

Chow test, 2nd Example, Vartanian
All observations

Dependent Variable: LOGINC

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	5	1726.37301	345.27460	244.011	0.0001
Error	5669	8021.61314	1.41500		
C Total	5674	9747.98615			

Root MSE	1.18954	R-square	0.1771
Dep Mean	10.15512	Adj R-sq	0.1764
C.V.	11.71365		

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > T
INTERCEP	1	8.210151	0.06602134	124.356	0.0001
PUBHOUSE	1	-0.884119	0.07723876	-11.447	0.0001
BIGCIT	1	0.025117	0.03994802	0.629	0.5295
URBAN	1	0.050749	0.03433397	1.478	0.1394
EDHD	1	0.151020	0.00505291	29.888	0.0001
KIDS	1	0.079106	0.01372875	5.762	0.0001

African Americans

Dependent Variable: LOGINC

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	5	183.22598	36.64520	62.312	0.0001
Error	2206	1297.33643	0.58809		
C Total	2211	1480.56241			

Root MSE	0.76687	R-square	0.1238
Dep Mean	9.53609	Adj R-sq	0.1218
C.V.	8.04180		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > T
INTERCEP	1	8.153511	0.10649435	76.563	0.0001
PUBHOUSE	1	-0.606109	0.07376018	-8.217	0.0001
BIGCIT	1	0.167232	0.05986530	2.793	0.0053
URBAN	1	0.024699	0.06201192	0.398	0.6905
EDHD	1	0.120092	0.00870270	13.799	0.0001
KIDS	1	0.012671	0.02066707	0.613	0.5399

Non-African Americans

Dependent Variable: LOGINC

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	5	1343.77842	268.75568	142.783	0.0001
Error	3457	6507.00113	1.88227		
C Total	3462	7850.77955			
Root MSE	1.37196	R-square	0.1712		
Dep Mean	10.25376	Adj R-sq	0.1700		
C.V.	13.38005				

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > T
INTERCEP	1	8.286890	0.08341444	99.346	0.0001
PUBHOUSE	1	-0.812364	0.12522609	-6.487	0.0001
BIGCIT	1	0.084946	0.05232342	1.623	0.1046
URBAN	1	0.097677	0.04260870	2.292	0.0219
EDHD	1	0.146533	0.00636015	23.039	0.0001
KIDS	1	0.116218	0.01766434	6.579	0.0001

Interactive model

Dependent Variable: LOGINC

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	10	1942.87446	194.28745	140.990	0.0001
Error	5664	7805.11169	1.37802		
C Total	5674	9747.98615			
Root MSE	1.17389	R-square	0.1993		
Dep Mean	10.15512	Adj R-sq	0.1979		
C.V.	11.55960				

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > T
INTERCEP	1	8.265436	0.06538033	126.421	0.0001
PUBHOUSE	1	-0.807702	0.10696680	-7.551	0.0001
BIGCIT	1	0.085815	0.04475459	1.917	0.0552
URBAN	1	0.098325	0.03644714	2.698	0.0070
EDHD	1	0.148089	0.00503075	29.437	0.0001
KIDS	1	0.116477	0.01511023	7.708	0.0001
AFBIGCIT	1	0.070288	0.10072607	0.698	0.4853
AFURBAN	1	-0.080500	0.10118871	-0.796	0.4263
AFEDHD	1	-0.036300	0.00583474	-6.221	0.0001
AFKIDS	1	-0.105705	0.03494276	-3.025	0.0025
AFPUBH	1	0.185427	0.15315556	1.211	0.2261

Answer

$$F_{6,5663} = \frac{\frac{8021.61 - (1297.34 + 6507.00)}{6}}{\frac{(1297.34 + 6507.00)}{(5675 - 12)}} =$$
$$\frac{\frac{217.27}{6}}{\frac{7804.34}{5663}} =$$
$$\frac{36.21}{1.378} = 26.27$$