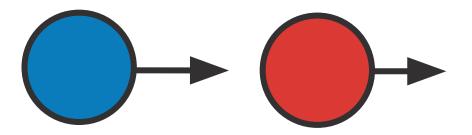
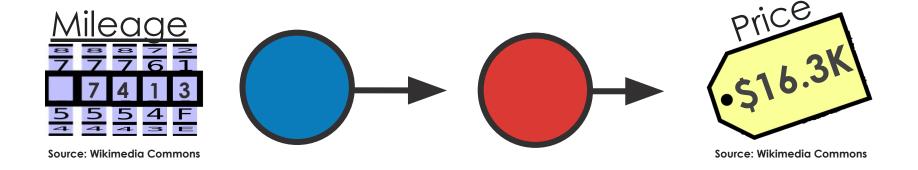
Artificial Neural Networks Regression

Deep Learning Pre-Work

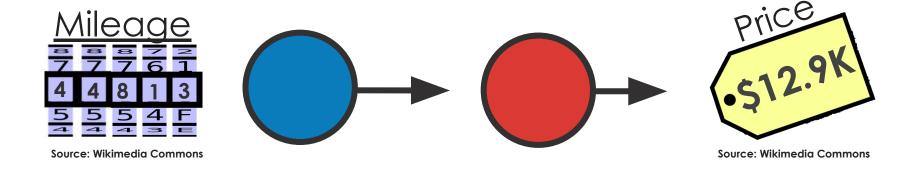




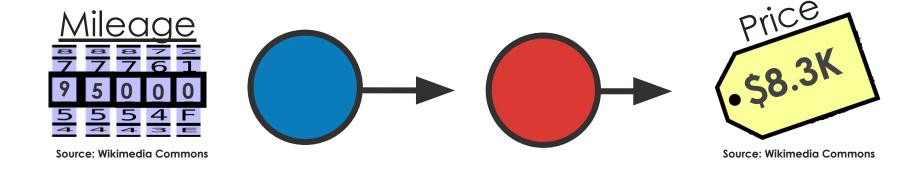






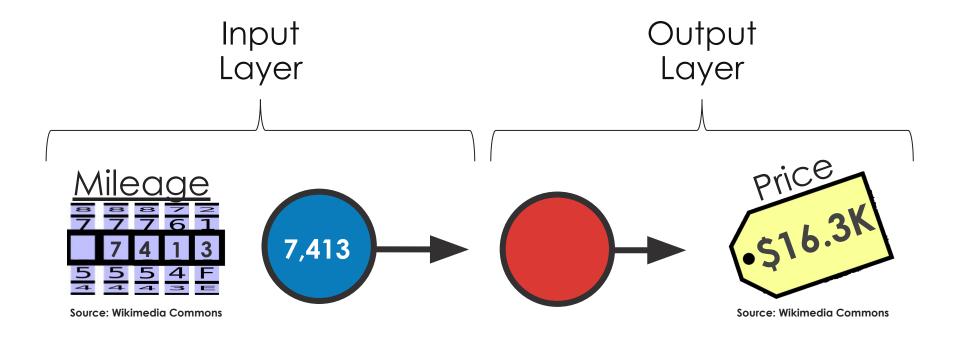






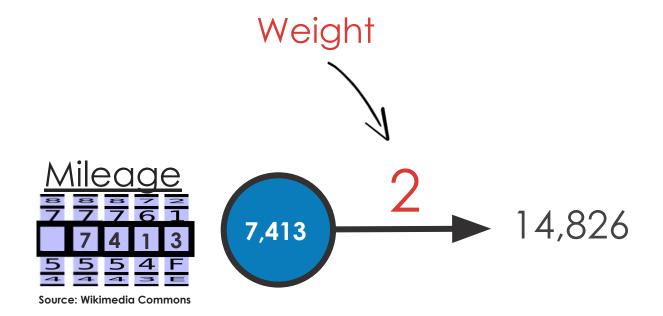
Input/Output Layers

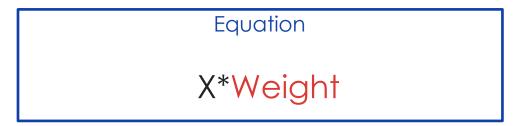




Weights

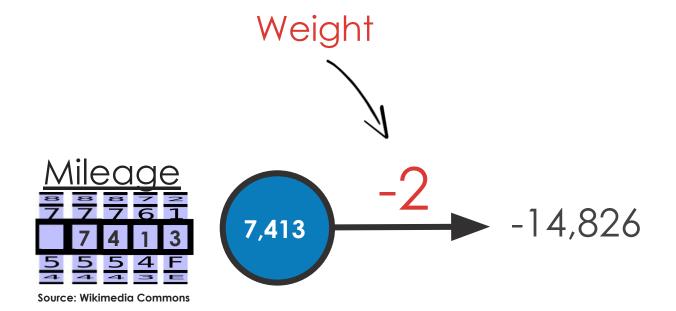






Weights



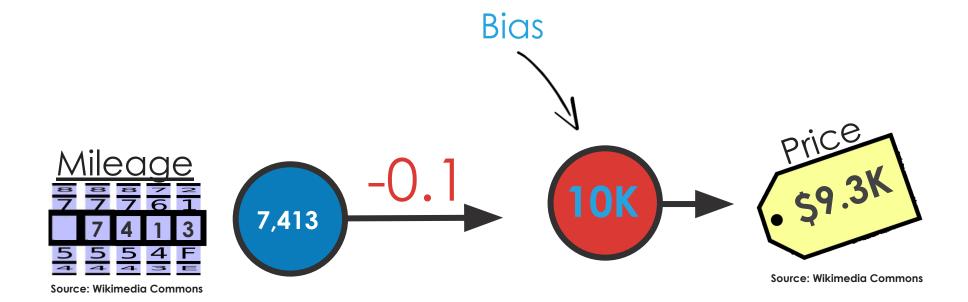


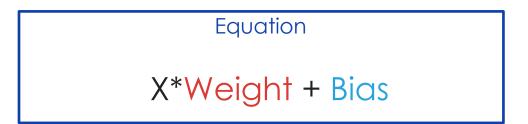
Equation

X*Weight

Biases

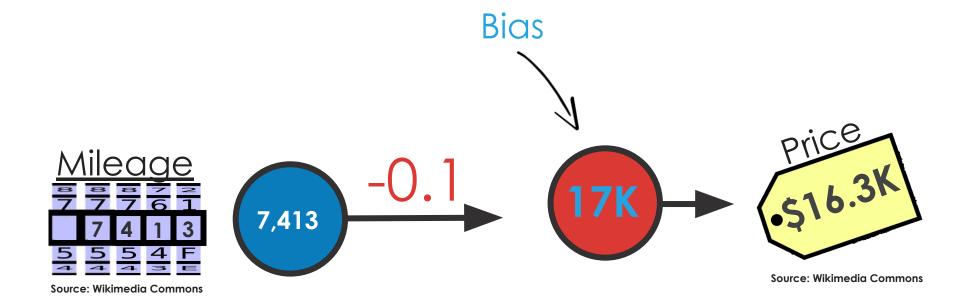


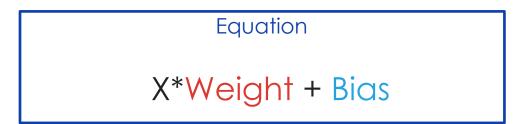




Biases



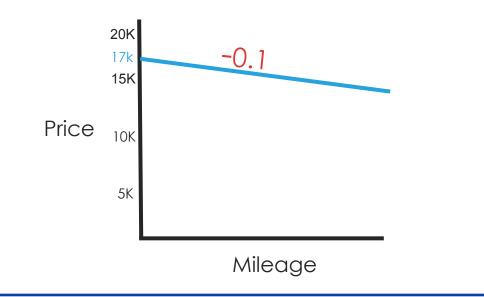


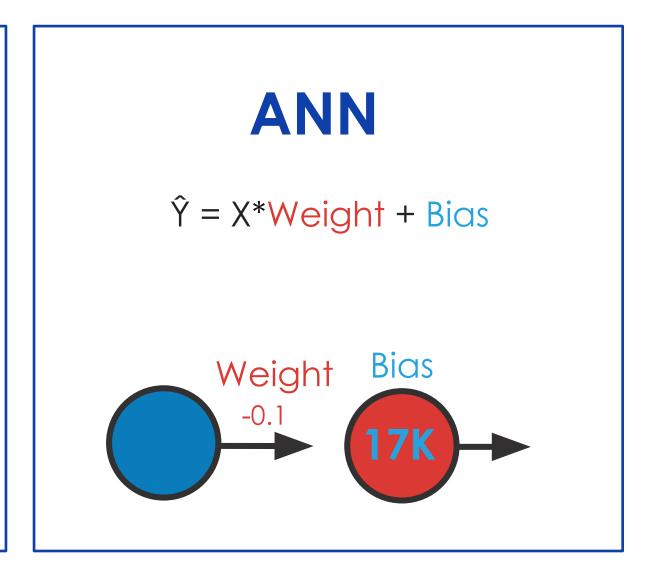




Linear Regression

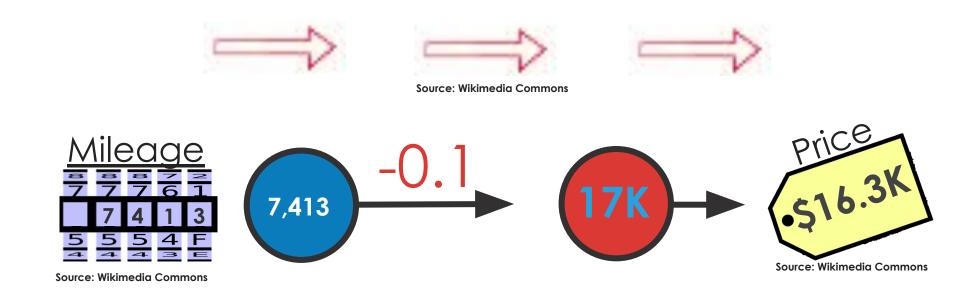
$$\hat{Y} = X*Slope + Y-intercept$$





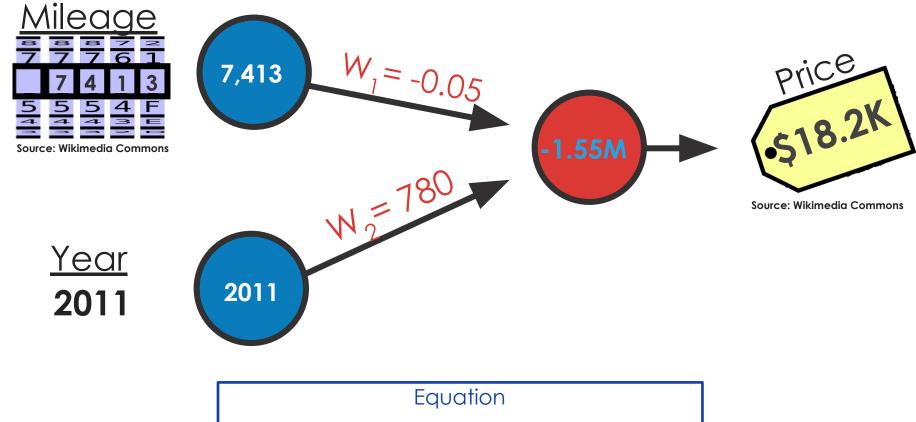
Forward Propagation





Multiple Input Neurons





X₁*Weight₁ + X₂*Weight₂ + Bias