

X - RANDOM VARIABLE

GROUND TRUTH

$$X \sim \text{NORMAL}(\mu, \sigma)$$

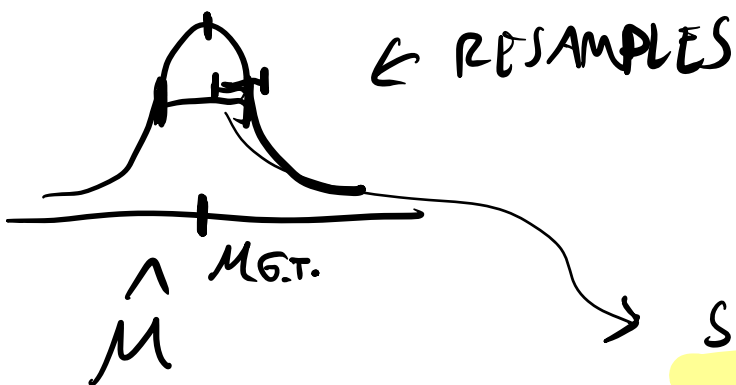
SAMPLE $X_1 \dots X_{\text{NOBS}}$

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$$\text{MEAN}(X_1 \dots X_{\text{NOBS}}) = \hat{\mu} \leftarrow$$

$$\text{STDEV}(X_1 \dots X_{\text{NOBS}}) = \hat{\sigma}$$

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STDMU\_HAT

UNCERTAINTY IN  
ESTIMATE  $\hat{\mu}$

STDMU-MAT-FROM-BS

STDMU-MAT-FROM-HS

"HIGH SCHOOL"

STDMU-MAT-FROM-HS =

$$= \frac{\hat{\sigma}^2}{\sqrt{N_{OBS}}}$$

