

Test of Normality: test if pop distriis normal using a raindom sample from that pop

the pop is normal

the pop is NOT normal

>> p-value = large >> pop is normal small >> \_\_\_\_\_ Not normal

Recap: to examine if a sample is from a pop that is normal: Shist + normal density were }

Normality test → Shapiro Wilk test
 in R: shapiro.test (2)

Weight of males & Females (gender affects weight)

Mr = 3.3 X

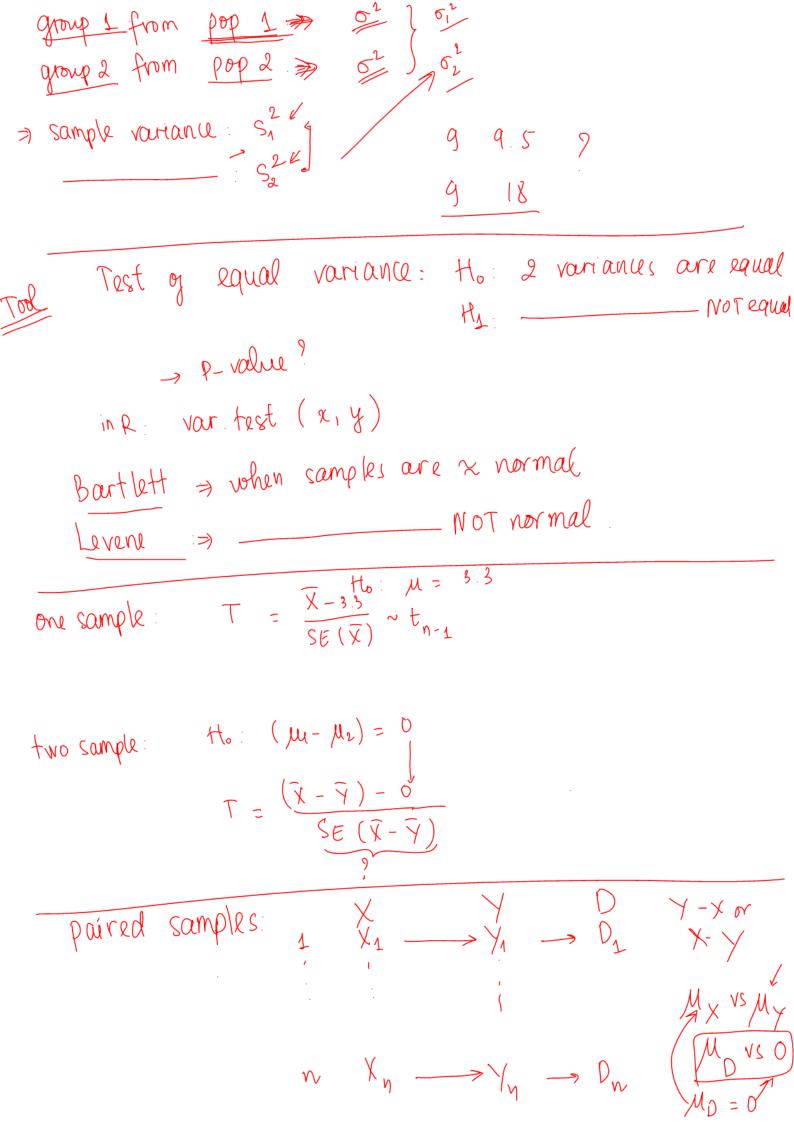
> Males): 100 pp 3 7 X -> M2

Females 100 pp = X Y > M1

 $M_1$  VS  $M_2$ :  $H_0$ :  $M_1 - M_2$  = 0

Hy: M-M2 +0E

70 €



Bart lett fest test if variances of groups are the same.

>) used if the groups are normal.

the the variances are the same

Lovene test -> similar to bartlett test but for groups -> non normal