#### precision svs-out no-siren siren (malignant) (benign) recall siren 1 **TP** 8 **FN** (malignant) ground true no-siren 90 FP TN (benign)

## 1 accuracy

$$A = \frac{TP + TN}{TP + TN + FP + FN} = \frac{1 + 90}{1 + 90 + 1 + 8} = 0.91$$

## @ precision ( positive predictions correct?)

TPR

P = 
$$\frac{TP}{TP+FP} = \frac{1}{1+1} = 0.5$$

TPF

R

TP

TP+FN

(Sensitivity) (b)

## 3 recall (actual positives correct?)

$$R = \frac{TP}{TP + FN} = \frac{1}{1+8} = 0.11$$

(sensitivity) (b)

# **Precision**

What proportion of **positive predictions** is correct?

### Recall

FPR

( Specificity )

What proportion of actual positives is correct?

- **ROC** (Receiver Operating Characteristic) Curve Performance of a classification model at all classification thresholds
- **AUC (Area Under ROC curve)**

