASSICAL MACHINE LEARNING

Data is pre-categorized  
or numerical

## SUPERVISED

Predict  
a category

### CLASSIFICATION

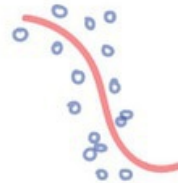
«Divide the socks by color»



Predict  
a number

### REGRESSION

«Divide the ties by length»



Data is not labeled  
in any way

## UNSUPERVISED

Divide  
by similarity

### CLUSTERING

«Split up similar clothing  
into stacks»



Identify sequences

Find hidden  
dependencies

### ASSOCIATION

«Find what clothes I often  
wear together»



### DIMENSION REDUCTION (generalization)