

Exercício C8.7

i)

Equação 1: Estimação OLS

Dependent Variable: APPROVE

Method: Least Squares

Sample (adjusted): 1 1988

Included observations: 1971 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.936731	0.052735	17.76286	0.0000
WHITE	0.128820	0.019732	6.528573	0.0000
HRAT	0.001833	0.001263	1.451069	0.1469
OBRAT	-0.005432	0.001102	-4.930033	0.0000
LOANPRC	-0.147300	0.037516	-3.926334	0.0001
UNEM	-0.007299	0.003198	-2.282354	0.0226
MALE	-0.004144	0.018864	-0.219680	0.8261
MARRIED	0.045824	0.016308	2.809965	0.0050
DEP	-0.006827	0.006701	-1.018807	0.3084
SCH	0.001753	0.016650	0.105257	0.9162
COSIGN	0.009772	0.041139	0.237539	0.8123
CHIST	0.133027	0.019263	6.905924	0.0000
PUBREC	-0.241927	0.028227	-8.570625	0.0000
MORTLAT1	-0.057251	0.050012	-1.144747	0.2525
MORTLAT2	-0.113723	0.066984	-1.697775	0.0897
VR	-0.031441	0.014031	-2.240760	0.0252
R-squared	0.165582	Mean dependent var		0.876205
Adjusted R-squared	0.159180	S.D. dependent var		0.329431
S.E. of regression	0.302076	Akaike info criterion		0.451808
Sum squared resid	178.3935	Schwarz criterion		0.497156
Log likelihood	-429.2569	Hannan-Quinn criter.		0.468471
F-statistic	25.86339	Durbin-Watson stat		2.008012
Prob(F-statistic)	0.000000			

Equação 2: estimação robusta à heterocedasticidade

Dependent Variable: APPROVE

Method: Least Squares

Date: 02/26/09 Time: 13:29

Sample (adjusted): 1 1988

Included observations: 1971 after adjustments

White Heteroskedasticity-Consistent Standard Errors & Covariance

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.936731	0.059389	15.77290	0.0000
WHITE	0.128820	0.025869	4.979625	0.0000
HRAT	0.001833	0.001467	1.249457	0.2116
OBRAT	-0.005432	0.001331	-4.081031	0.0000
LOANPRC	-0.147300	0.037835	-3.893217	0.0001
UNEM	-0.007299	0.003712	-1.966205	0.0494
MALE	-0.004144	0.019304	-0.214673	0.8300
MARRIED	0.045824	0.017237	2.658417	0.0079
DEP	-0.006827	0.006904	-0.988930	0.3228
SCH	0.001753	0.017146	0.102211	0.9186

COSIGN	0.009772	0.039582	0.246882	0.8050
CHIST	0.133027	0.024620	5.403148	0.0000
PUBREC	-0.241927	0.042792	-5.653531	0.0000
MORTLAT1	-0.057251	0.066223	-0.864515	0.3874
MORTLAT2	-0.113723	0.091070	-1.248751	0.2119
VR	-0.031441	0.014485	-2.170505	0.0301
<hr/>				
R-squared	0.165582	Mean dependent var	0.876205	
Adjusted R-squared	0.159180	S.D. dependent var	0.329431	
S.E. of regression	0.302076	Akaike info criterion	0.451808	
Sum squared resid	178.3935	Schwarz criterion	0.497156	
Log likelihood	-429.2569	Hannan-Quinn criter.	0.468471	
F-statistic	25.86339	Durbin-Watson stat	2.008012	
Prob(F-statistic)	0.000000			

ii) Série dos valores ajustados: approvef

Sample: 1 1989

APPROVEF	
Mean	0.876205
Median	0.913883
Maximum	1.172988
Minimum	0.227345
Std. Dev.	0.134051
Skewness	-1.498912
Kurtosis	5.811763
Jarque-Bera	1387.335
Probability	0.000000
Sum	1727.000
Sum Sq. Dev.	35.40048
Observations	1971

Classificação dos valores ajustados por classes

Descriptive Statistics for APPROVEF

Categorized by values of APPROVEF

Sample (adjusted): 1 1988

Included observations: 1971 after adjustments

APPROVEF	Mean	Std. Dev.	Obs.
[0.2, 0.4)	0.348216	0.046333	19
[0.4, 0.6)	0.512816	0.058913	80
[0.6, 0.8)	0.730647	0.055913	327
[0.8, 1)	0.915925	0.051905	1332
[1, 1.2)	1.034860	0.032979	213
All	0.876205	0.134051	1971