

Set 1	Set 2
12.45	14.41
16.38	15.10
17.77	15.11
18.10	15.46
18.85	16.84
19.00	16.99
19.10	18.10
19.12	
19.15	
19.28	

GRUBB'S TEST

SET 1	
AVERAGE:	17.92
STAND.D:	2.123246989
Tmax:	0.640528401
Tmin:	2.576242909

since 2.58 is greater than 2.29, H0 is rejected, 12.45 is an outl

F-TEST

H0: THE VARIANCES ARE EQUAL
H1: THE VARIANCES ARE DIFFERENT

SET1		SET 2	
MEAN:	18.53	MEAN:	
VARIANCE:	0.916019444	VARIANCE:	
N:	9	N:	
D.O.F:	8	D.O.F:	
F-TEST:	1.913621262		
F CRITICAL VALUE	5.599623005		

Since F is smaller than F critical value, we accept H0, the varia

t-TEST

H0: THE MEANS ARE EQUAL
H1: THE MEANS ARE DIFFERENT

D.O.F:	14	Sp2:	
t-TEST:	4.440190496		
t CRITICAL VALUE:	2.144786688		

Since t-test is greater than t critical value, we reject H0, the m

H0: there is no outliers
H1: there is exactly one outlier

SET 2
AVERAGE: 16.00
STAND.D: 1.323977
Tmax: 1.585052
Tmin: 1.202006

ier

since 1.58 is smaller than 2.02, H0 is accepted, there is no

16.00
1.752914286
7
6

ALPHA: 0.05

means are equal

1.274688662

means are different

o outliers.