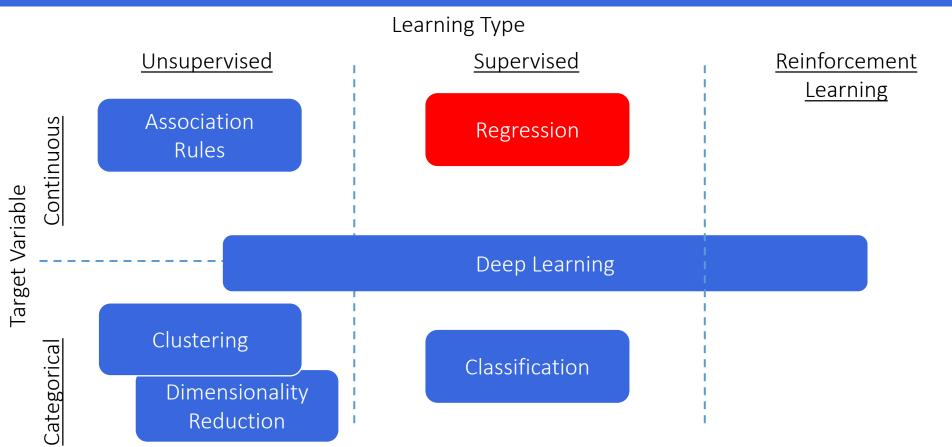
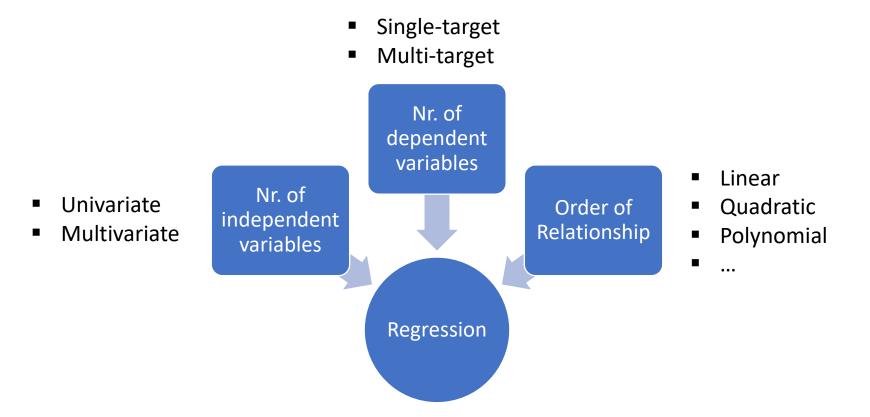
Machine Learning Types



Overview

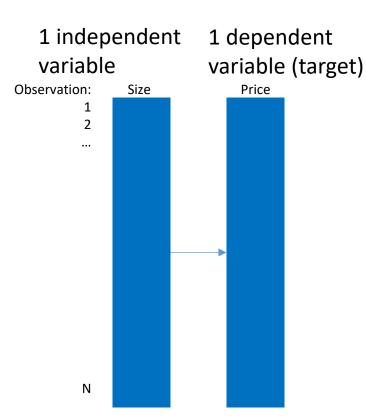


Univariate Linear Regression

Univariate Linear Regression

- One independent variable
- One dependent variable
- Linear relationship

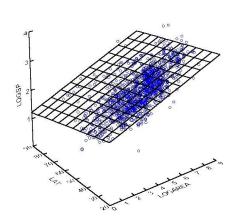


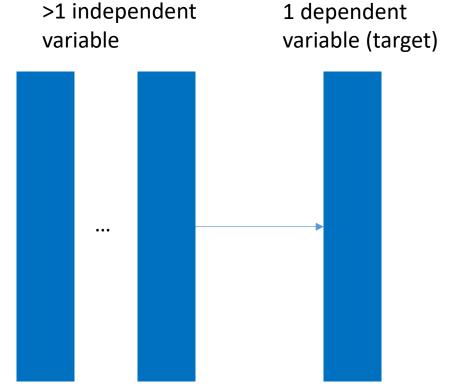


Multivariate Linear Regression



- More than one independent variables
- One dependent variable
- Linear relationship





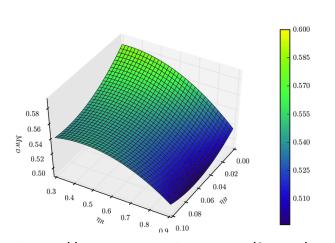
Source: http://www.anovisions.com/types_of_data_analysis.html

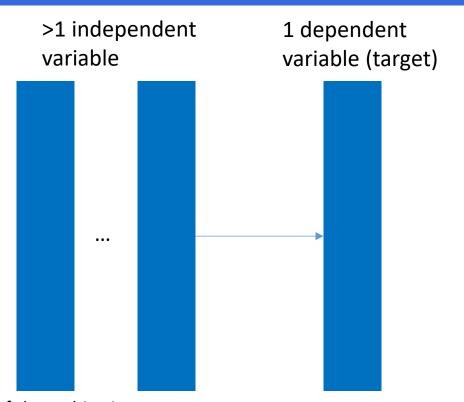
Multivariate Higher-Order Regression

More than one independent variables

One dependent variable

Quadratic or some other higher-order relationship





Source: https://www.researchgate.net/figure/Surface-plot-of-the-multivariate-quadratic-regression-fit-Note-that-the-maximum-and_fig3_325517988

Multiple Target Regression

- More than one independent variables
- More than one dependent variable
- Can be implemented with Deep Learning

