Statistics:

	Test: hypothesis true	Test: hypothesis false
Reality: true	+	Type I error
Reality: false	Type II error	+

Machine learning:

TP= true positive, TN=true negative, FP=false positive, FN=false negative

	Prediction of model: positive	**Prediction of model: negative**
Truth: positive	TP	FN
Truth: negative	FP	TN

Machine learning:

True positive rate $= \frac{\mathrm{TP}}{\mathrm{TP} + \mathrm{FN}}$ true negative rate $= \frac{\mathrm{TN}}{\mathrm{TN} + \mathrm{FP}}$

(total) accuracy $= \frac{\mathrm{TP} + \mathrm{TN}}{\mathrm{TP} + \mathrm{TN} + \mathrm{FP} + \mathrm{FN}} = \frac{\mathrm{TP} + \mathrm{TN}}{\mathrm{N}}$

positive predictive value $= \frac{\mathrm{TP}}{\mathrm{TP} + \mathrm{FP}}$ negative predictive value $= \frac{\mathrm{TN}}{\mathrm{TN} + \mathrm{FN}}$

Medical informatics:

sensitivity = true positive rate specificity = true negative rate

Information retrieval:

precision = positive predictive value $= \frac{\mathrm{TP}}{\mathrm{TP}+\mathrm{FP}} = p$

F measure $= \frac{2pr}{p+r}$

recall = true postive rate = sensitivity $= \frac{\mathrm{TP}}{\mathrm{TP}+\mathrm{FN}} = r$

Error rates in fault diagnostics or biometric verfication/identification:

false acceptance rate (FAR)= FP

false rejection rate (FRR) = FN

Note! All the accuracy and error measures defined are also used as percent values.