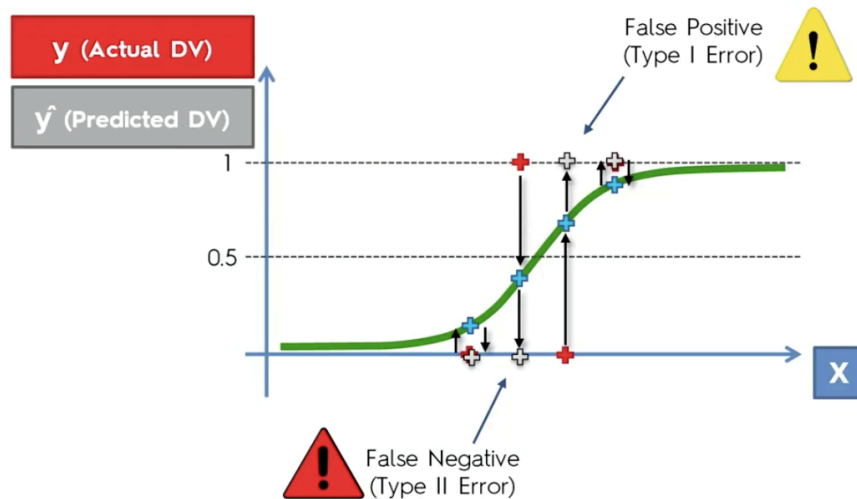


Confusion Matrix

Confusion Matrix



Confusion Matrix

	\hat{y} (Predicted DV)	
y (Actual DV)	0	1
	0	1

Confusion Matrix

	\hat{y} (Predicted DV)	
y (Actual DV)	0	1
	0	1

Confusion Matrix

		\hat{y} (Predicted DV)	
		0	1
y (Actual DV)	0		
	1		

Confusion Matrix

		\hat{y} (Predicted DV)	
		0	1
y (Actual DV)	0		
	1		

Confusion Matrix

		\hat{y} (Predicted DV)	
		0	1
y (Actual DV)	0		
	1		50

Confusion Matrix

		\hat{y} (Predicted DV)	
		0	1
y (Actual DV)	0		
	1		50



Confusion Matrix

		\hat{y} (Predicted DV)	
		0	1
y (Actual DV)	0	35	
	1		50

Confusion Matrix

		\hat{y} (Predicted DV)	
		0	1
y (Actual DV)	0	35	
	1		50

Confusion Matrix

		\hat{y} (Predicted DV)	
		0	1
y (Actual DV)	0	35	
	1		50



False Positive (Type I Error)

False Negative (Type II Error)

Data Science Training

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Confusion Matrix

		\hat{y} (Predicted DV)	
		0	1
y (Actual DV)	0	35	5 
	1	10 	50

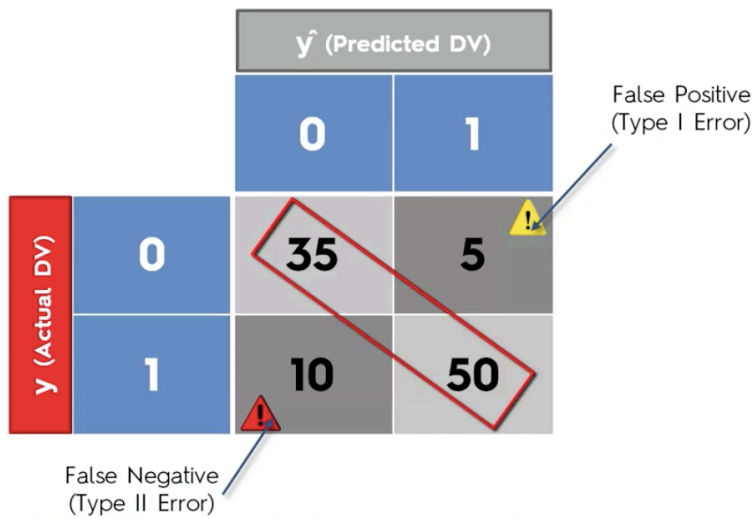
False Positive (Type I Error)

False Negative (Type II Error)

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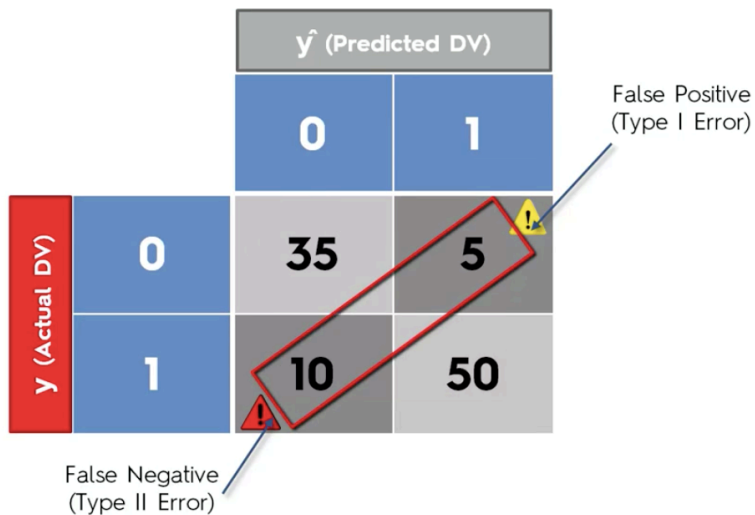
Confusion Matrix



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Confusion Matrix



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Confusion Matrix

		\hat{y} (Predicted DV)	
		0	1
y (Actual DV)	0	35	5
	1	10	50

False Positive
(Type I Error)

Calculate two rates

1. Accuracy Rate = Correct / Total
AR = 85/100 = 85%

False Negative
(Type II Error)

Confusion Matrix

		\hat{y} (Predicted DV)	
		0	1
y (Actual DV)	0	35	5
	1	10	50

False Positive
(Type I Error)

Calculate two rates

1. Accuracy Rate = Correct / Total
AR = 85/100 = 85%

2. Error Rate = Wrong / Total
ER = 15/100 = 15%

False Negative
(Type II Error)