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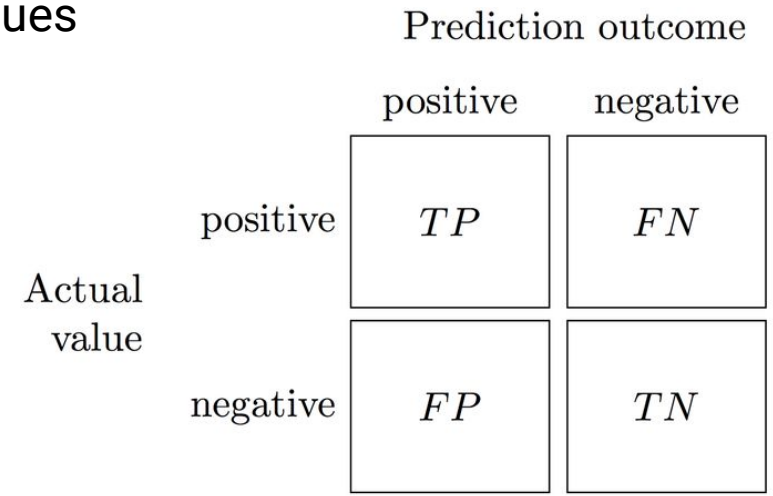
$$\text{Accuracy} = \frac{\text{Correct Predictions}}{\text{Total Predictions}}$$



Accuracy

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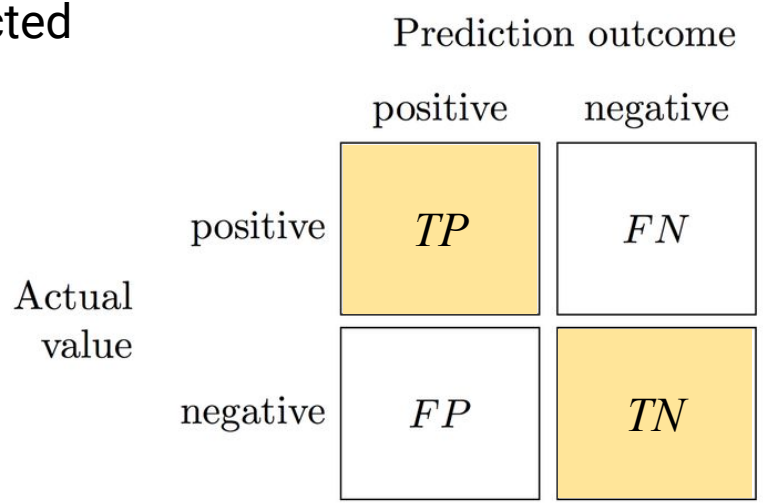
$$\text{Accuracy} = \frac{\text{Correct Predictions}}{\text{Total Predictions}}$$

$$\text{Accuracy} = TP + TN$$



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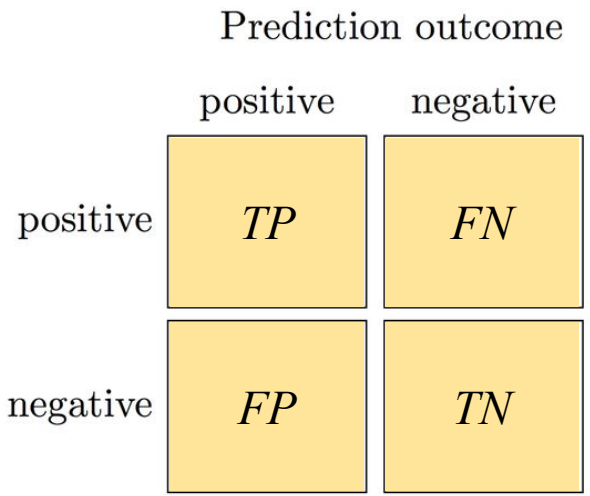
Accuracy: It is the ratio of correct predicted values over the total predicted values.

$$\text{Accuracy} = \frac{\text{Correct Predictions}}{\text{Total Predictions}}$$

$$\text{Accuracy} = \frac{TP + TN}{TP + FN + FP + TN}$$



Accuracy

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Accuracy

500 Patients with Cancer symptoms

494 Negative Results

6 Positive Results

Accuracy

We train a model to detect cancer

500 Patients with Cancer symptoms

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6 Positive Results

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Accuracy

We train a model to detect cancer

		Prediction outcome: positive	Prediction outcome: negative
Actual value	positive	4	2
	negative	8	486

500 Patients with Cancer symptoms

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Accuracy : dumb model

We train a “dumb” model to detect cancer

Negative report for every patient
Or
No patient has cancer

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		Prediction outcome: positive	Prediction outcome: negative
Actual value	positive	0	6
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$$\text{Accuracy} = \frac{TP + TN}{TP + FN + FP + TN}$$

		Prediction outcome: positive	Prediction outcome: negative
Actual value	positive	0	6
	negative	0	494

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