

Video: PPV, NPV

(inference ability)

Sensitivity

$P(+ | \text{disease})$

If a patient has the disease, what is the probability that the model predicts positive?

If a model prediction is positive what is the probability that a patient has the disease?

$P(\text{disease} | +)$

PPV (positive predictive value)

Specificity

$P(- | \text{normal})$

If a patient is normal what is the probability that the model predicts negative?

If a model prediction is negative, what is the probability that a patient is normal?

$P(\text{normal} | -)$

NPV (Negative predictive value)