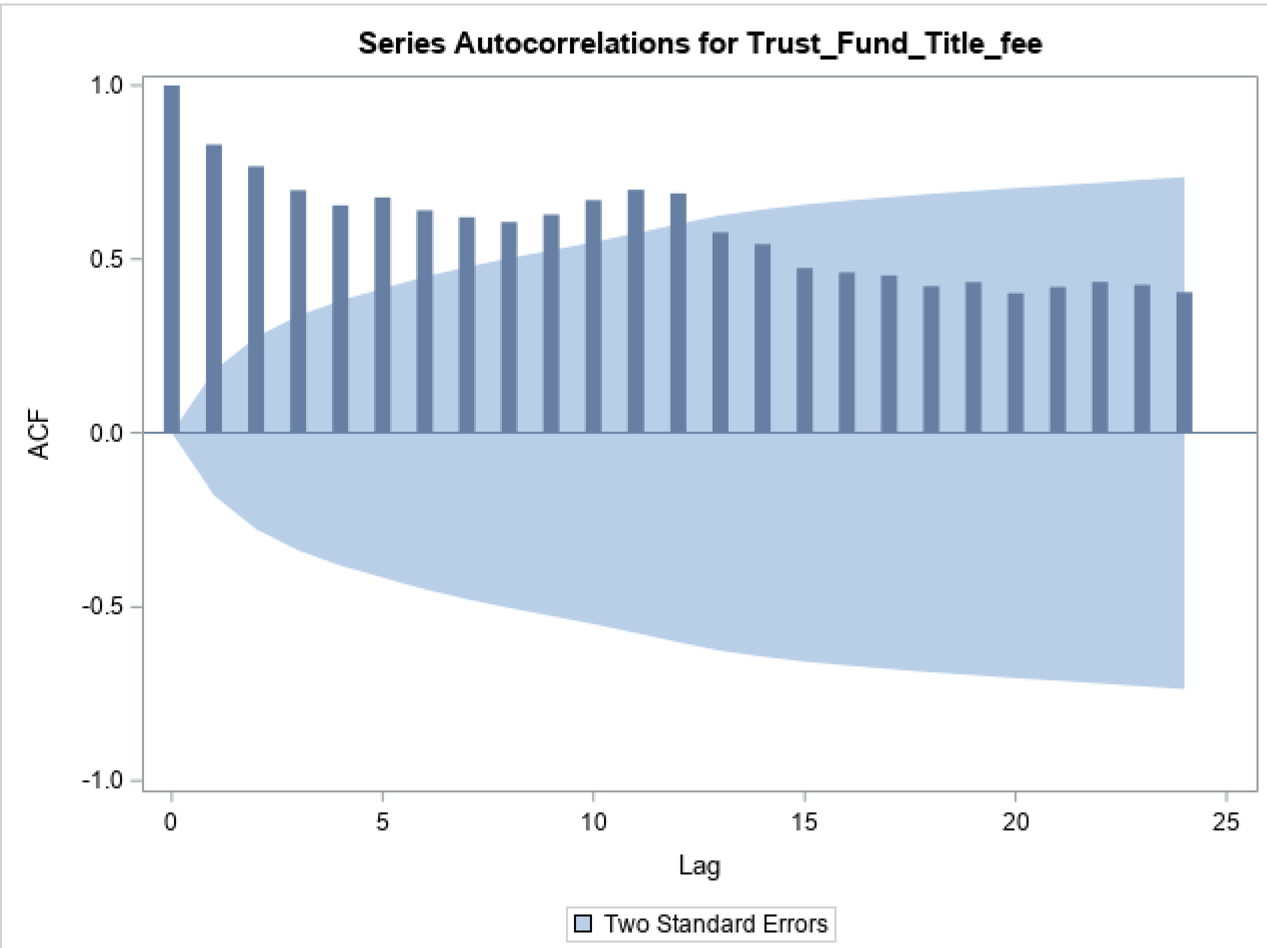
The SAS System

The ARIMA Procedure

Name of Variable = Trust_Fund_Title_fee	
Mean of Working Series	0
Standard Deviation	2027758
Number of Observations	125

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	399.27	6	<.0001	0.830	0.767	0.698	0.655	0.678	0.640
12	751.85	12	<.0001	0.621	0.607	0.628	0.670	0.700	0.689
18	961.31	18	<.0001	0.577	0.543	0.474	0.462	0.453	0.422
24	1123.95	24	<.0001	0.434	0.402	0.420	0.434	0.426	0.405



Conditional Least Squares Estimation					
Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag
AR1,1	0.83485	0.04993	16.72	<.0001	1

Variance Estimate	1.274E12
Std Error Estimate	1128518
AIC	3839.835
SBC	3842.663

Number of Residuals	125

*** AIC and SBC do not include log determinant.**

Autocorrelation Check of Residuals									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	16.32	5	0.0060	-0.217	0.088	-0.008	-0.126	0.233	0.016
12	38.39	11	<.0001	0.052	-0.030	-0.004	0.088	0.179	0.338
18	49.12	17	<.0001	-0.157	0.144	-0.112	0.030	0.103	-0.070
24	61.61	23	<.0001	0.173	-0.090	0.034	0.103	0.077	0.161

Model for variable Trust_Fund_Title_fee	
Data have been centered by subtracting the value	8093937

No mean term in this model.

Autoregressive Factors	
Factor 1:	1 - 0.83485 B**(1)

Forecasts for variable Trust_Fund_Title_fee				
Obs	Forecast	Std Error	95% Confidence Limits	
126	6618922.7	1128518	4407068.1	8830777.4
127	6862516.7	1470100	3981173.9	9743859.4
128	7065881.9	1667292	3798050.4	10333713.3
129	7235661.9	1791943	3723517.9	10747806.0
130	7377403.4	1873926	3704576.6	11050230.1

The SAS System

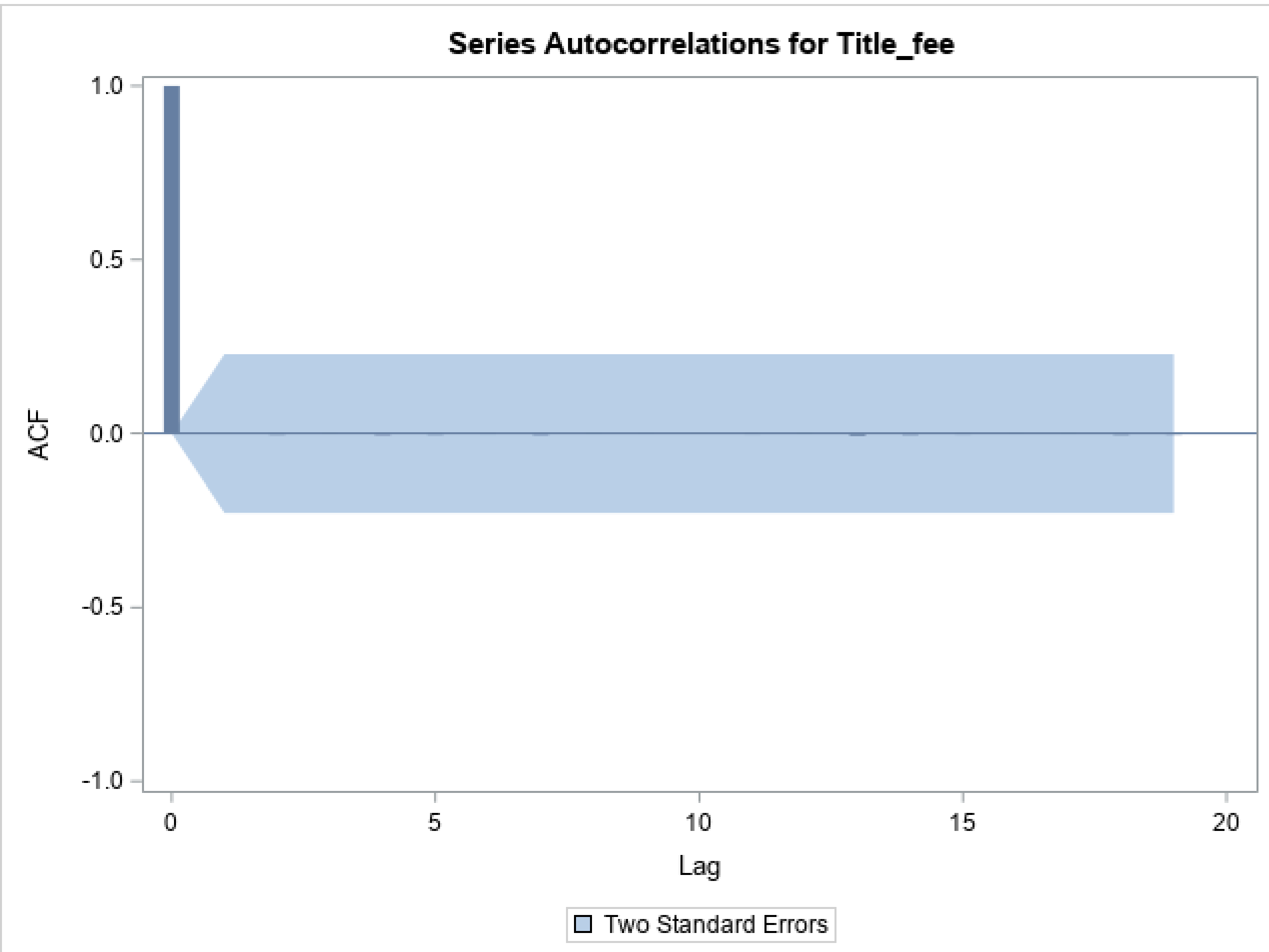
Obs	LAG	VAR	N	COV	CORR	STDERR	INVCORR	PARTCORR
1	0	Trust_Fund_Title_fee	125	4.1118E12	1.00000	0.00000	1.00000	1.00000
2	1	Trust_Fund_Title_fee	124	3.4119E12	0.82978	0.08944	-0.24868	0.82978
3	2	Trust_Fund_Title_fee	123	3.154E12	0.76705	0.13790	-0.15733	0.25207
4	3	Trust_Fund_Title_fee	122	2.8712E12	0.69828	0.16861	-0.02865	0.04482
5	4	Trust_Fund_Title_fee	121	2.6925E12	0.65481	0.19035	0.06361	0.06916
6	5	Trust_Fund_Title_fee	120	2.7869E12	0.67777	0.20759	-0.18800	0.26098
7	6	Trust_Fund_Title_fee	119	2.6332E12	0.64041	0.22459	0.00168	-0.02426
8	7	Trust_Fund_Title_fee	118	2.5518E12	0.62061	0.23876	0.14919	0.01017
9	8	Trust_Fund_Title_fee	117	2.495E12	0.60679	0.25133	-0.00834	0.08054
10	9	Trust_Fund_Title_fee	116	2.5834E12	0.62830	0.26279	0.05117	0.19759
11	10	Trust_Fund_Title_fee	115	2.7534E12	0.66963	0.27454	-0.00156	0.16879
12	11	Trust_Fund_Title_fee	114	2.8764E12	0.69955	0.28731	-0.13967	0.14334
13	12	Trust_Fund_Title_fee	113	2.8339E12	0.68921	0.30063	-0.23575	0.00477
14	13	Trust_Fund_Title_fee	112	2.3724E12	0.57697	0.31302	0.21526	-0.35842
15	14	Trust_Fund_Title_fee	111	2.2329E12	0.54304	0.32141	-0.02507	-0.03020
16	15	Trust_Fund_Title_fee	110	1.9499E12	0.47423	0.32867	0.02654	-0.15016
17	16	Trust_Fund_Title_fee	109	1.8983E12	0.46167	0.33410	0.01128	-0.03051
18	17	Trust_Fund_Title_fee	108	1.8633E12	0.45317	0.33916	0.05753	-0.01874
19	18	Trust_Fund_Title_fee	107	1.7351E12	0.42198	0.34397	-0.00072	0.05518
20	19	Trust_Fund_Title_fee	106	1.7835E12	0.43375	0.34809	-0.11081	0.07562
21	20	Trust_Fund_Title_fee	105	1.6533E12	0.40208	0.35239	0.05396	-0.12088
22	21	Trust_Fund_Title_fee	104	1.7272E12	0.42006	0.35604	0.01315	-0.02177
23	22	Trust_Fund_Title_fee	103	1.786E12	0.43435	0.35998	0.01328	0.00413
24	23	Trust_Fund_Title_fee	102	1.7516E12	0.42598	0.36415	0.01619	0.01771
25	24	Trust_Fund_Title_fee	101	1.6648E12	0.40489	0.36812	-0.02677	0.04391

The SAS System

The ARIMA Procedure

Name of Variable = Title_fee	
Mean of Working Series	0
Standard Deviation	521886.6
Number of Observations	77
Embedded missing values in working series	2

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	0.00	6	1.0000	-0.001	-0.004	-0.002	-0.005	-0.004	-0.003
12	0.01	12	1.0000	-0.005	-0.002	-0.002	-0.001	-0.003	-0.002
18	0.01	18	1.0000	-0.007	-0.004	-0.003	-0.001	-0.002	-0.004



Conditional Least Squares Estimation					
Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag
AR1,1	-0.04478	0.99709	-0.04	0.9643	1

Variance Estimate	2.76E11
Std Error Estimate	525394
AIC	2189.62
SBC	2191.937

Number of Residuals	75

*** AIC and SBC do not include log determinant.**

Autocorrelation Check of Residuals									
To Lag	**Chi-Square**	**DF**	**Pr > ChiSq**	**Autocorrelations**					
6	0.00	5	1.0000	-0.000	-0.003	-0.001	-0.004	-0.003	-0.002
12	0.01	11	1.0000	-0.004	-0.002	-0.001	-0.000	-0.002	-0.002
18	0.01	17	1.0000	-0.006	-0.004	-0.003	-0.001	-0.002	-0.004
24	0.02	23	1.0000	-0.003	-0.003	-0.005	-0.004	-0.008	-0.005

Model for variable Title_fee	
Data have been centered by subtracting the value	124498.5

No mean term in this model.

Autoregressive Factors	
Factor 1:	1 + 0.04478 B**(1)

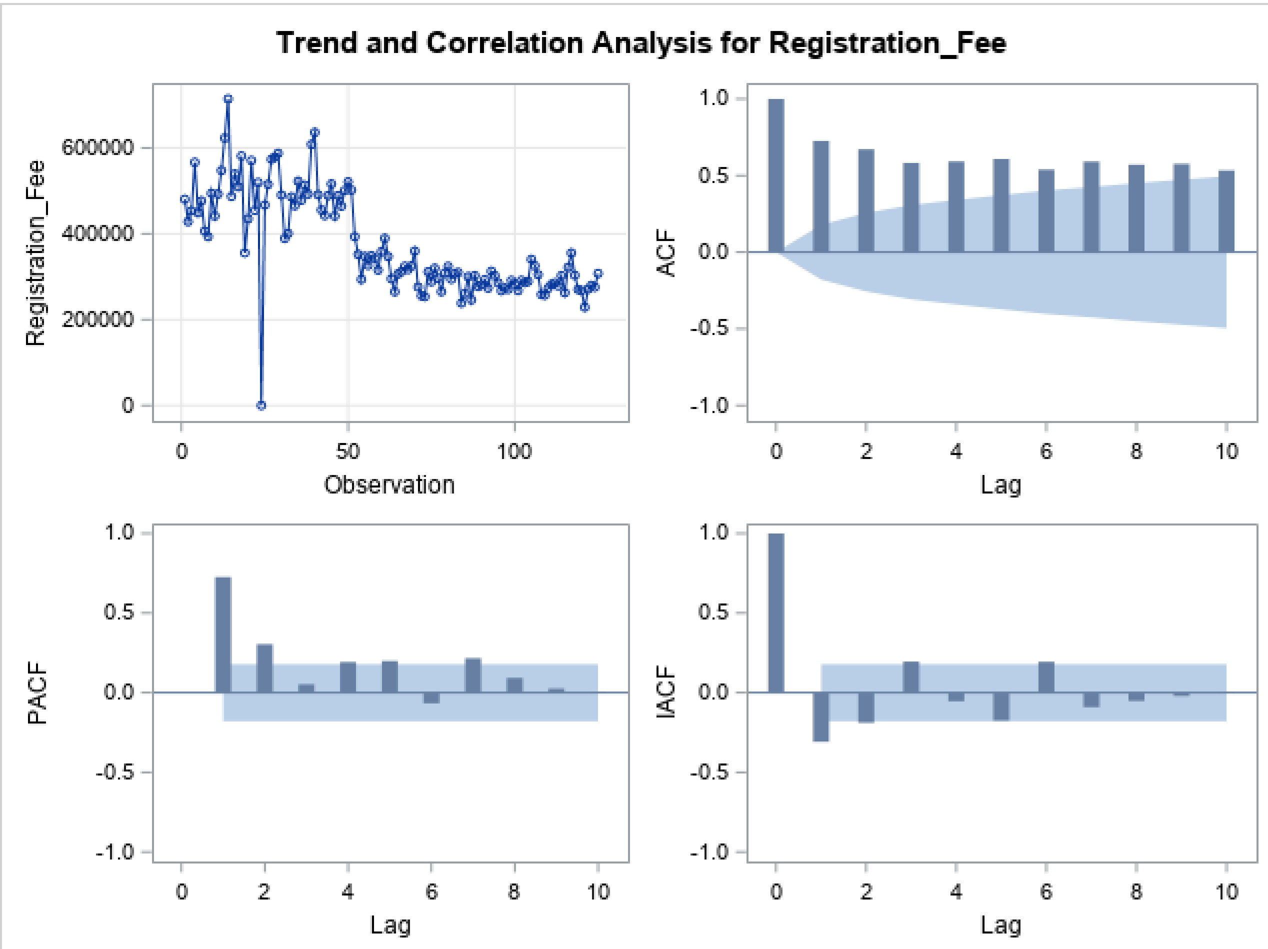
Forecasts for variable Title_fee				
Obs	**Forecast**	**Std Error**	**95% Confidence Limits**	
78	-76510.4	525394	-1106263.7	953242.9
79	133500.4	525921	-897285.0	1164285.8
80	124095.4	525922	-906692.1	1154882.9
81	124516.6	525922	-906270.9	1155304.1
82	124497.7	525922	-906289.7	1155285.2

The SAS System

The ARIMA Procedure

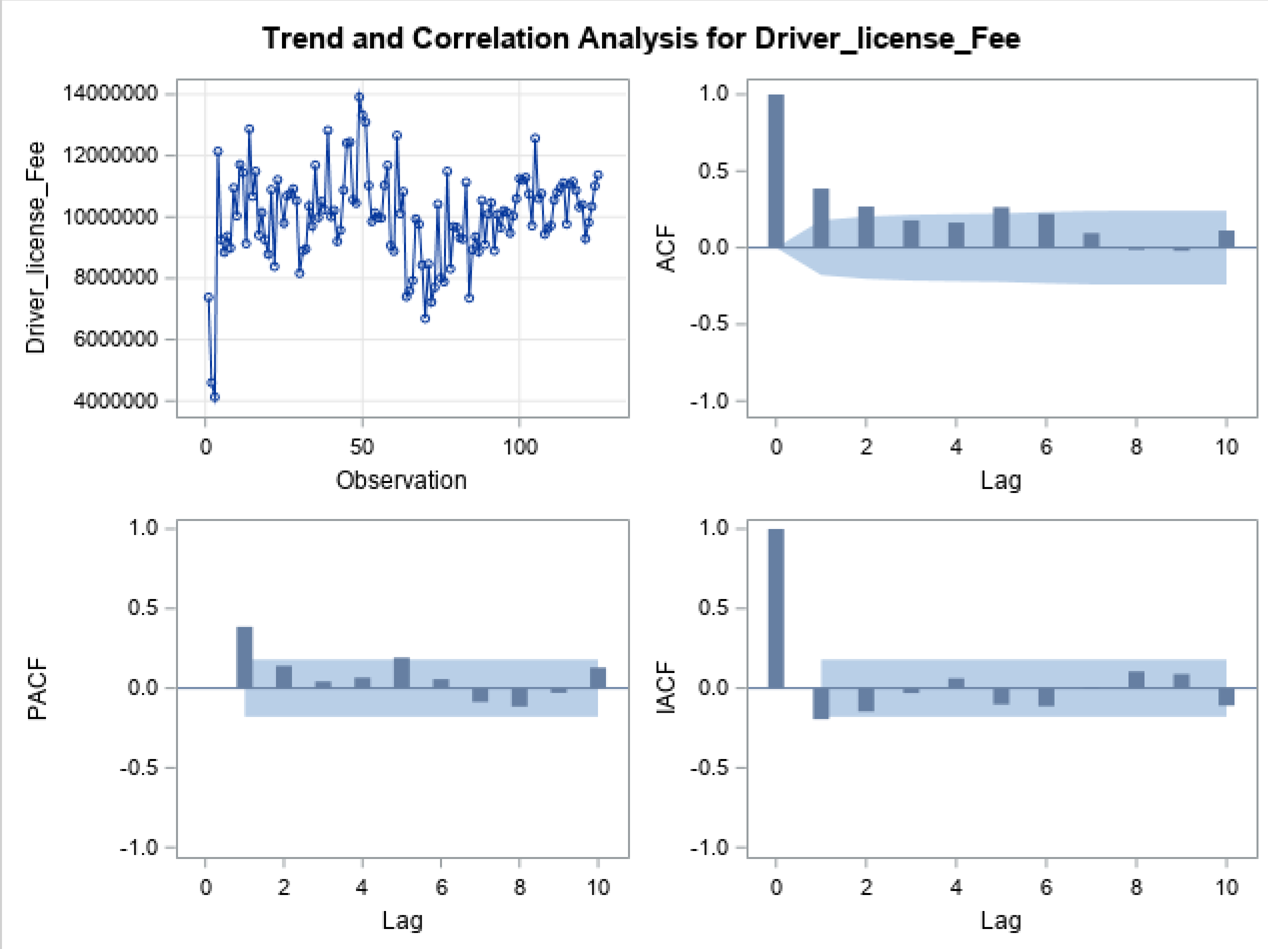
Name of Variable = Registration_Fee	
Mean of Working Series	375950.8
Standard Deviation	114983.7
Number of Observations	125

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	303.54	6	<.0001	0.726	0.671	0.583	0.592	0.608	0.539



Name of Variable = Driver_license_Fee	
Mean of Working Series	10019393
Standard Deviation	1517887
Number of Observations	125
Embedded missing values in working series	1

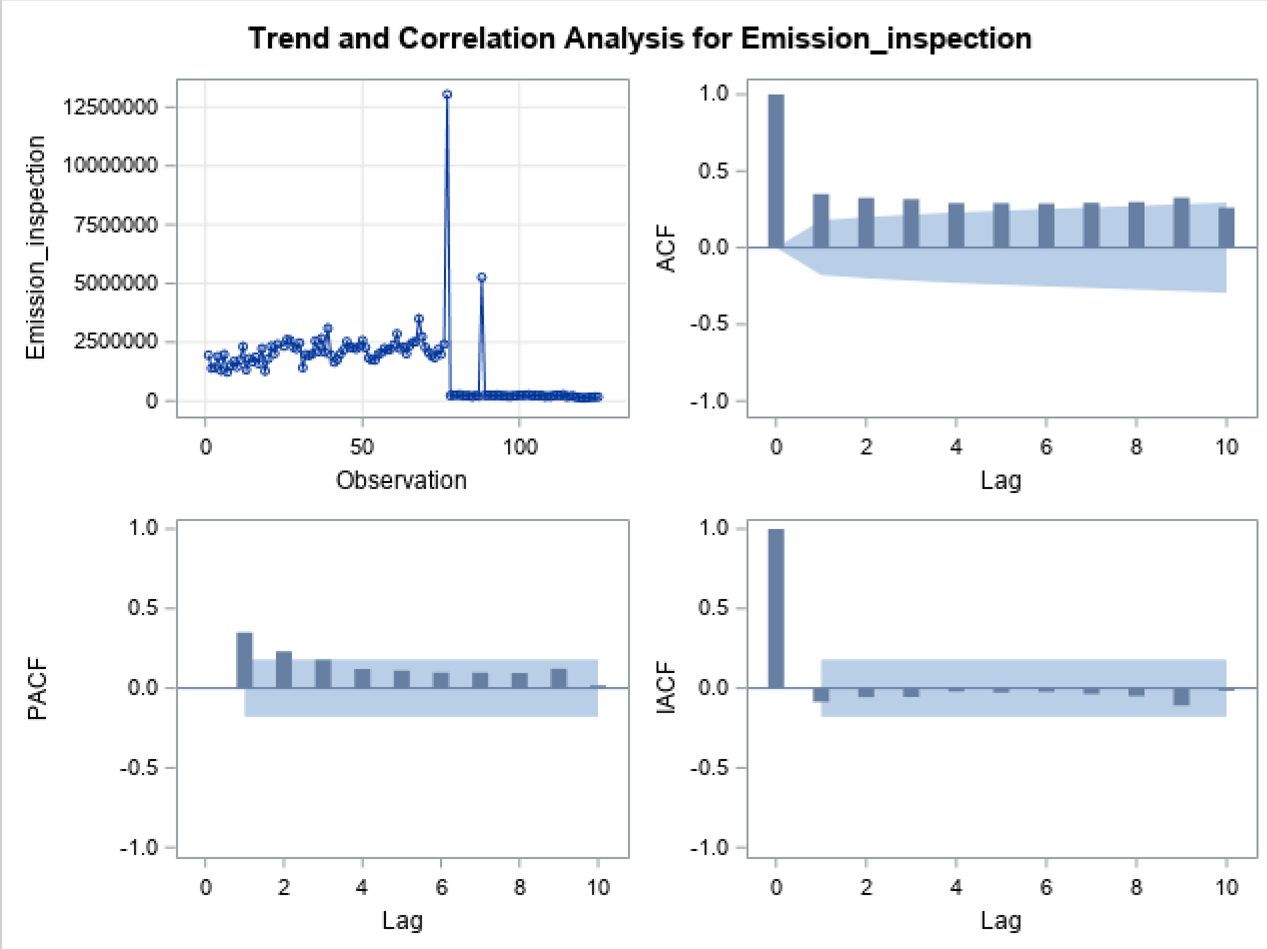
Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	47.81	6	<.0001	0.386	0.268	0.178	0.164	0.264	0.221



Name of Variable = Emission_inspection	
Mean of Working Series	1489036
Standard Deviation	1459581
Number of Observations	125
Embedded missing values in working series	1

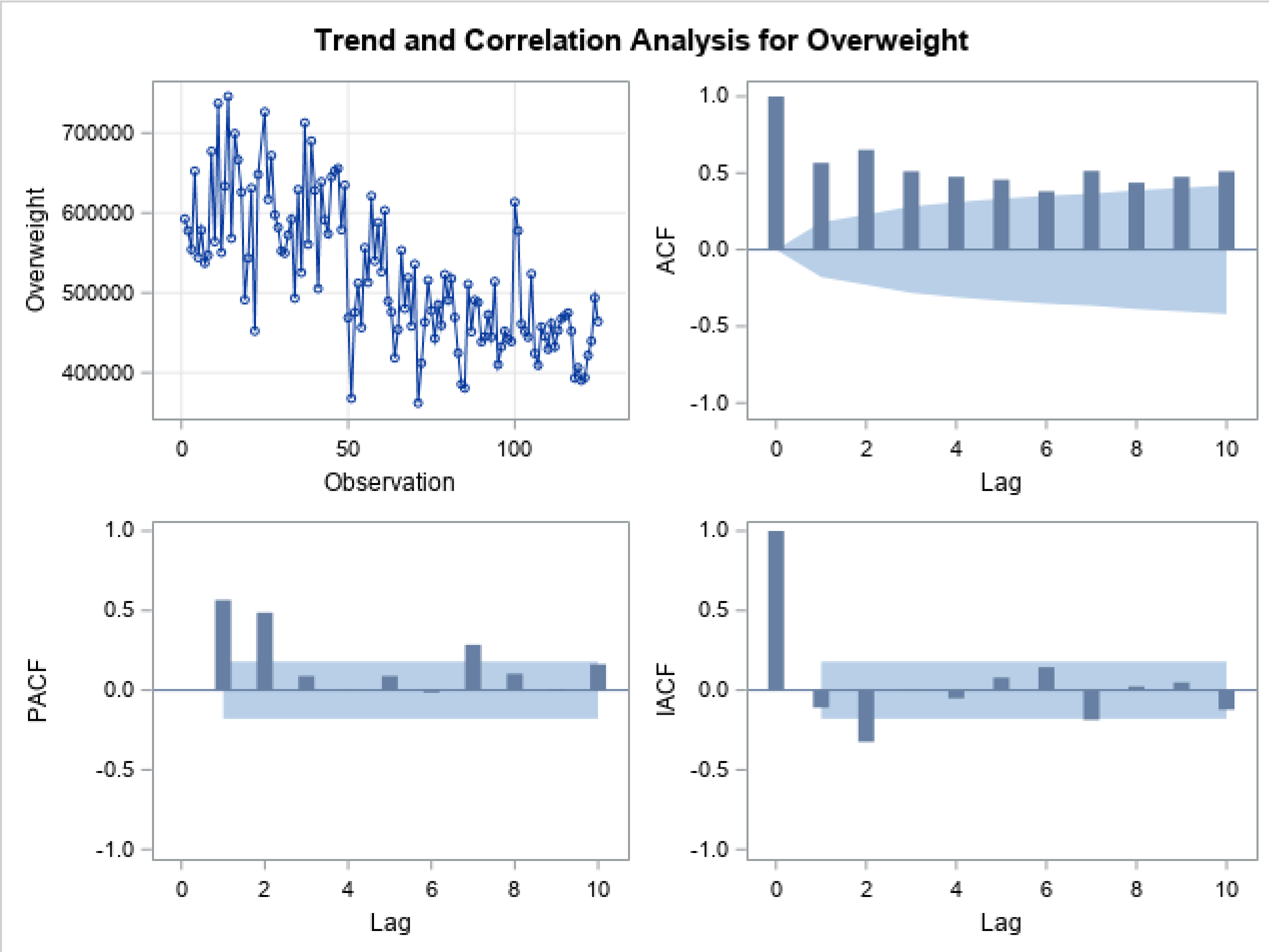
Autocorrelation Check for White Noise

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	69.44	6	<.0001	0.350	0.325	0.317	0.291	0.290	0.287



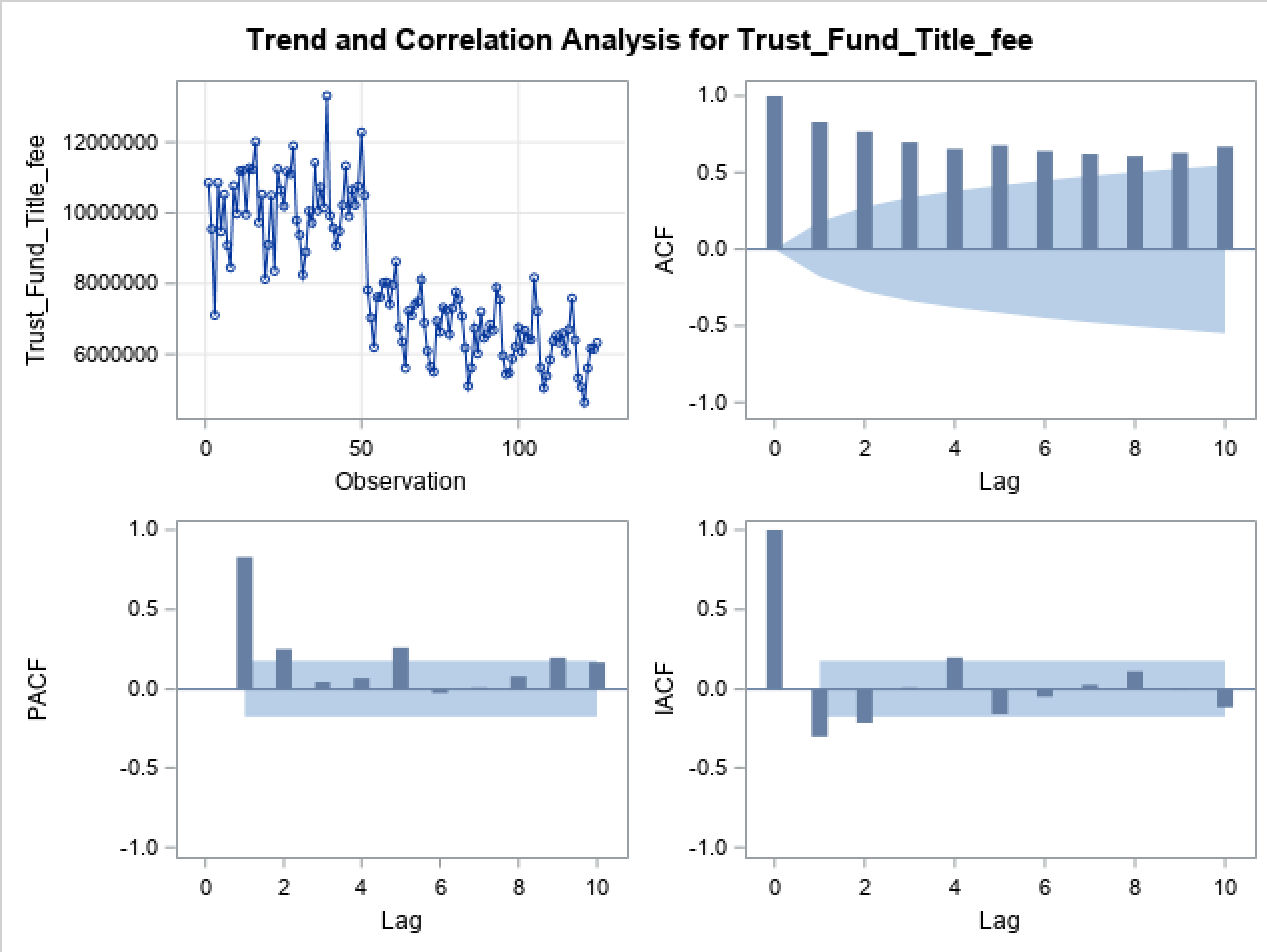
Name of Variable = Overweight	
Mean of Working Series	521795
Standard Deviation	88416.09
Number of Observations	125
Embedded missing values in working series	1

Autocorrelation Check for White Noise									
To Lag	**Chi-Square**	**DF**	**Pr > ChiSq**	**Autocorrelations**					
6	190.27	6	<.0001	0.566	0.652	0.511	0.475	0.457	0.380



Name of Variable = Trust_Fund_Title_fee	
Mean of Working Series	8093937
Standard Deviation	2027758
Number of Observations	125

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	399.27	6	<.0001	0.830	0.767	0.698	0.655	0.678	0.640


Trend and Correlation Analysis for Trust_Fund_Title_fee
Trust_Fund_Title_fee
12000000
10000000
8000000
6000000
0
50
100
Observation
ACF
1.0
0.5
0.0
-0.5
-1.0
0
2
4
6
8
10
Lag
PACF
IACF