

Basic Statistics Terms • Sample mean – average of a sample of numbers mean = $\overline{y} = \frac{1}{n} (y_1 + y_2 + y_3 + ... + y_n)$ • Sample median – middle (in sorted order) of a sample of numbers • Sample mode – sample value appearing most frequently • variance = var_y = $s_y = \frac{(y_1 - \overline{y})^2 + (y_2 - \overline{y})^2 + (y_3 - \overline{y})^2 + ... + (y_n - \overline{y})^2}{n-1}$ • standardleviation: $s_y = \sqrt{s_y^2}$









	Predicted				
1.5			Positive	Negative	Total
	al	Positive	True Positive (TP)	False Negative (FN)	#Positives
57	Actu	Negative	False Positive (FP)	True Negative (TN)	#Negatives
		Total	TP+FP	FN+TN	#Examples
	Ei Re Pr Ti	rror = (FP+ ecall (sens recision = rue Negati alse Positiy	-FN) / #Examples itivity, true positi TP / (FP+TP) ve Rate (specifici ve Rate = FP / (FF	; ve rate) = TP / #Pos ty) = TN / #Negati P+TP)	sitives ves
1	E E	alse Positi	ve Rate (specific) ve Rate = $FP / (FI$	P+TP)	103













































