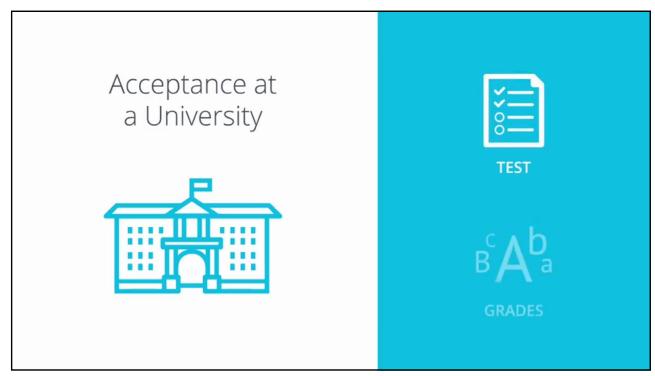
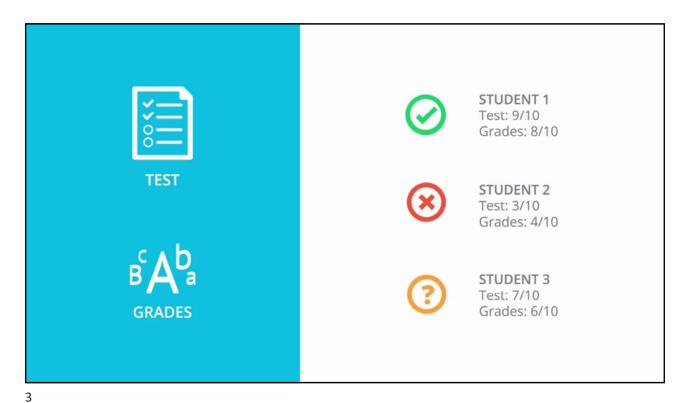
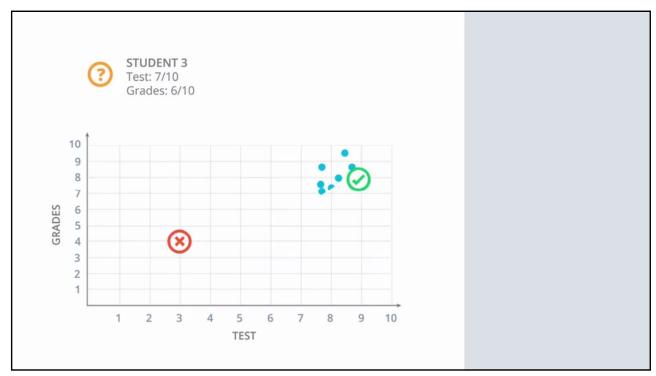
## Introduction to Neural Networks -1

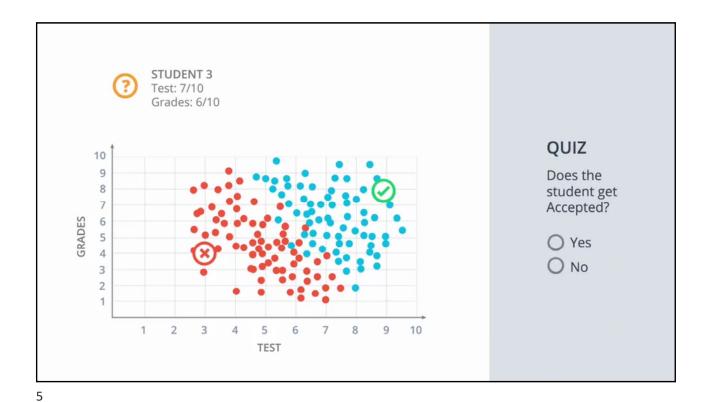
Source: https://www.youtube.com/playlist?list=PLAwxTw4SYaPkQXg8TkVdlvYv4HfLG7SiHunderschafter.



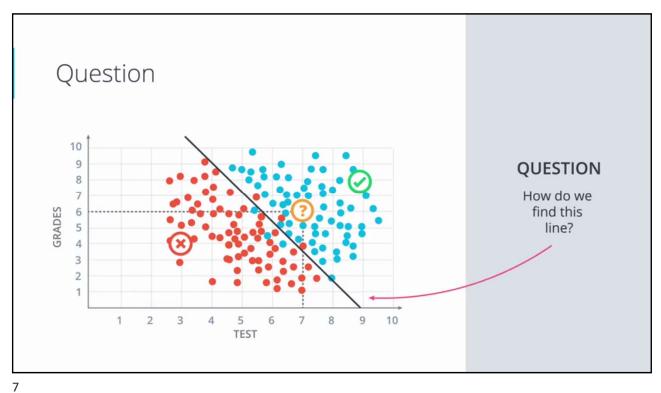




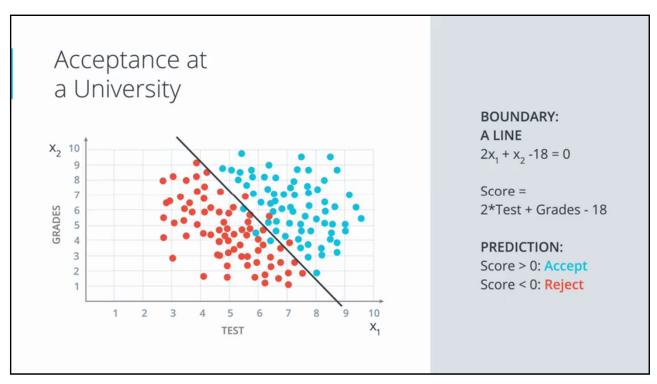


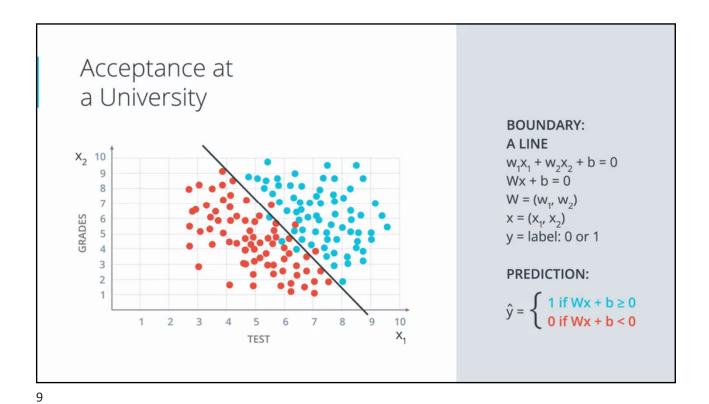


Acceptance at a University QUIZ Does the student get Accepted? O Yes O No TEST









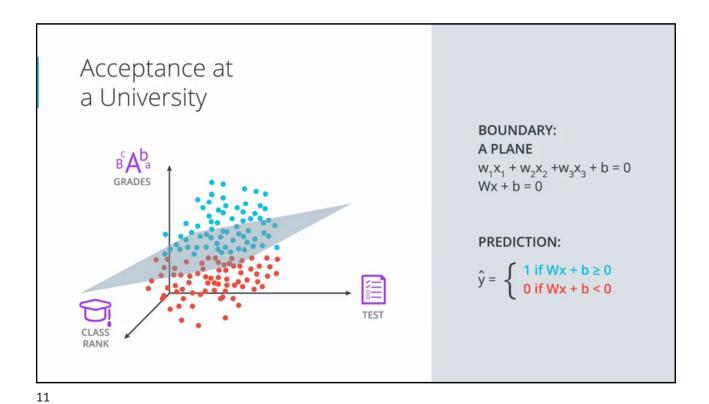
Acceptance at a University

BABA

GRADES

TEST

CLASS RANK



Acceptance at a University n-dimensional space  $X_1, X_2, ..., X_n$ **BOUNDARY:** n-1 dimensional hyperplane  $W_1X_1 + W_2X_2 + W_nX_n + b = 0$ STUDENT 1 6 1(yes) Wx + b = 0STUDENT 2 3 0(no) PREDICTION: STUDENT N 1(yes) n columns

