Massification Mulio (PRECISION). There are 2 models to model lave some u spam or not. Both accuracy which model should be elected spo laudiction Model A -> Spam Not spam 100 170(FN) Actual 20(FP) 700 Not span Prediction Not span 190 (FN) J-> False positive: (Type 1 error) When model predicted email to be spann, but actually it was not.

False Negative (7ype 11 error) When model predicted email not spans, but it was actually a spans Identify which error is dangulous Example: · company sent you mail.

regarding that you are placed · But model sent it to sporm.
but it was not a sporm.

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	dangerous in this situation
	dangerous in this situation
\longrightarrow	Honce you will select a model
	which have less False positive
	error il model B will by
	Honce you will select a model unit have less False positive error il model B will by selected.
\rightarrow	
	This is called precision.
\rightarrow	Paravisian ' all but - paparation of
	Desidicted Dusitività Des Octually
j	Precision! What proportion of poudicted positives are actually positives.
	= TP - Actual positives
	(TP+FP) -> budicted positives
7.1.	(TP+FP) -> budicted positives
,	and colors in the colors to
->	Model's A precision = .100 = 100=0
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4 (2)	Models B precision = 100 = 100=90
7	Models B prudsion = 100 = 100
	100+10 110
	Survivor DO 1 0 1 0
	since Model's B precision is more model B should be selected
	should be selected
	mi this situation:
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415	High Precision indicates, less false
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In this situation, False negatives are more dangerous is more delated concer, when it actually has concer. · Hence we will seltet that model which has 'less False negative book · Since Model A has liss False Megatiu, it will be selected . This is called Recall. Recall: - What proportions of positives are orrectly classified. = TP TP+FN Model A's recall = 1000 = 0.83 1000 + 200 mental property of the second 738 , a day 1 and 1 and 10 and Model B's rucall = 1000 = 0.66 · Since model's A recall is more, model's A will be select. · Higher Recall in dicates, less False negative