

Lecture5-6.svg

Data → 10, 12, 12, 16, 16, 17, 10, 10, 10

Basic

mode → 10

median → 4 & 5 ⇒ 16 & 16

mean → $\frac{\text{sum}}{\text{No. of data points}} = \bar{X}$

variance → $\frac{(N_1 - \bar{X})^2 + (N_2 - \bar{X})^2 + \dots}{\text{No. of data points}}$

S.D → $\sqrt{\text{variance}}$

10 15 ± 3
12 15 18

Statistics

$\frac{9}{2} \Rightarrow 4.5$

→ hypothesis test

→ probability test →

↳ correlation b/w data columns

↳ dependence/independence

↳ normalize ✓ → Shapiro

1 | 2 | 3 | 4 | 5

0 | . | . | . | .

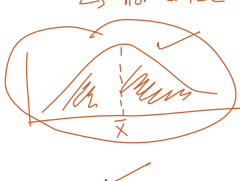
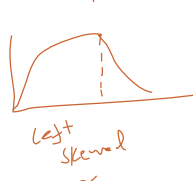
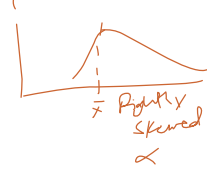
dir

Logit/Prop/Advanced

Difference b/w ←

t-test & paired t-test

Quiz → 5 min 5 Qs

$P = \text{Annova}(\text{dat})$

stat, $P = \text{stapito}(\text{dat})$

X	Y
1	2
2	4
3	6
4	8
5	10

$y = 2x$
 $= 2(1)$
 $= 2$
 $= 2(2)$
 $\rightarrow 4$

Linear Relation