## Confusion Matrix Notes

* * *	**	Predicted Positives	Predicted Negatives	The state of the s	
	Correct	ê	Ñ	Incorrect	
	Classifications	-		Classifications	
***	7	, V	The state of the s	IF MAN MAN	
144		(TP)	(FN)		
		TP: recall or sensitivity	EN imiss rate (1-sensitivity)	) Summary Metrics:	
2 2 2	Actual Do	("TIPR") ex power	("FNR")	All accuracy	
	Positives P	TP, precision			
14. 1		P		avg (sensitively specificity), accuracy	
the state of		(FP)	FN	harmonic_arg (precision recoll): F±	
1	4 S	F fall-out (1-specificity)	TN: specificity	Cheavily punish any low scare,	
	Actual No	("FIR")	("THR") WEIR	and normalize previous recult	
	Negatives N	1		since they have different denominatures.	
1410	1 Vegation	The state of the s		F1 = 1/prevision = 2 TP	
				1 / FEGAT / PICO.	
Use sensitivity,		THE RESERVE TO BE SEEN TO	All		
specificity, and bedonced occurrents	TP./	TP: (sensitivity) How good are we at catching all the positive cases there were?			
where performed for mere for services and method is a quality meganises is a quality important.	p · ( Sensitivit	p ( sensitivity)			
important.	N. (specificio	This (specificity) How good are we set catching all the negative cases there were?			
Use recall,	TP ( (   1)	TP: ( II) H Co is no at addisonal the state of the st			
precision, and	The (recall) How safe are we at catching all the positive cases there were?				
unbalanced data	子 (precision) How efficient istour positive predictor? (consider other side, 等; how wastef-1: 1:1?)				
where performance for positives					
matters most (100)	To (power). How likely are we to correctly reject the null hypothesis,				
Safety And efficiency	(so given that the alternative hypothesis is correct) using our decision threshold/clossified				
accuracy is fine		Ho HA D: a (chance of Type I error; Ho true, thoughtfolse)			
halenced data.	1. 1-B (power; chance of HA true, correctly founting				
1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C	190° 14, 11 14	71-6			
1 1 1 K	A STATE OF THE STA				
The state of	ROC curve: sensitivity & (1- specificity) Precision-Recall curve:				
	(receiver-operating	) characteristic) Useful for bulan	red. B	Better than ROC for unbulanced	
4.4	TPR (seasitivity)	High AUC good.	Previous HI	ligh AUC good. (even when positive small are but rate)	
62	1 1/2	The state of the s			
	(Inspecificity) unbalanced with equally often doesn't reach o precision important postularity of FPK jets inconstant for unbalanced of for belanced data.				