

Appendix for Question 2

Question 2(a)

Dependent Variable: HOUSTNSA					
Method: Least Squares					
Date: 05/26/22 Time: 16:05					
Sample: 1959M01 2022M02					
Included observations: 758					
Variable	Coefficient	Std. Error	t-Statistic	Prob.	
C	92.87143	4.196054	22.13304	0.0000	
JAN	-4.591741	5.910891	-0.776827	0.4375	
FEB	-1.935491	5.910891	-0.327445	0.7434	
MAR	26.18413	5.934117	4.412472	0.0000	
APR	41.45238	5.934117	6.985434	0.0000	
MAY	46.78571	5.934117	7.884191	0.0000	
JUN	46.26349	5.934117	7.796188	0.0000	
JUL	40.93651	5.934117	6.898500	0.0000	
AUG	38.71429	5.934117	6.524018	0.0000	
SEP	32.25238	5.934117	5.435077	0.0000	
OCT	36.16984	5.934117	6.095236	0.0000	
NOV	15.60000	5.934117	2.628866	0.0087	
R-squared	0.239409	Mean dependent var		119.2789	
Adjusted R-squared	0.228194	S.D. dependent var		37.91031	
S.E. of regression	33.30515	Akaike info criterion		9.865006	
Sum squared resid	827487.8	Schwarz criterion		9.938315	
Log likelihood	-3726.837	Hannan-Quinn criter.		9.893239	
F-statistic	21.34696	Durbin-Watson stat		0.118063	
Prob(F-statistic)	0.000000				

Question 2(c)

Figure 1

Correlogram of Residuals Squared

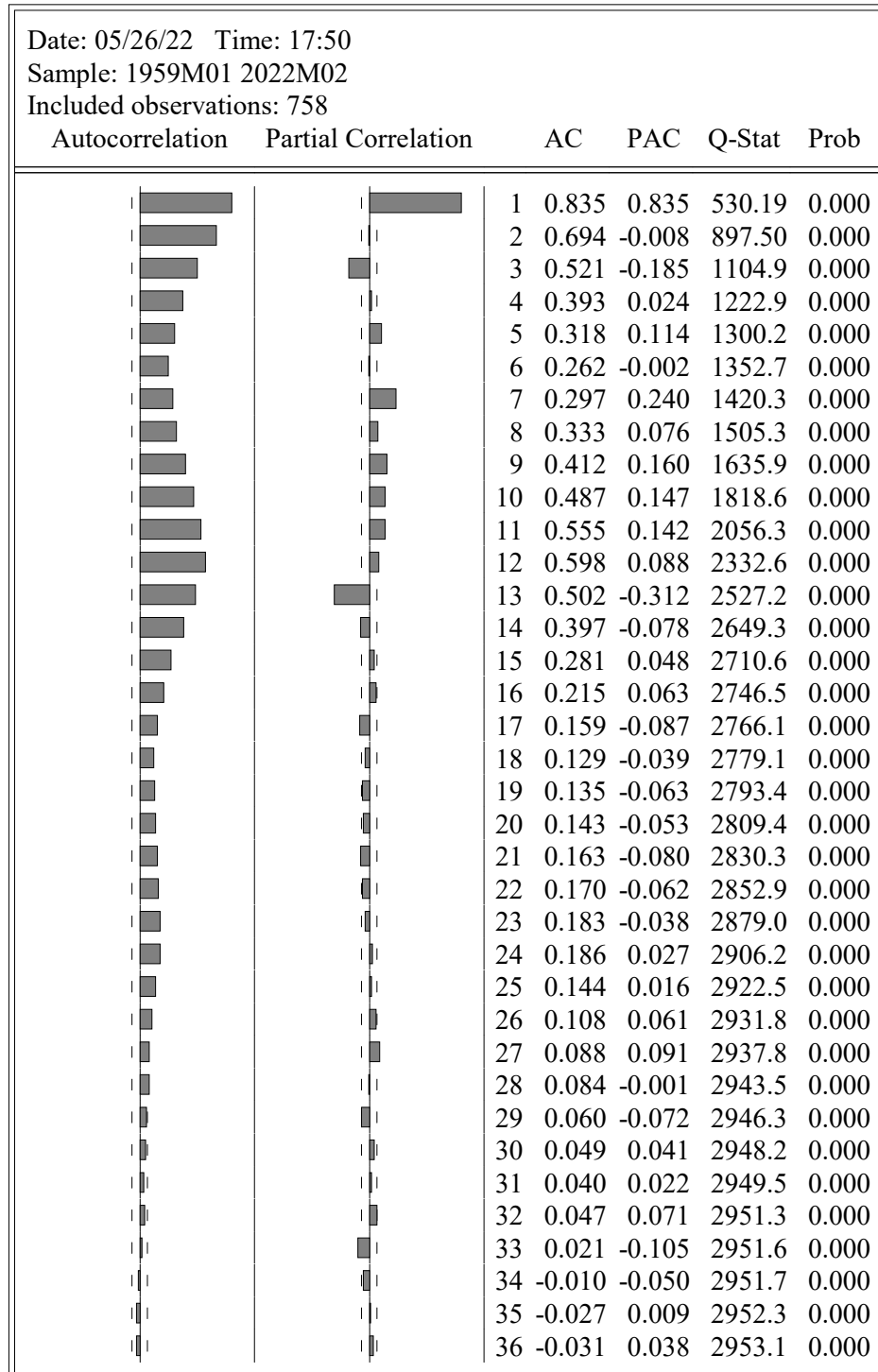
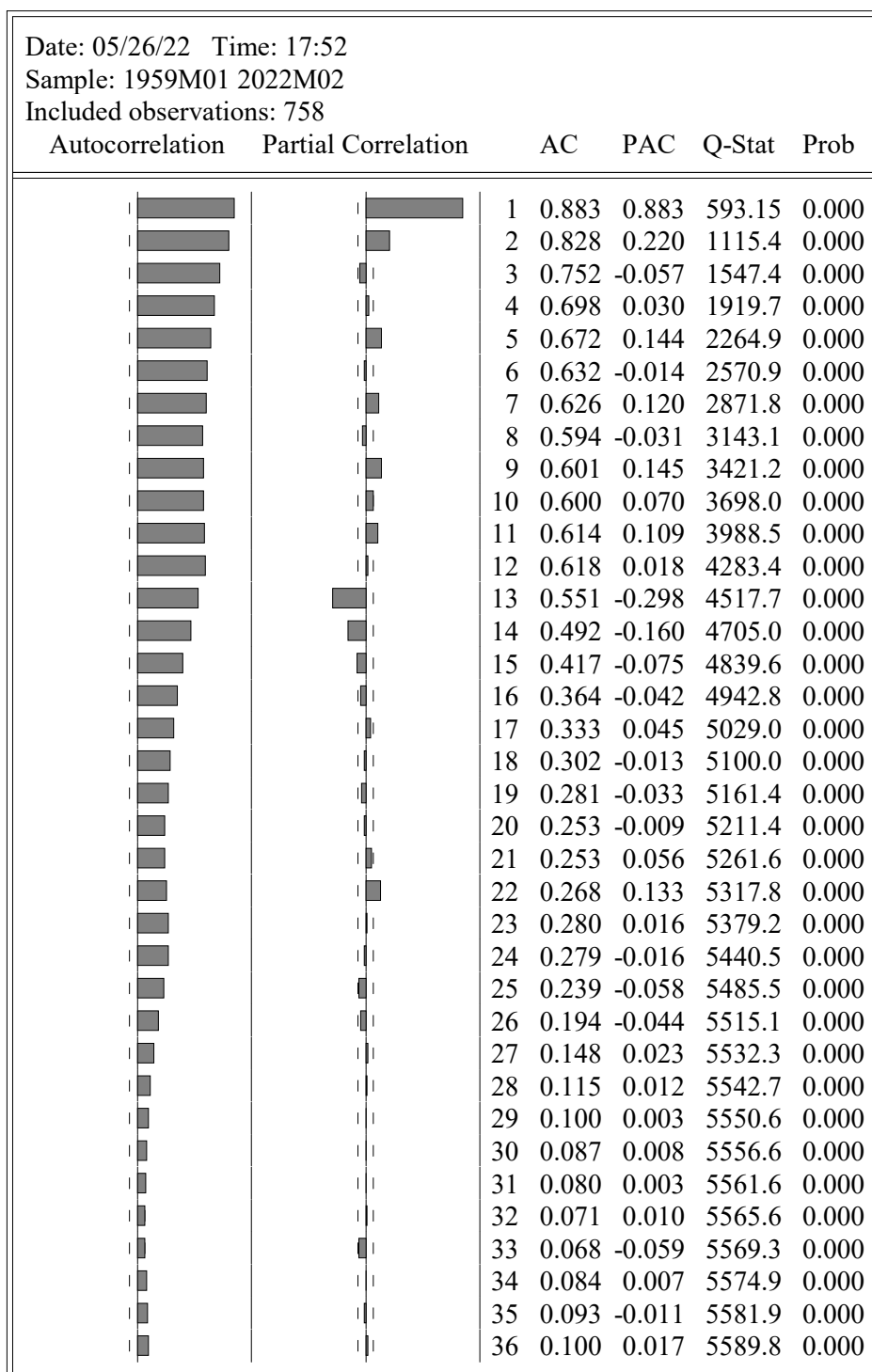


Figure 2
Correlogram of Residuals Squared



Question 2(d)

Dependent Variable: HOUSTNSA Method: Least Squares Date: 05/26/22 Time: 18:32 Sample (adjusted): 1959M03 2022M02 Included observations: 756 after adjustments				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-14.04274	2.164510	-6.487720	0.0000
JAN	11.01439	2.003361	5.497953	0.0000
FEB	20.08477	2.091415	9.603433	0.0000
MAR	47.48899	2.179416	21.78978	0.0000
APR	40.08198	2.652383	15.11169	0.0000
MAY	28.51071	2.359942	12.08111	0.0000
JUN	21.15332	2.198395	9.622164	0.0000
JUL	15.28781	2.122807	7.201696	0.0000
AUG	17.28754	2.067409	8.361936	0.0000
SEP	13.49059	2.094749	6.440194	0.0000
OCT	22.81052	2.048872	11.13321	0.0000
NOV	0.346771	2.168455	0.159916	0.8730
HOUSTNSA(-1)	0.775220	0.036137	21.45224	0.0000
HOUSTNSA(-2)	0.176881	0.036157	4.892042	0.0000
R-squared	0.915465	Mean dependent var		119.3362
Adjusted R-squared	0.913984	S.D. dependent var		37.94398
S.E. of regression	11.12840	Akaike info criterion		7.675222
Sum squared resid	91890.18	Schwarz criterion		7.760927
Log likelihood	-2887.234	Hannan-Quinn criter.		7.708234
F-statistic	618.1101	Durbin-Watson stat		2.016159
Prob(F-statistic)	0.000000			