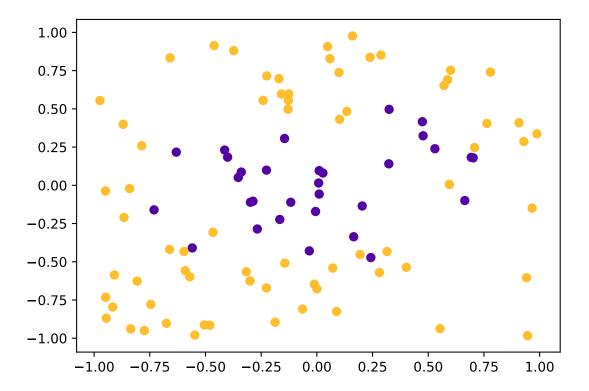
Motivating Example 2

Jan. 22, 2020

Example

Here's a fake data set with two quantitative features (also known as explanatory variables, independent variables, or inputs) and one categorical response (dependent variable, output):



- (a) On the plot, draw your guess at a good decision boundary: you will predict that y=0 (plotted in blue) on one side of the decision boundary and y=1 (plotted in orange) on the other side of the decision boundary.
- (b) What model would you use for these data?