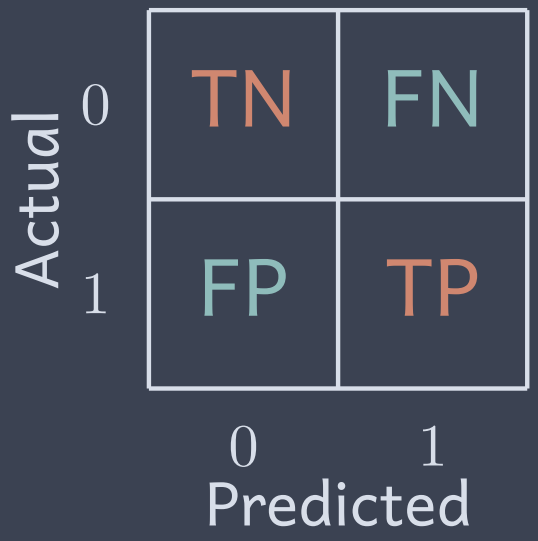
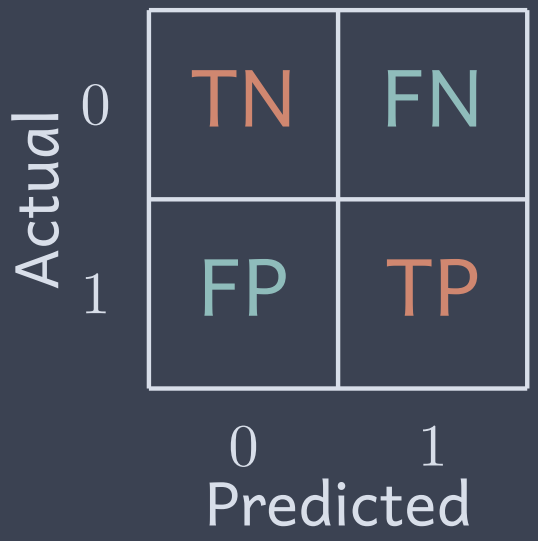


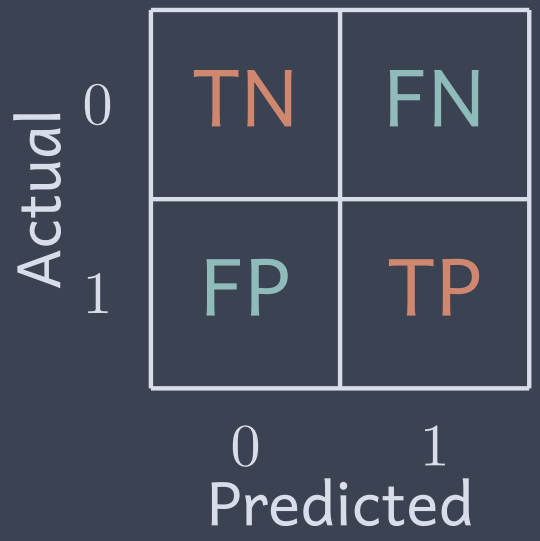
$$\text{Accuracy} = \frac{\text{TN} + \text{TP}}{\text{TN} + \text{TP} + \text{FN} + \text{FP}}$$



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

* Matthews Correlation Coefficient (MCC)

$$\text{MCC} = \frac{\text{TP} \times \text{TN} - \text{FP} \times \text{FN}}{[(\text{TP} + \text{FP}) \times (\text{TP} + \text{FN}) \times (\text{TN} + \text{FP}) \times (\text{TN} + \text{FN})]^{\frac{1}{2}}}$$

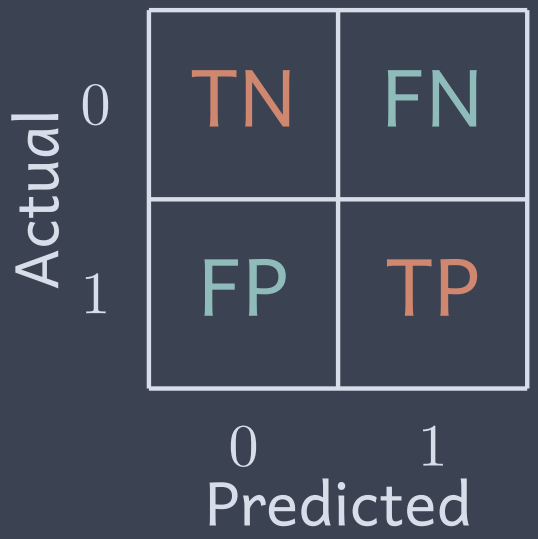


Diagonal = off-diagonal:

$$\mathrm{TP} \times \mathrm{TN} = \mathrm{FP} \times \mathrm{FN}$$

* Matthews Correlation Coefficient (MCC)

$$\mathrm{MCC} = \frac{0}{[\cdots]^{\frac{1}{2}}} = 0$$



Diagonal:

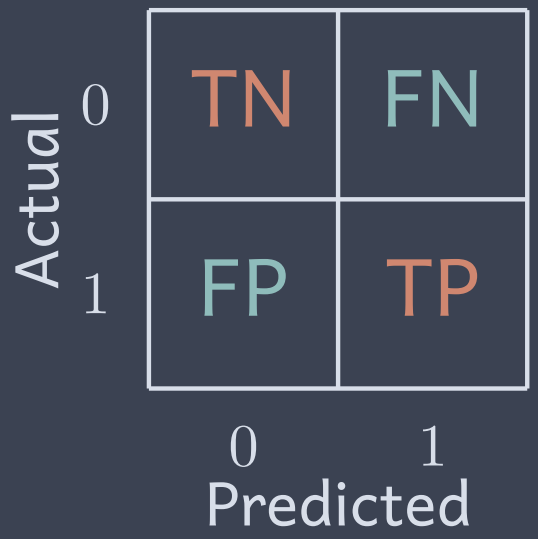
$\mathrm{FP} = \mathrm{FN} = 0$

$\mathrm{TP} \neq 0$

$\mathrm{TN} \neq 0$

* Matthews Correlation Coefficient (MCC)

$$\mathrm{MCC} = \frac{\mathrm{TP} \times \mathrm{TN} - 0}{[(\mathrm{TP} + 0) \times (\mathrm{TP} + 0) \times (\mathrm{TN} + 0) \times (\mathrm{TN} + 0)]^{\frac{1}{2}}} = 1$$



Anti-diagonal:

$\mathsf{TP} = \mathsf{TN} = 0$

$\mathsf{FP} \neq 0$

$\mathsf{FN} \neq 0$

* Matthews Correlation Coefficient (MCC)

$$\mathrm{MCC} = \frac{0 - \mathsf{FP} \times \mathsf{FN}}{[(0 + \mathsf{FP}) \times (0 + \mathsf{FN}) \times (0 + \mathsf{FP}) \times (0 + \mathsf{FN})]^{\frac{1}{2}}} = -1$$