



Be greater than

$$B > \frac{1}{n} \sum_{i=1}^n x_i$$

average



$$\begin{pmatrix} 1 & x_{21} & \dots & x_{k1} & 0 & 1 \\ 1 & x_{22} & \dots & x_{k2} & 1 & 0 \\ 1 & x_{23} & \dots & x_{k3} & 0 & 1 \\ 1 & x_{24} & \dots & x_{k4} & 1 & 0 \\ \vdots & \vdots & \ddots & \vdots & \vdots & \vdots \\ 1 & x_{2n} & \dots & x_{kn} & 0 & 1 \end{pmatrix}$$

IT'S A TRAP!

$$P(A|B) = \frac{P(B|A)P(A)}{P(B)}$$