Error Metrics for Skewed Classes

ex. Cancer classification

1% error on test (99% 73年72年)

BUT, 0.50% et of 40 12?

经部时间各外型、

0.5% error on test %!

·· accuracy 2003 25 mot x

Precision/Recall

		Act	nal	Precision	BICALTERNAL DIAMETER DIAMETER DEL
		1	D	TP/(TP+FP)	And the second control of the second control
Redicted	1	TP	FP	Recall	
	0	FN	TN	TP/(TP+FN) recall	/ = 0

* y=1 in presense of vare class that we want to detect

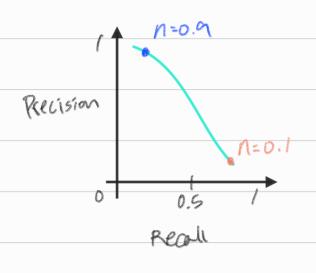
Trading Off Precision and Recall

Logistic regression: DS hobe) SI

Predict 1 if $ho(z) \ge n$

Predict 0 if ho(x) < (1-n)

(記せかりまる 単名)
ハの 美一門: Higher precision, Lower recall
ハの は空間: Lower precision, Higher recall
(注きといる となまれるのとなまる)



Average: P+R (not a good \$92)

Fiscore: 2 PR (good!)

Por R = 이번 矩势