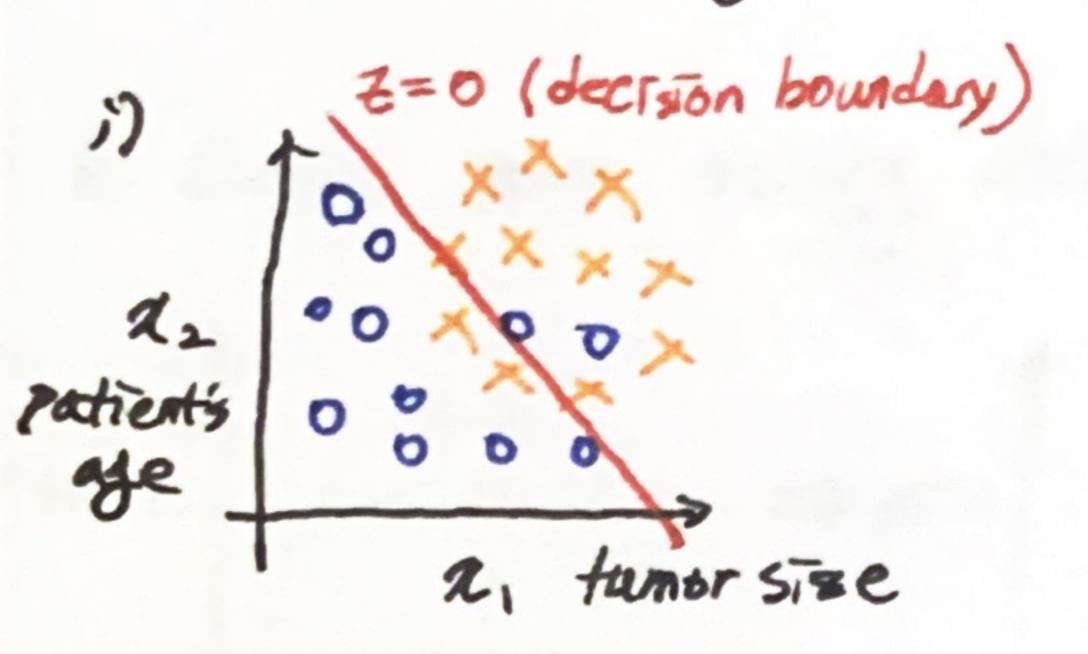
## cecettiiiiii

\* Overfitting - Classification Problem

ex) Tumor is malignant or benign



2 = W, x, + W2x2+b

logistic regression:  $f_{w,b}(\vec{z}) = g(\vec{z})$ Model

g is the sigmoid function

Z=0 (decision boundary)

> "generalization"

=> "Underfitting"

= "high bias"

3= W12,+ W222+ W321+ W422 + W52,22 +b

Tii) \ \ \( \times \times \) \ \( \times \times \) \ \( \times \times \)

2= W, 2, + W222 +W32122 + W42122 +Wg2,223+W27322 + · · · + b

=> Overtitting" = " ligh variance"