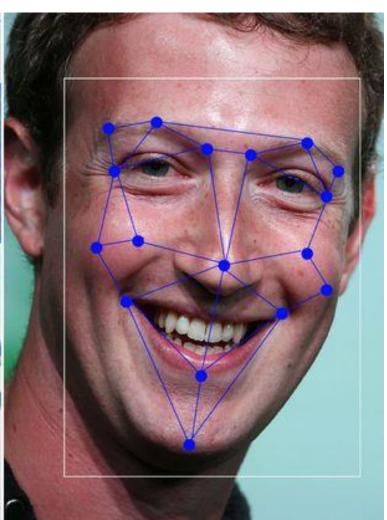
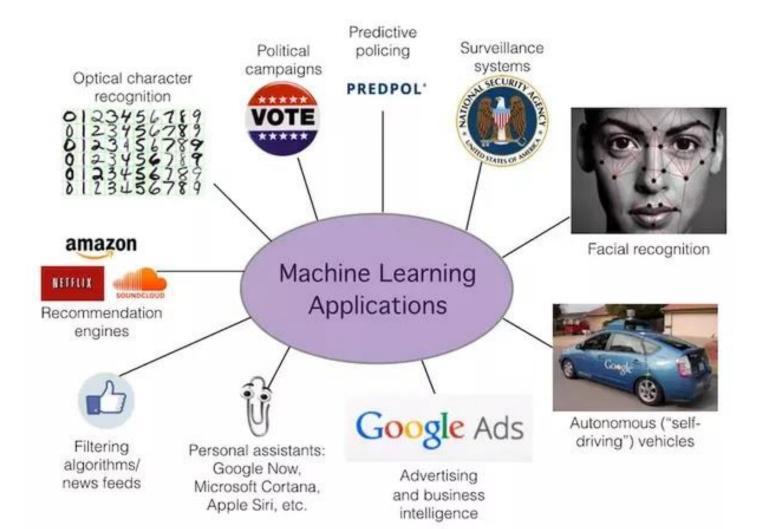
A Quick Guide to Machine Learning

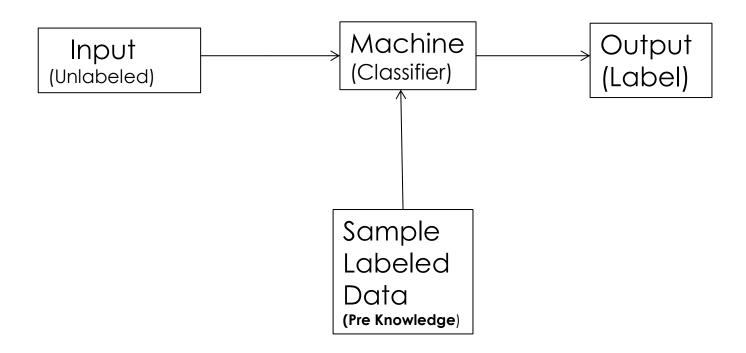


Facebook helps the people in you





Machine Learning System

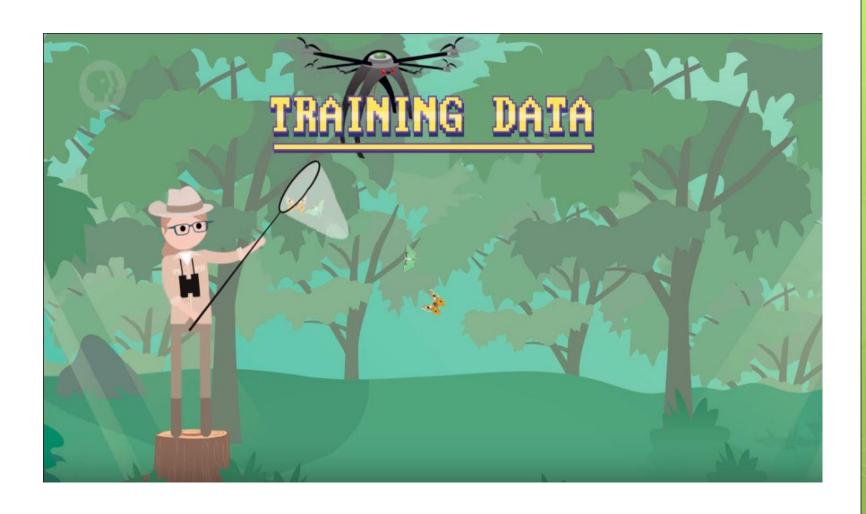


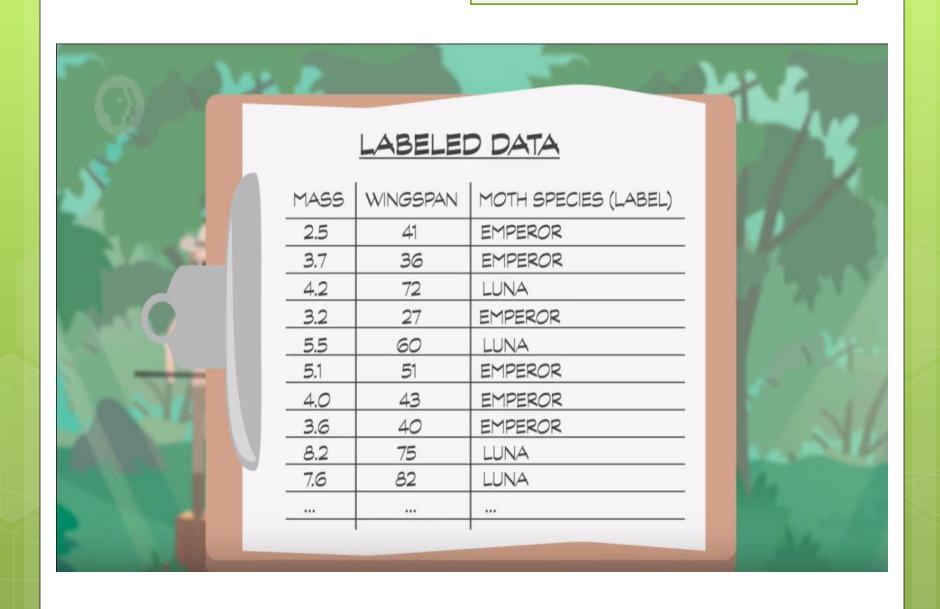


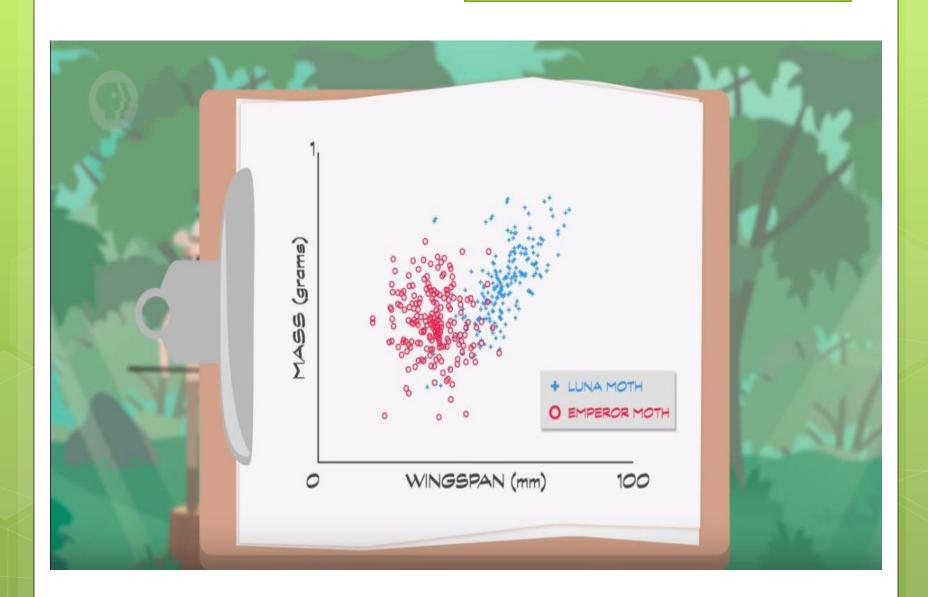
Luna Moth

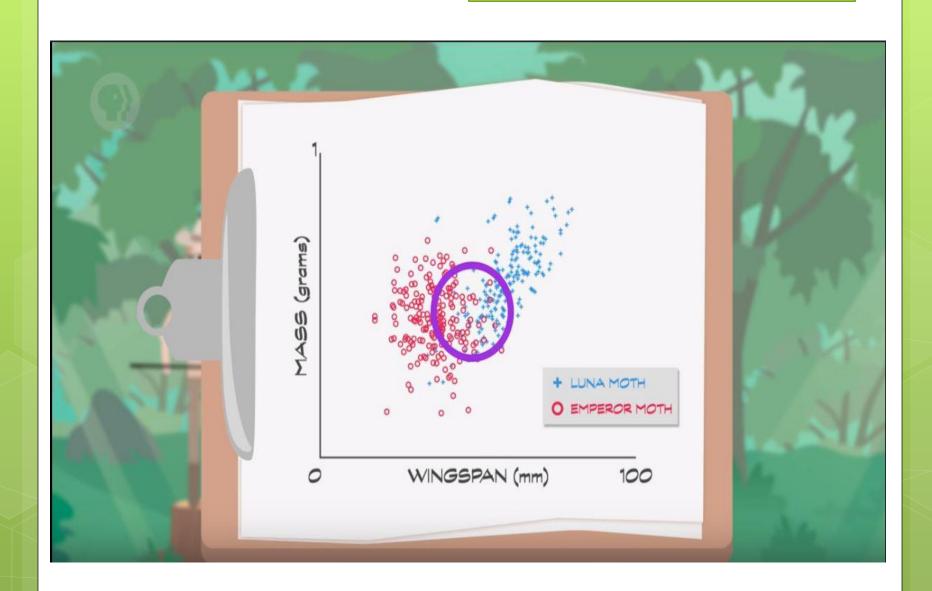


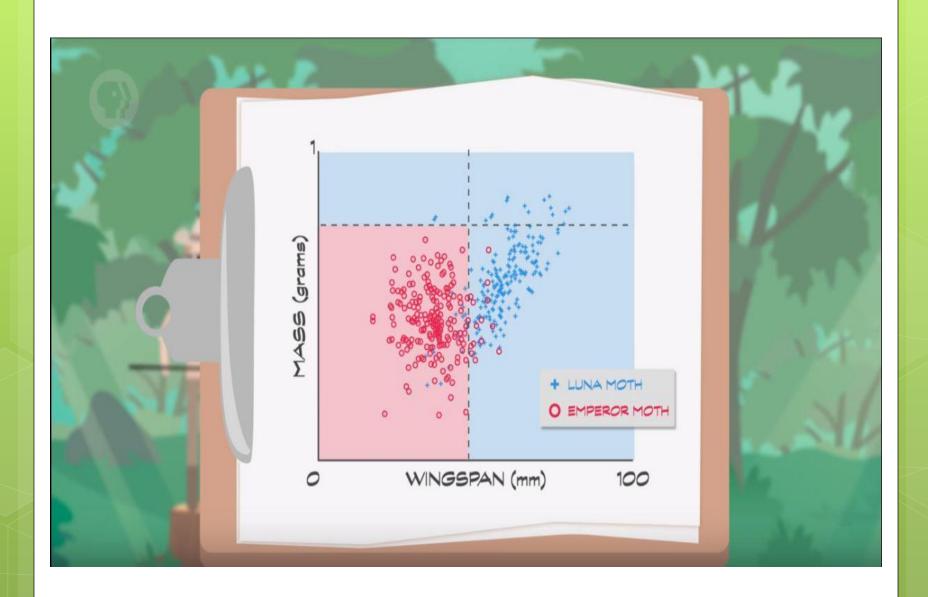
Emperor Moth

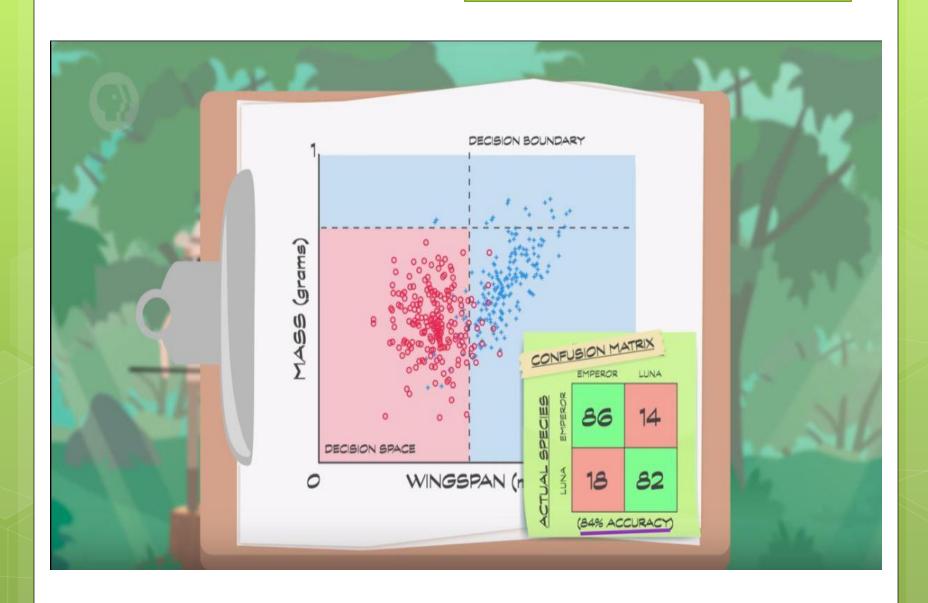


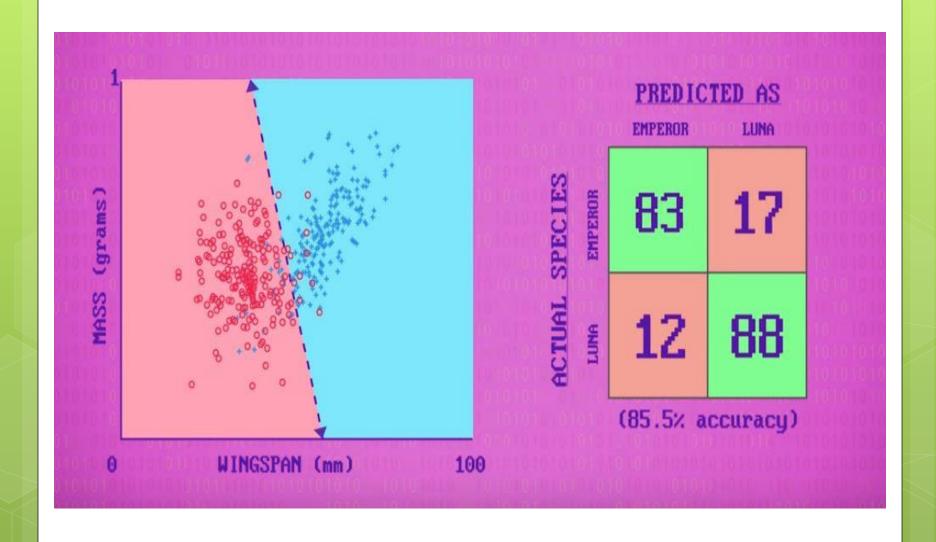


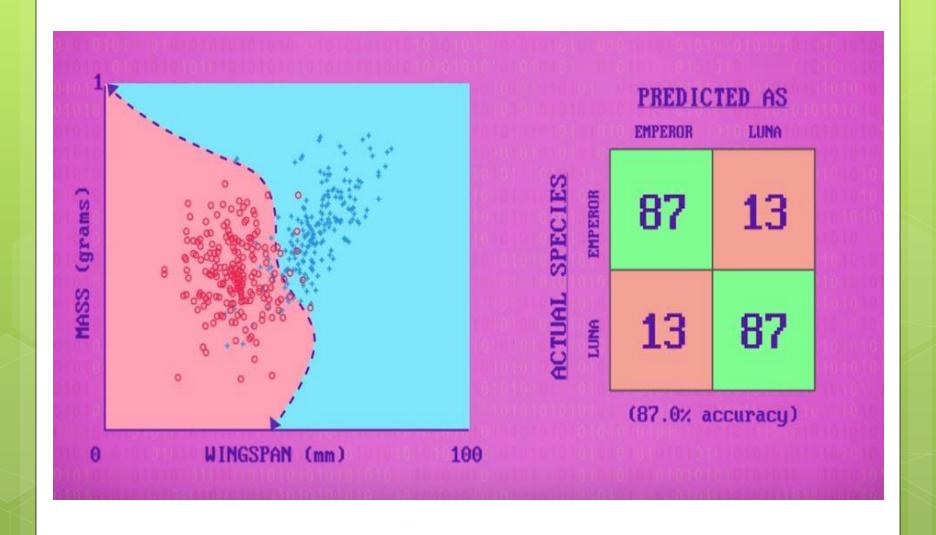












Classifier Evaluation Metrics

$$Accuracy = \frac{T_p + T_n}{T_p + T_n + F_p + F_n}$$

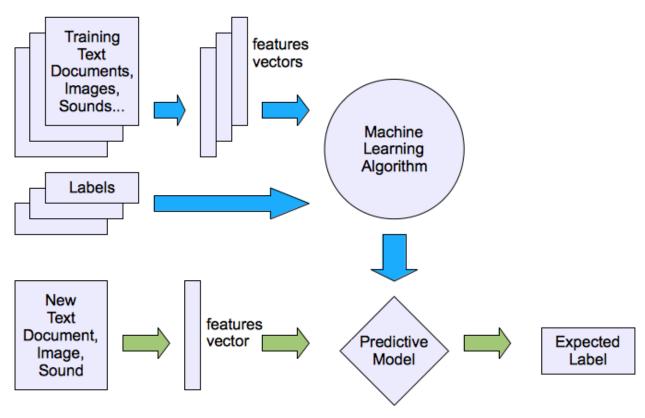
$$Precision = \frac{T_p}{T_p + F_p}$$

$$Recall = \frac{T_p}{T_p + T_n}$$

$$F_1 = 2 \cdot \frac{precision \cdot recall}{precision + recall}$$

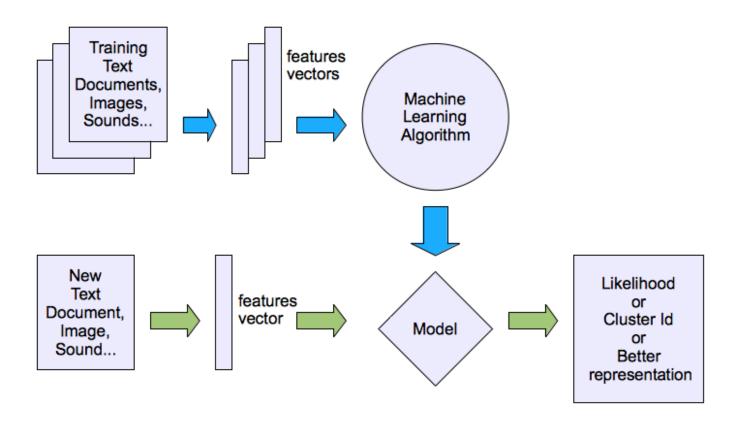
Machine learning structure

Supervised learning



Machine learning structure

Unsupervised learning



"A breakthrough in Machine Learning would be worth ten Microsofts." -Bill Gates