

INTERVIEW QUESTION

Normal Model

$$\left\{ \begin{array}{l} \mu = 1500 \\ \sigma = 300 \end{array} \right.$$

68%

$$\hookrightarrow \mu - \sigma \text{ to } \mu + \sigma$$

$$1500 - 300 \text{ to } 1500 + 300$$

$$\underline{1200 \text{ to } 1800}$$

95%

95%

$$\hookrightarrow \mu - 2\sigma \text{ to } \mu + 2\sigma$$

$$1500 - 2 \times 300 \text{ to } 1500 + 2 \times 300$$

$$1500 - 600 \text{ to } 1500 + 600$$

$$\underline{900 \text{ to } 2100}$$



$$\underline{2=2}$$

$$z > 3$$

→ Detect outliers

→ Boxplot