

Micro-Averaging of Precision and Recall

	c_1	c_2	c_3	...	c_k
d_1	y(+)	y(-)	n(+)		n(+)
d_2	y(-)	n(+)	y(+)		n(+)
d_3	n(+)	n(+)	y(+)		n(+)
...					
d_N			

First pool all decisions,
then compute precision and recall



$$\text{Precision} = \frac{TP}{TP + FP}$$

$$\text{Recall} = \frac{TP}{TP + FN}$$

	System ("y")	System ("n")
Human (+)	True Positives (TP)	False Negatives (FN)
Human (-)	False Positives(FP)	True Negatives(TN)