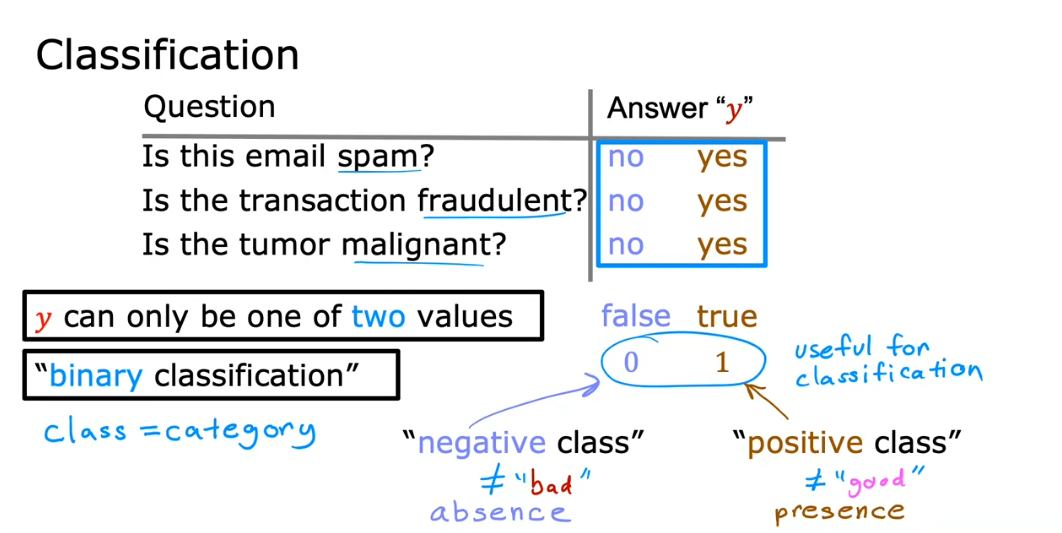
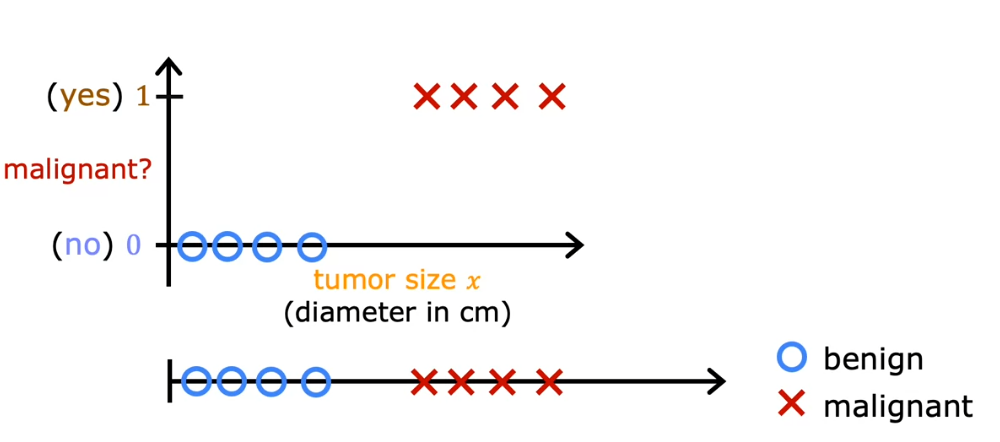
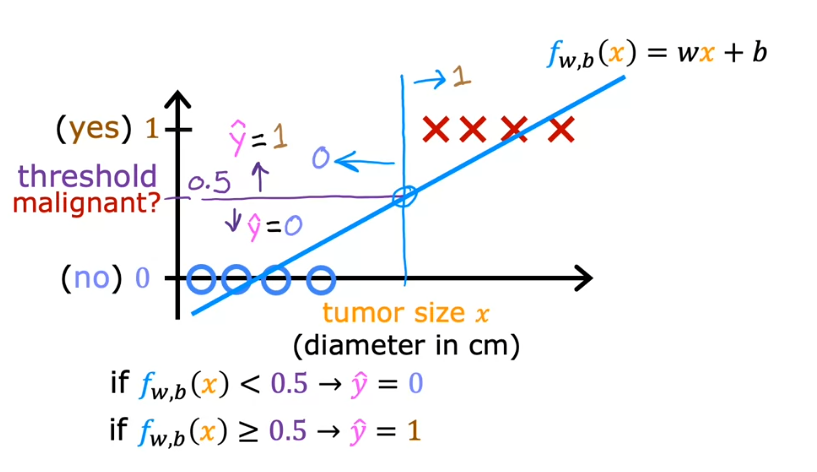
# Motivations

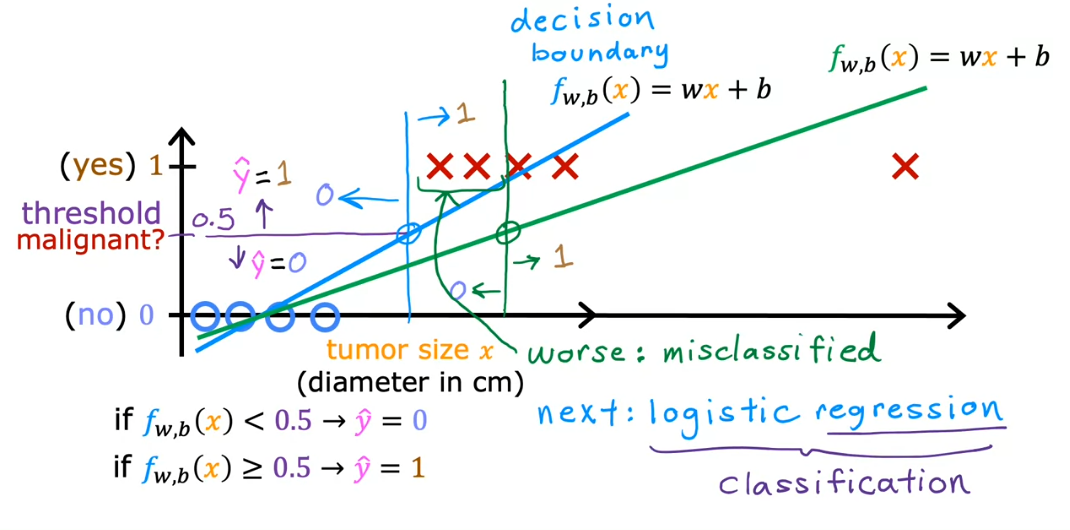


* Absence/presence of a class

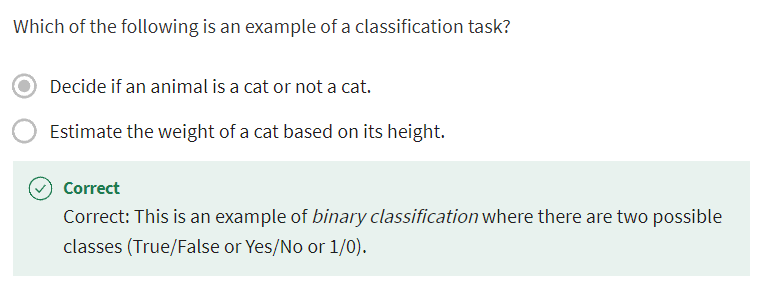




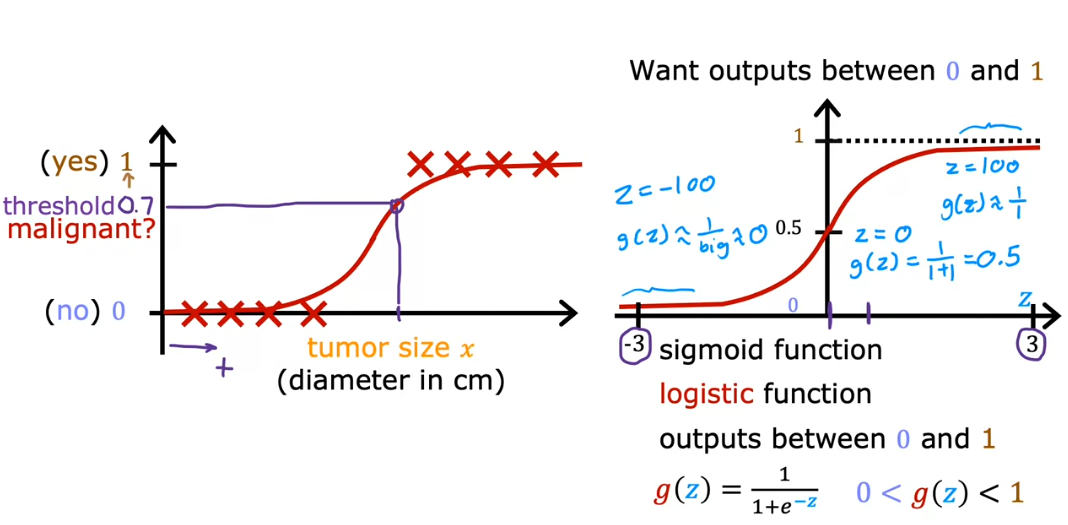
* For this one example, linear regression is somewhat making sense

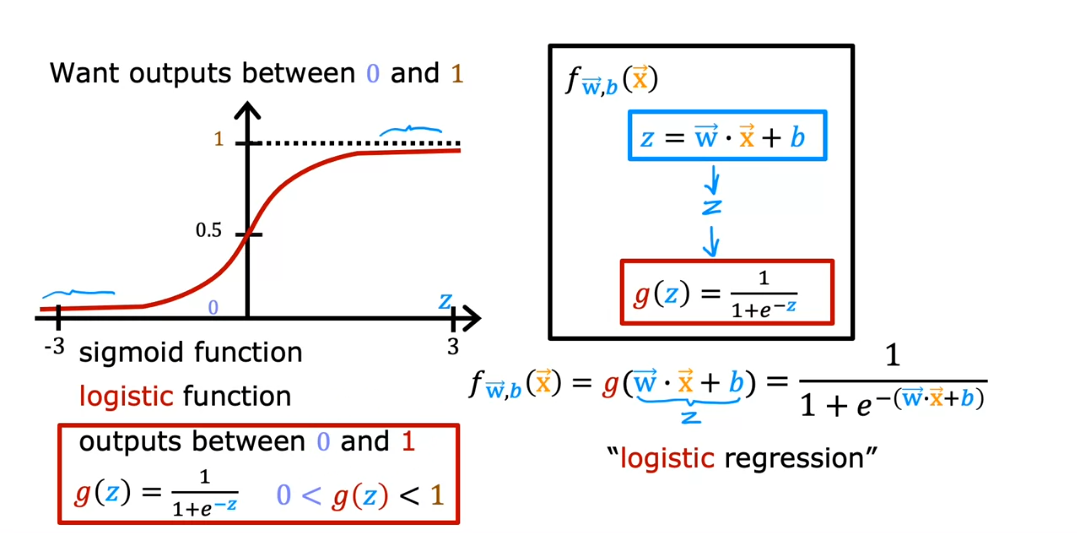


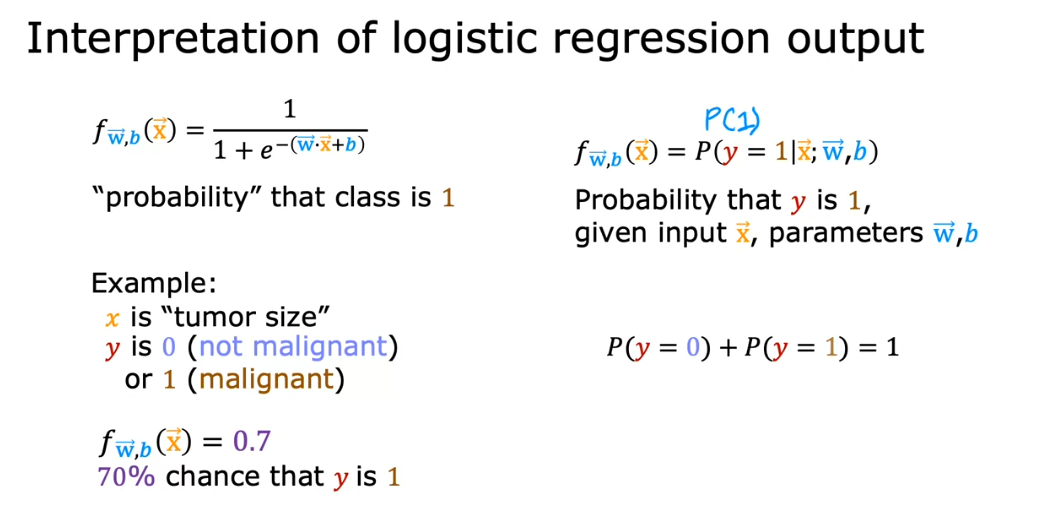
* But for this one (adding a training example way past the last max diameter on the last example), **linear regression** is not making sense anymore and can produce wrong results!

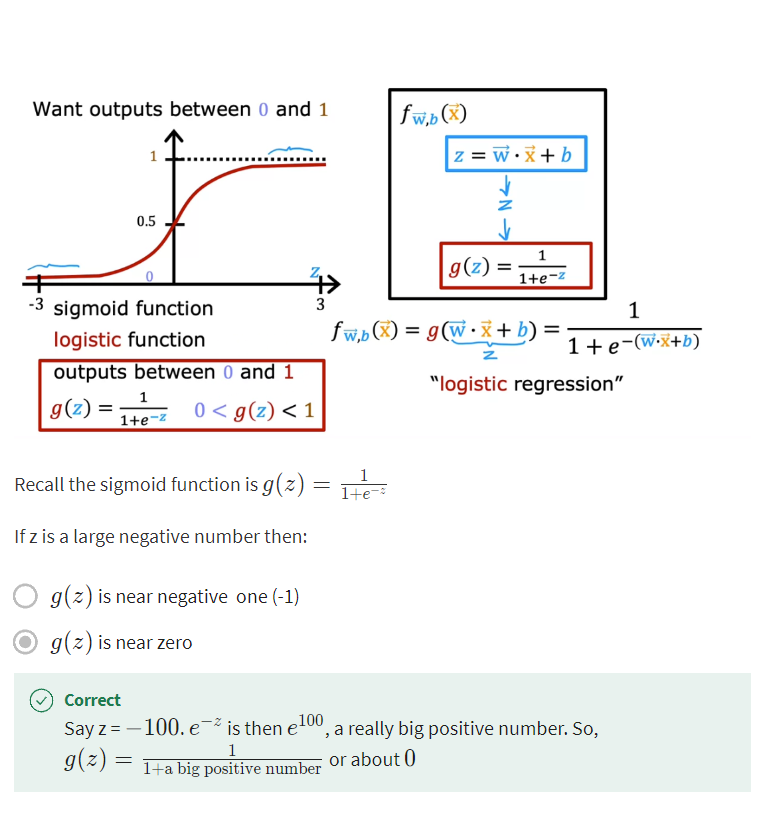


# Logistic Regression

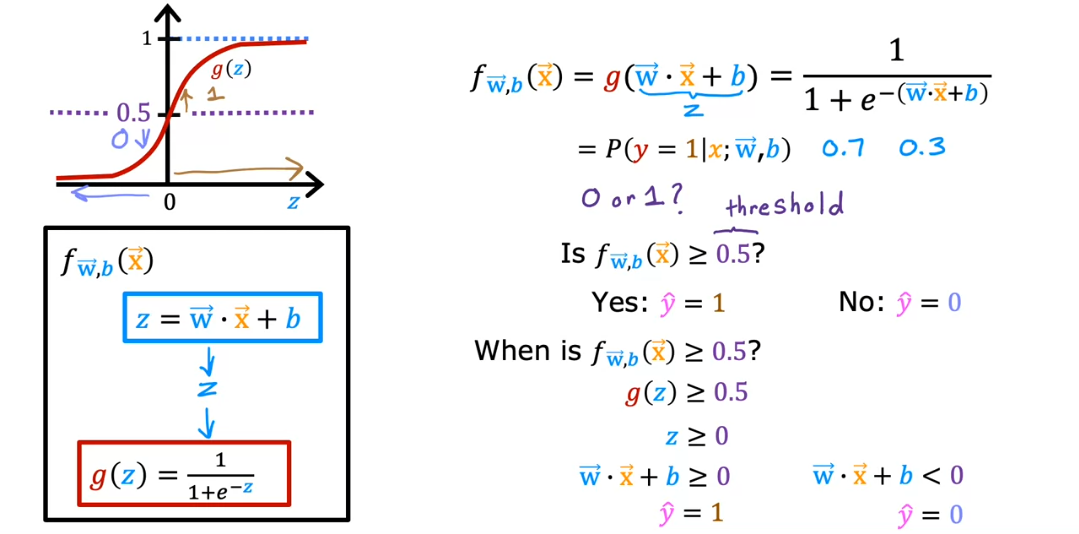


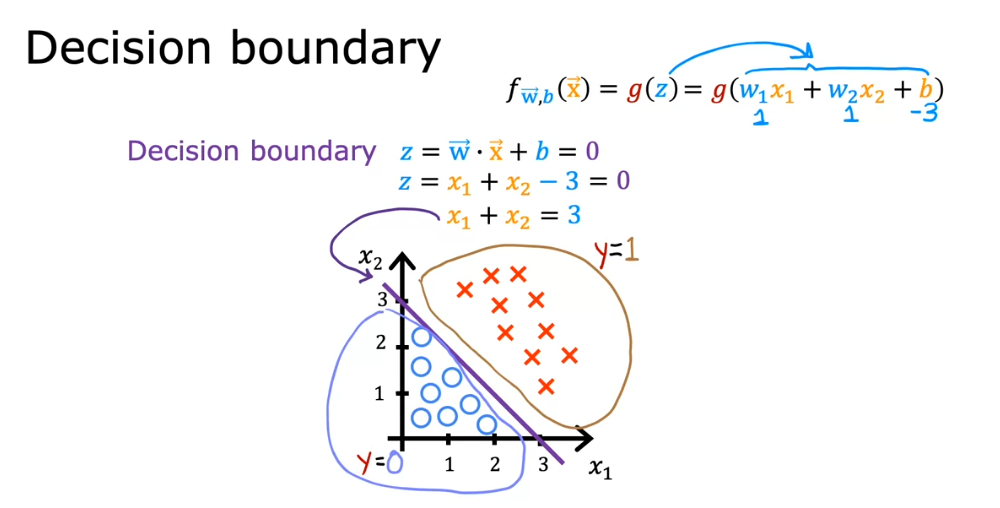


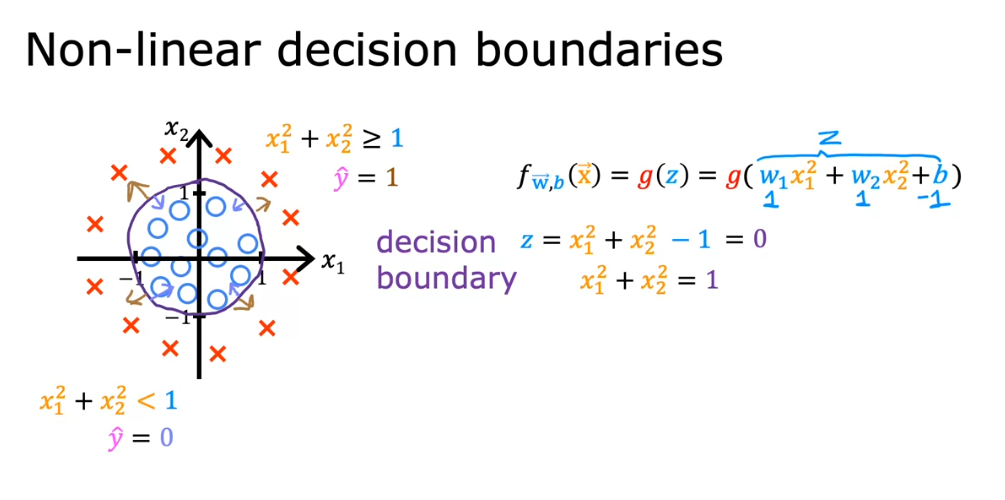


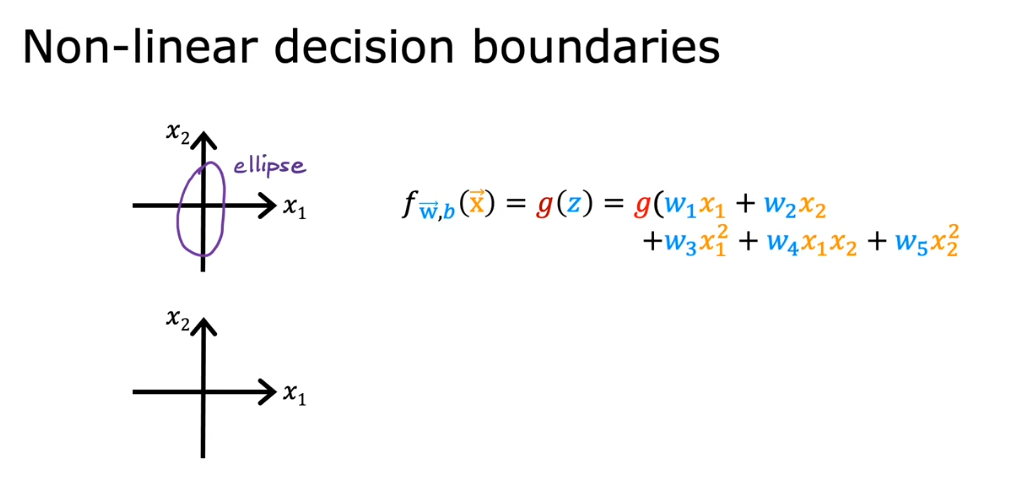


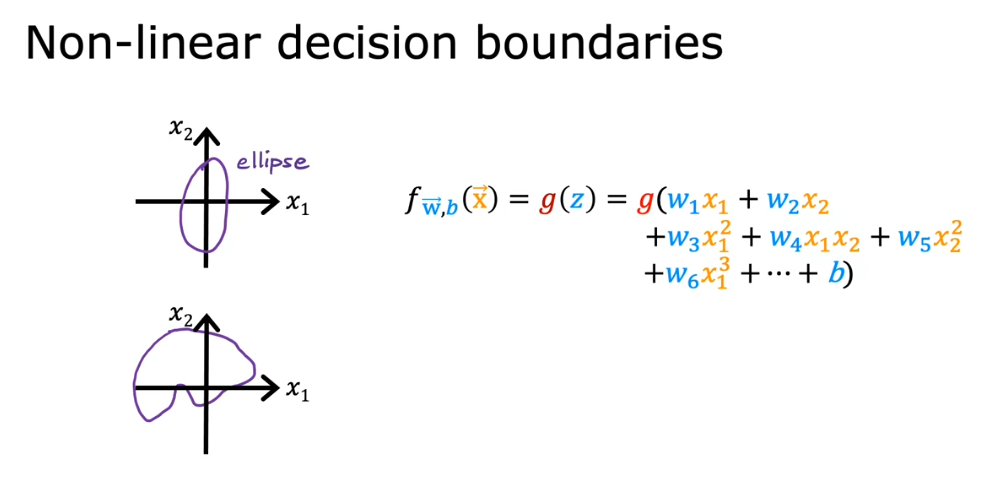
# Decision Boundary

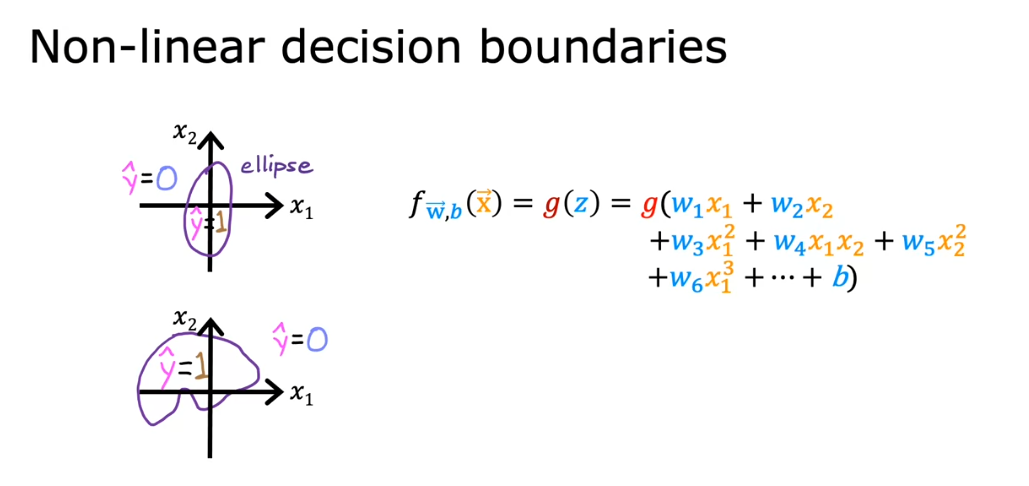


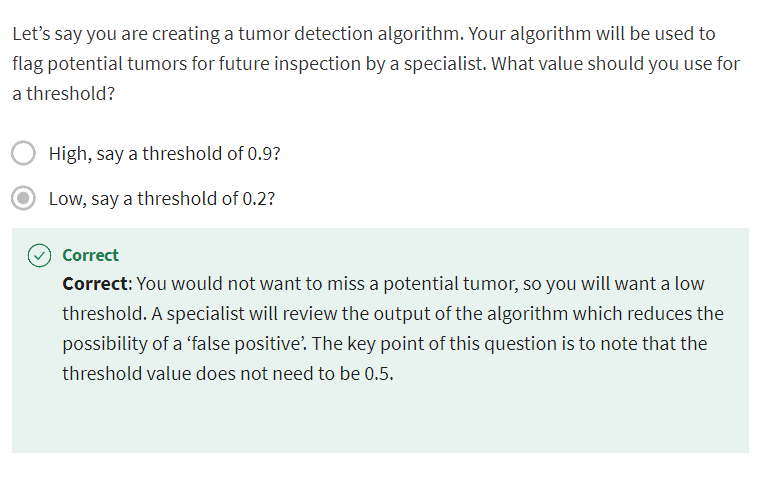












# Practice Quiz

