## 

## Exercise 7.2

F-Test Two-Sample for	Variance

	Variable 1	Variable 2
Mean	52.91333333	44.23333333
Variance	233.1289718	190.1758192
Observations	60	60
df	59	59
F	1.225860221	
P(F<=f) one-tail	0.21824624	
F Critical one-tail	1.539956607	

0.49540249 Interreptation — Exect not significant therefore data consistent with the paymenting that the population variances are similar in males and formation.

t-Test: Two-Sample Assuming Equal Variances		Assumptions:	Data normally distributed (could do Equal variances (tested above with
	Variable 1	Variable 2	
Mean	52.91333333	44.233333333	-
Variance	233.1289718	190.1758192	
Observations	60	60	
Pooled Variance	211.6523955		
Hypothesized Mean Difference	0		
df	118		
t Stat	3.267900001		
P(T<=t) one-tail	0.000709735		
t Critical one-tail	1.657869522		
P(T<=t) two-tail	0.00141947		
t Critical two-tail	1.980272249		

8.68 Interpretation Strong evidence that the underlying mean income for males is larger than for females, with an average of 8.68