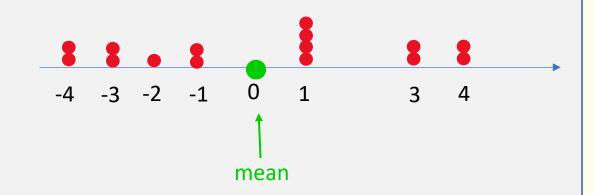


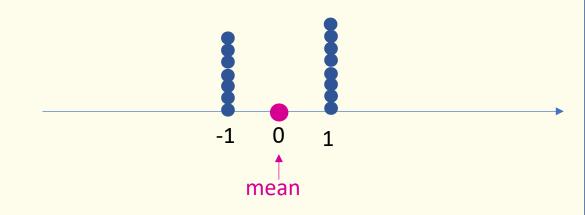
$$v = [-4, -4, -3, -3, -2, -1, -1, 1, 1, 1, 1, 3, 3, 4, 4]$$

$$meav(v) = 0, \qquad median = 1$$

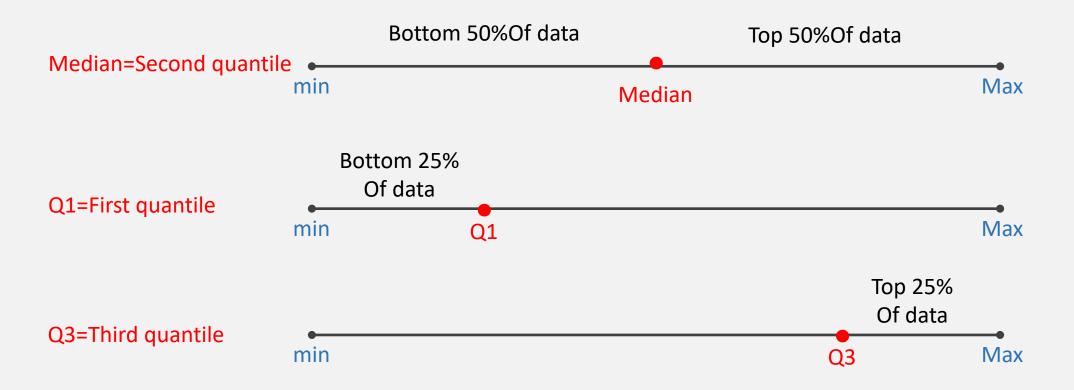
$$w = [-1, -1, -1, -1, -1, -1, -1, 1, 1, 1, 1, 1, 1, 1, 1]$$

$$meav(w) = 0, \qquad median(w) = 1$$

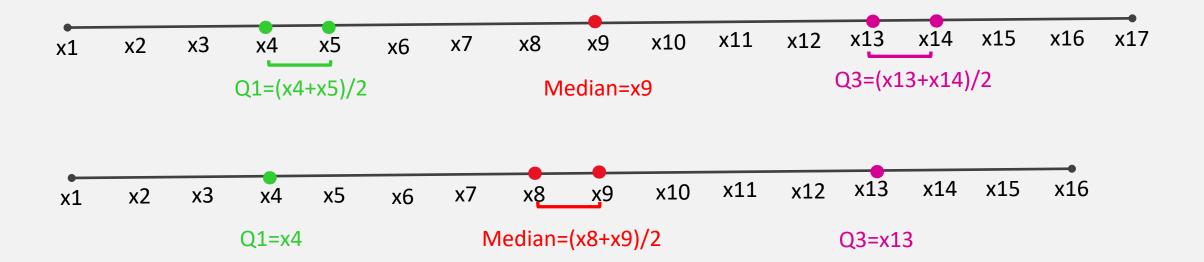




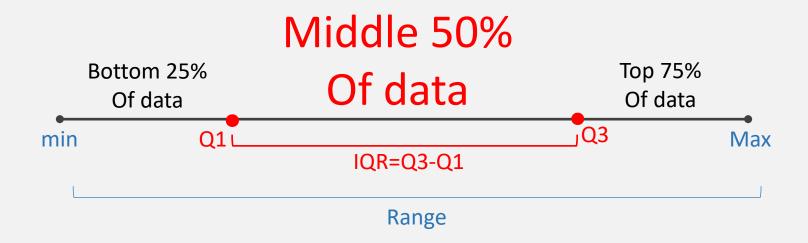
Quantiles



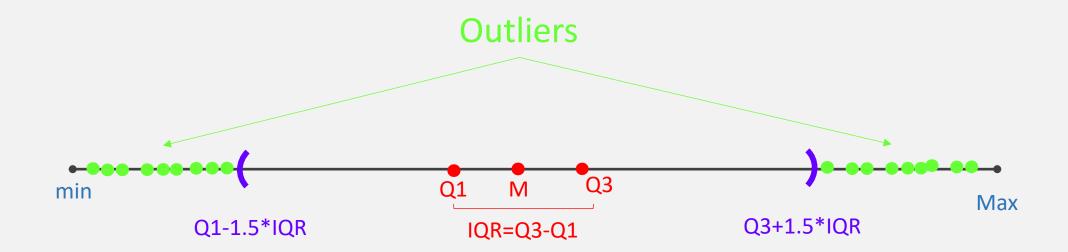
Quantiles

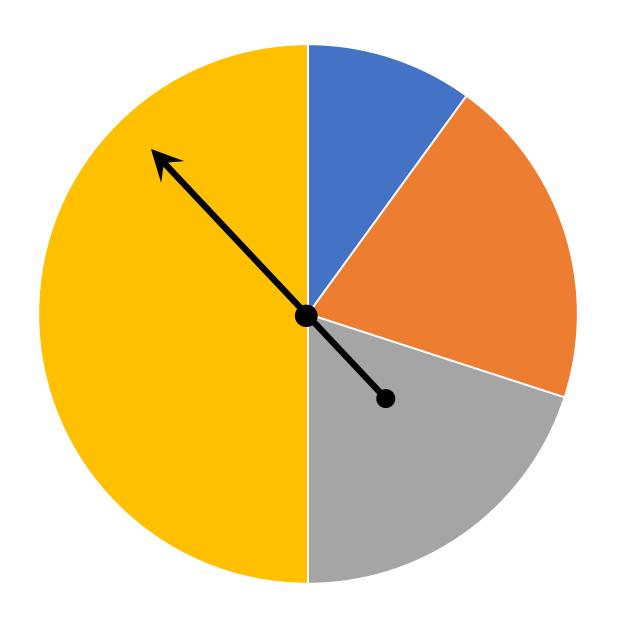


Interquartile Range (IQR)

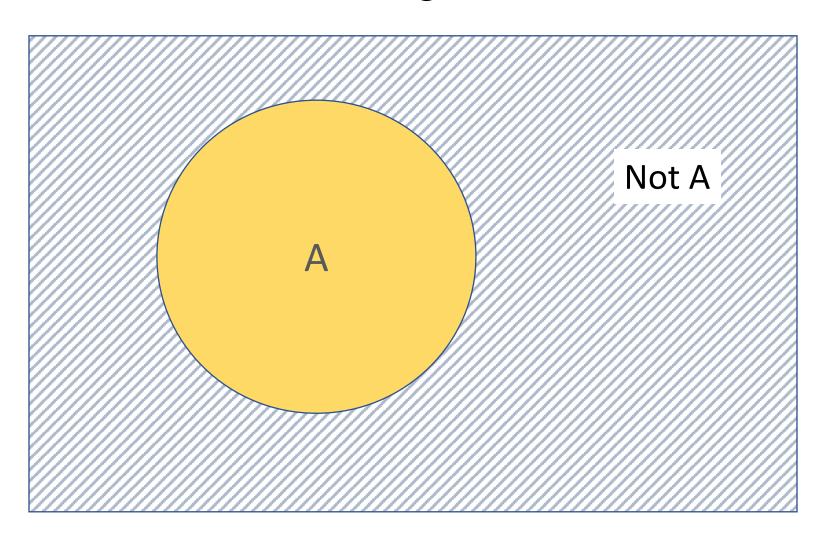


Outliers

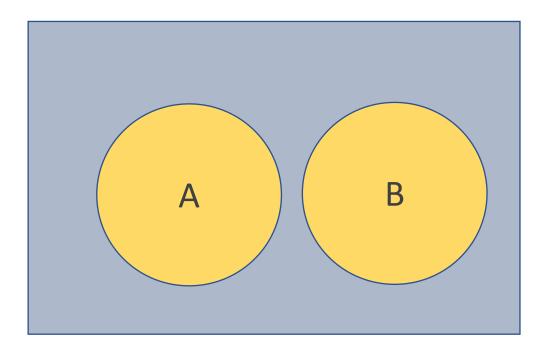




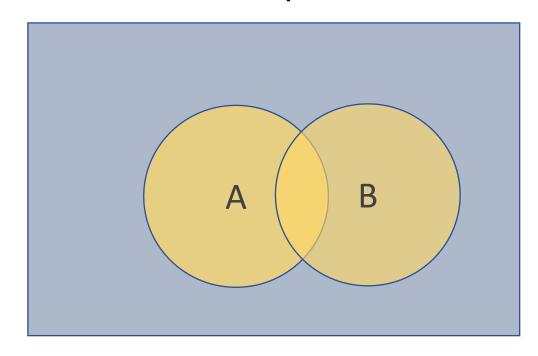
Highest Level of Education Attained	Probability
Below high school	0.063
Some high school	0.085
High school degree	0.322
Some college	0.168
College degree	0.181
Graduate or professional degree	0.095



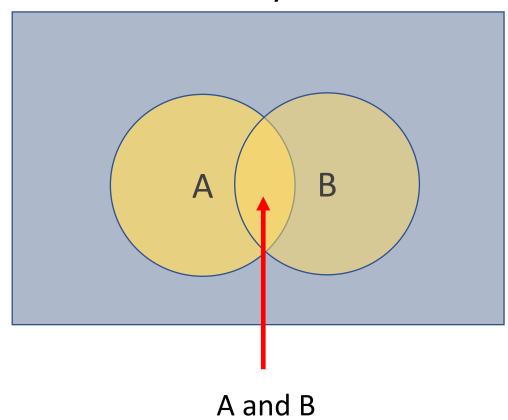
Mutually Exclusive



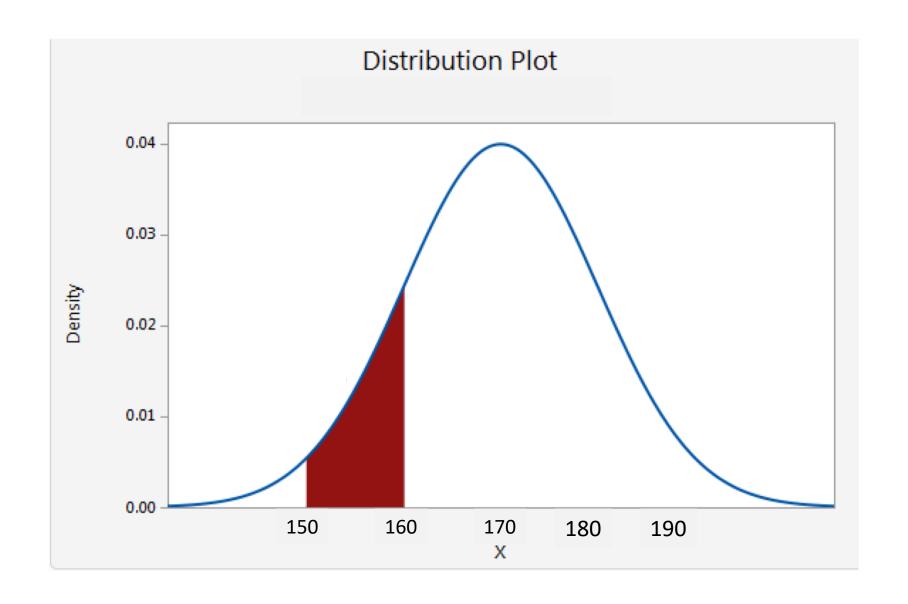
Non-Mutually Exclusive

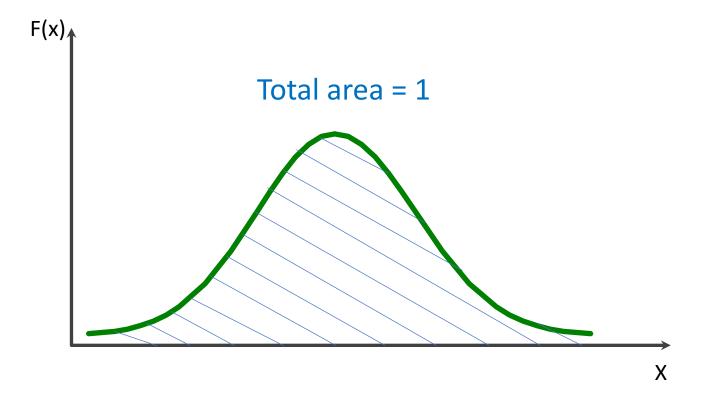


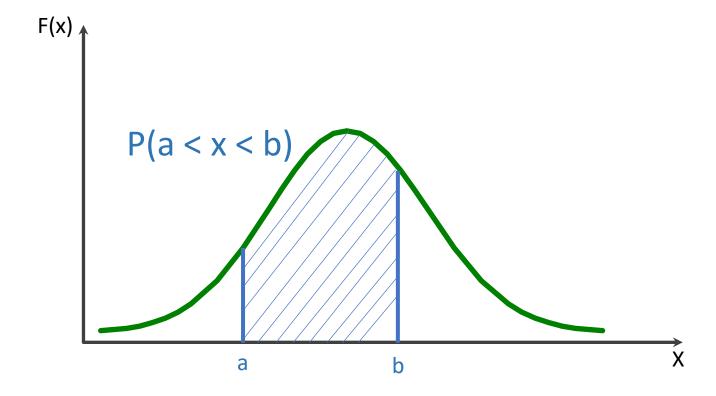
Non-Mutually Exclusive

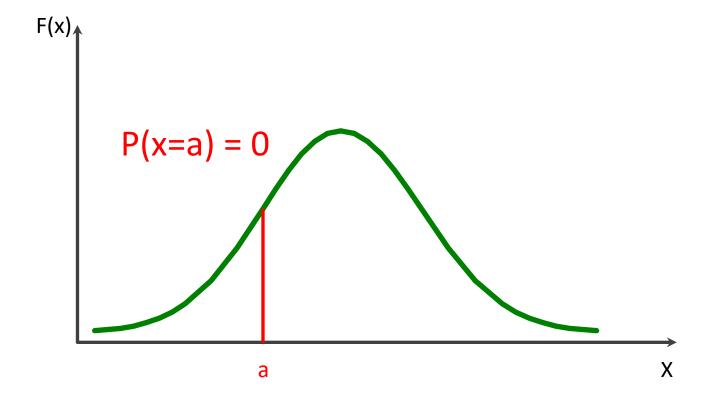


	В	not B	Total
A	0.75	0.15	0.90
not A	0.05	0.05	0.10
Total	0.80	0.20	1.00

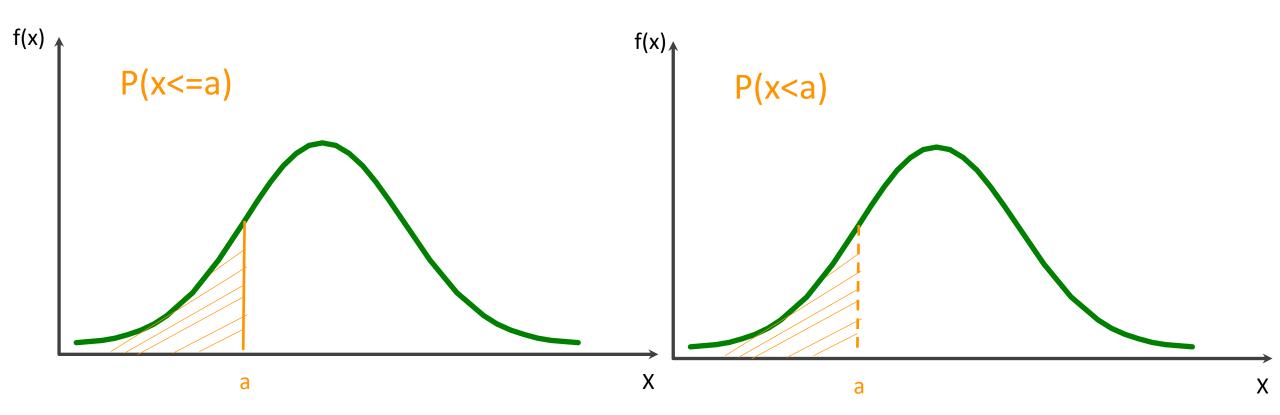


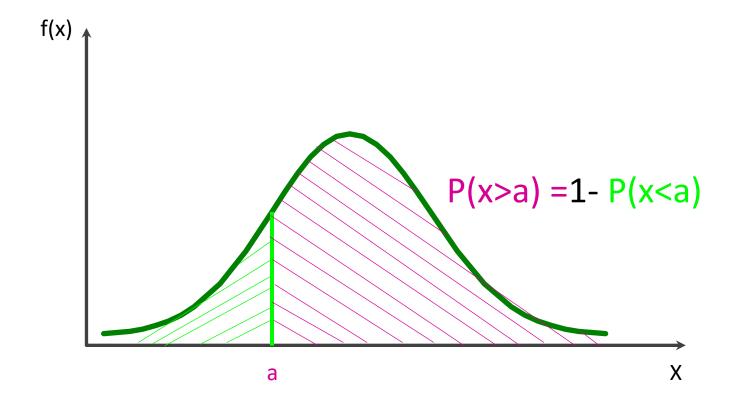






$$P(x <= a) = P(x < a)$$





		Population (parameter)	Sample (Statistic)
Categorical Variable	Proportion	P=population proportion	$\widehat{m p}$ = $_{sample}$
Numerical Variable	Mean	μ =population mean	\overline{x} =sample mean
	Standard Deviation	σ =population standard deviation	S= sample standard deviation