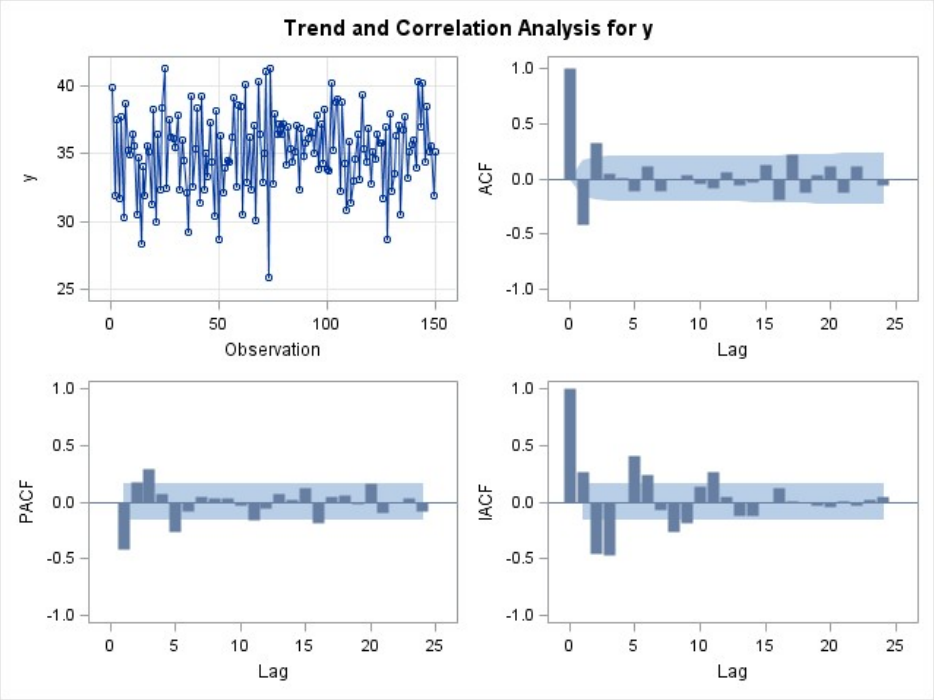
The SAS System

The ARIMA Procedure

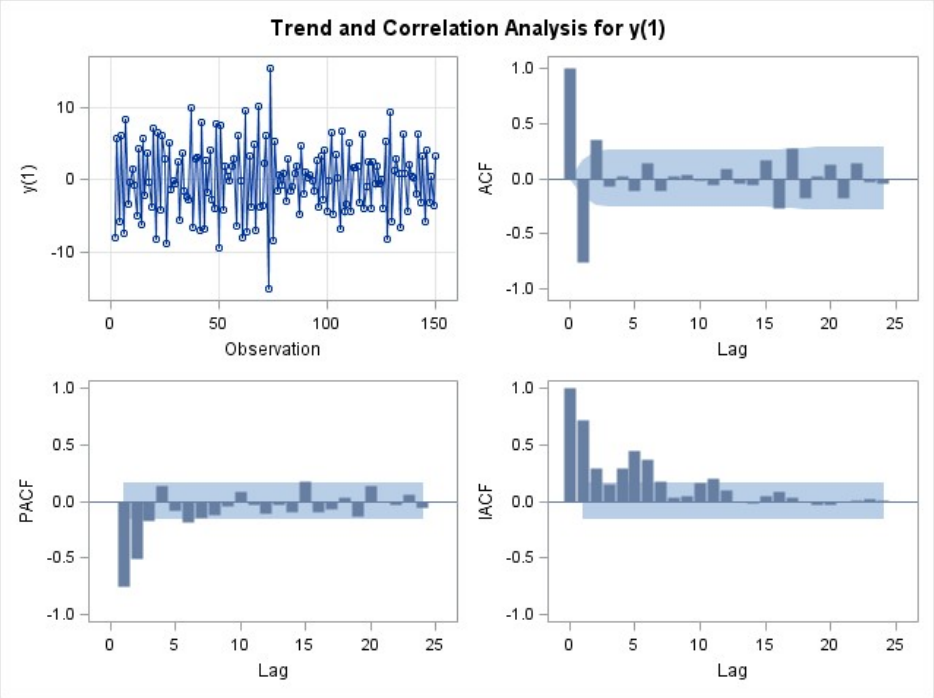
Name of Variable = y	
Mean of Working Series	35.20133
Standard Deviation	2.922008
Number of Observations	150

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	46.31	6	<.0001	-0.415	0.319	0.049	0.004	-0.114	0.109
12	50.46	12	<.0001	-0.110	0.000	0.037	-0.042	-0.083	0.059
18	71.24	18	<.0001	-0.063	-0.033	0.124	-0.193	0.221	-0.124
24	79.60	24	<.0001	0.032	0.116	-0.121	0.117	-0.012	-0.064



Name of Variable = y	
Period(s) of Differencing	1
Mean of Working Series	-0.03154
Standard Deviation	4.917113
Number of Observations	149
Observation(s) eliminated by differencing	1

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	111.17	6	<.0001	-0.754	0.349	-0.072	0.018	-0.112	0.146
12	115.39	12	<.0001	-0.112	0.027	0.039	-0.013	-0.058	0.088
18	150.56	18	<.0001	-0.046	-0.053	0.171	-0.265	0.270	-0.173
24	162.84	24	<.0001	0.016	0.125	-0.178	0.136	-0.035	-0.049

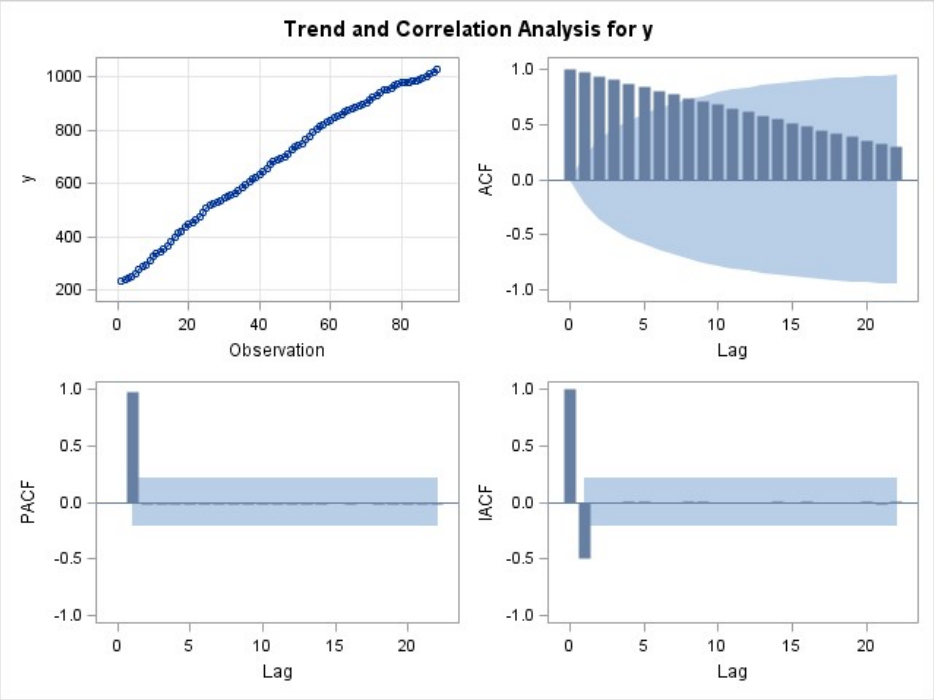

Trend and Correlation Analysis for y(1)
y(1)
Observation
ACF
Lag
PACF
Lag
IACF
Lag

The SAS System

The ARIMA Procedure

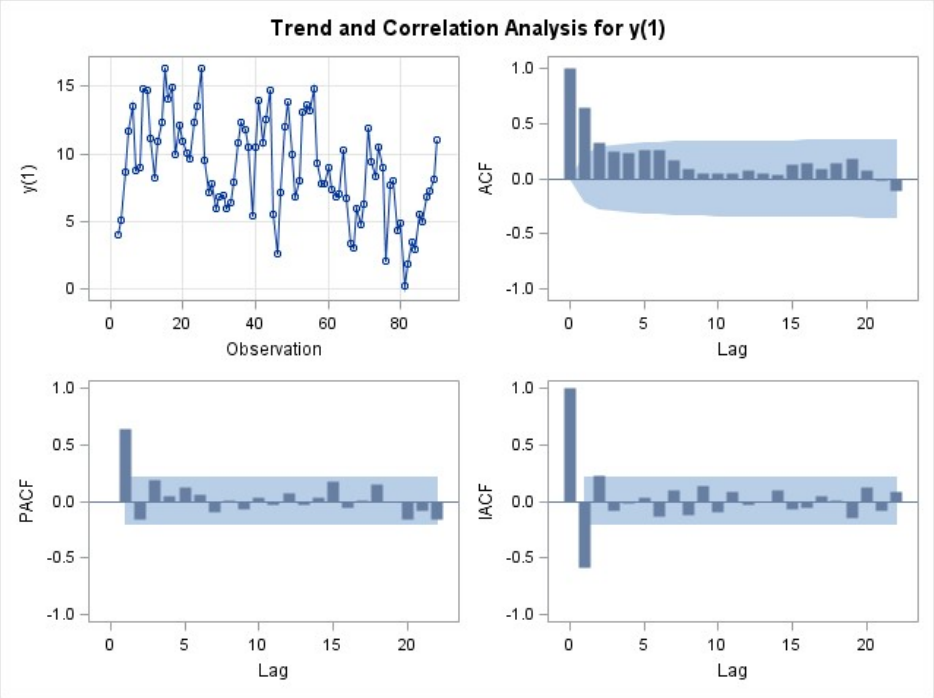
Name of Variable = y	
Mean of Working Series	674.2709
Standard Deviation	240.1522
Number of Observations	90

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	453.48	6	<.0001	0.968	0.937	0.904	0.872	0.839	0.807
12	750.14	12	<.0001	0.774	0.741	0.709	0.676	0.643	0.610
18	915.49	18	<.0001	0.577	0.544	0.512	0.479	0.448	0.417



Name of Variable = y	
Period(s) of Differencing	1
Mean of Working Series	8.926742
Standard Deviation	3.617174
Number of Observations	89
Observation(s) eliminated by differencing	1

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	71.67	6	<.0001	0.643	0.321	0.246	0.238	0.256	0.262
12	76.32	12	<.0001	0.168	0.090	0.041	0.042	0.045	0.068
18	83.64	18	<.0001	0.051	0.037	0.123	0.139	0.084	0.142


Trend and Correlation Analysis for y(1)
y(1)
Observation
ACF
Lag
PACF
Lag
IACF
Lag

The SAS System

The AUTOREG Procedure

Dependent Variable	y
	y

The SAS System

The AUTOREG Procedure

Ordinary Least Squares Estimates			
SSE	71570.2348	DFE	155
MSE	461.74345	Root MSE	21.48822
SBC	1560.52593	AIC	1519.9144
MAE	15.6624302	AICC	1522.27804
MAPE	2.17171446	HQC	1536.39654
Durbin-Watson	1.1463	Regress R-Square	0.9789
		Total R-Square	0.9789

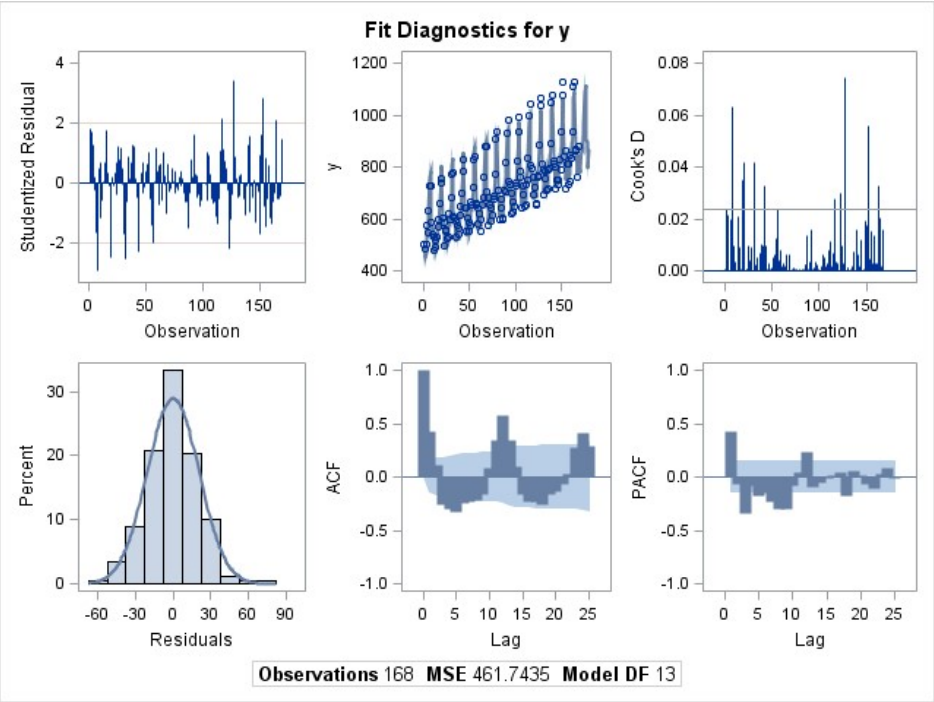
Durbin-Watson Statistics			
Order	DW	Pr < DW	Pr > DW
1	1.1463	<.0001	1.0000

NOTE: Pr<DW is the p-value for testing positive autocorrelation, and Pr>DW is the p-value for testing negative autocorrelation.

Parameter Estimates						
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > |t|	Variable Label
Intercept	1	518.8654	6.5189	79.59	<.0001	
time	1	1.9531	0.0343	56.99	<.0001	time
M1	1	-27.0161	8.1305	-3.32	0.0011	M1
M2	1	-71.8263	8.1290	-8.84	<.0001	M2
M3	1	-56.1365	8.1276	-6.91	<.0001	M3
M4	1	25.2675	8.1264	3.11	0.0022	M4
M5	1	12.6716	8.1253	1.56	0.1209	M5
M6	1	106.4328	8.1244	13.10	<.0001	M6
M7	1	229.1940	8.1236	28.21	<.0001	M7
M8	1	250.6695	8.1229	30.86	<.0001	M8
M9	1	38.2164	8.1224	4.71	<.0001	M9
M10	1	27.4062	8.1221	3.37	0.0009	M10
M11	1	-74.1183	8.1219	-9.13	<.0001	M11

The SAS System

The AUTOREG Procedure



The SAS System

Obs	yhat	resid	LowerPI	UpperPI	LowerCI	UpperCI	y	time	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11
1	493.80	7.1976	449.55	538.06	481.29	506.32	501	1	1	0	0	0	0	0	0	0	0	0	0
2	450.95	37.0548	406.69	495.20	438.43	463.46	488	2	0	1	0	0	0	0	0	0	0	0	0
3	468.59	35.4119	424.33	512.84	456.07	481.10	504	3	0	0	1	0	0	0	0	0	0	0	0
4	551.95	26.0548	507.69	596.20	539.43	564.46	578	4	0	0	0	1	0	0	0	0	0	0	0
5	541.30	3.6976	497.05	585.56	528.79	553.82	545	5	0	0	0	0	1	0	0	0	0	0	0
6	637.02	-5.0167	592.76	681.27	624.50	649.53	632	6	0	0	0	0	0	1	0	0	0	0	0
7	761.73	-33.7310	717.48	805.98	749.22	774.24	728	7	0	0	0	0	0	0	1	0	0	0	0
8	785.16	-60.1595	740.91	829.41	772.65	797.67	725	8	0	0	0	0	0	0	0	1	0	0	0
9	574.66	10.3405	530.41	618.91	562.15	587.17	585	9	0	0	0	0	0	0	0	0	1	0	0
10	565.80	-23.8024	521.55	610.06	553.29	578.32	542	10	0	0	0	0	0	0	0	0	0	1	0
11	466.23	13.7690	421.98	510.48	453.72	478.74	480	11	0	0	0	0	0	0	0	0	0	0	1
12	542.30	-12.3024	498.05	586.56	529.79	554.82	530	12	0	0	0	0	0	0	0	0	0	0	0
13	517.24	0.7606	473.08	561.40	505.05	529.43	518	13	1	0	0	0	0	0	0	0	0	0	0
14	474.38	14.6178	430.22	518.55	462.19	486.58	489	14	0	1	0	0	0	0	0	0	0	0	0
15	492.03	35.9749	447.86	536.19	479.83	504.22	528	15	0	0	1	0	0	0	0	0	0	0	0
16	575.38	23.6178	531.22	619.55	563.19	587.58	599	16	0	0	0	1	0	0	0	0	0	0	0
17	564.74	7.2606	520.58	608.90	552.55	576.93	572	17	0	0	0	0	1	0	0	0	0	0	0
18	660.45	-1.4537	616.29	704.62	648.26	672.65	659	18	0	0	0	0	0	1	0	0	0	0	0
19	785.17	-46.1679	741.00	829.33	772.98	797.36	739	19	0	0	0	0	0	0	1	0	0	0	0
20	808.60	-50.5965	764.43	852.76	796.40	820.79	758	20	0	0	0	0	0	0	0	1	0	0	0
21	598.10	3.9035	553.93	642.26	585.90	610.29	602	21	0	0	0	0	0	0	0	0	1	0	0
22	589.24	-2.2394	545.08	633.40	577.05	601.43	587	22	0	0	0	0	0	0	0	0	0	1	0
23	489.67	7.3321	445.50	533.83	477.48	501.86	497	23	0	0	0	0	0	0	0	0	0	0	1
24	565.74	-7.7394	521.58	609.90	553.55	577.93	558	24	0	0	0	0	0	0	0	0	0	0	0
25	540.68	14.3236	496.59	584.77	528.76	552.60	555	25	1	0	0	0	0	0	0	0	0	0	0
26	497.82	25.1808	453.73	541.91	485.90	509.74	523	26	0	1	0	0	0	0	0	0	0	0	0
27	515.46	16.5379	471.37	559.55	503.54	527.38	532	27	0	0	1	0	0	0	0	0	0	0	0
28	598.82	24.1808	554.73	642.91	586.90	610.74	623	28	0	0	0	1	0	0	0	0	0	0	0
29	588.18	9.8236	544.09	632.27	576.26	600.10	598	29	0	0	0	0	1	0	0	0	0	0	0
30	683.89	-0.8907	639.80	727.98	671.97	695.81	683	30	0	0	0	0	0	1	0	0	0	0	0
31	808.60	-34.6049	764.52	852.69	796.69	820.52	774	31	0	0	0	0	0	0	1	0	0	0	0
32	832.03	-52.0335	787.94	876.12	820.11	843.95	780	32	0	0	0	0	0	0	0	1	0	0	0
33	621.53	-12.5335	577.44	665.62	609.61	633.45	609	33	0	0	0	0	0	0	0	0	1	0	0
34	612.68	-8.6764	568.59	656.77	600.76	624.60	604	34	0	0	0	0	0	0	0	0	0	1	0
35	513.10	17.8951	469.02	557.19	501.19	525.02	531	35	0	0	0	0	0	0	0	0	0	0	1
36	589.18	2.8236	545.09	633.27	577.26	601.10	592	36	0	0	0	0	0	0	0	0	0	0	0
37	564.11	13.8866	520.08	608.14	552.42	575.81	578	37	1	0	0	0	0	0	0	0	0	0	0
38	521.26	21.7438	477.23	565.29	509.56	532.95	543	38	0	1	0	0	0	0	0	0	0	0	0
39	538.90	26.1009	494.87	582.93	527.20	550.59	565	39	0	0	1	0	0	0	0	0	0	0	0
40	622.26	25.7438	578.23	666.29	610.56	633.95	648	40	0	0	0	1	0	0	0	0	0	0	0
41	611.61	3.3866	567.58	655.64	599.92	623.31	615	41	0	0	0	0	1	0	0	0	0	0	0
42	707.33	-10.3277	663.30	751.36	695.63	719.02	697	42	0	0	0	0	0	1	0	0	0	0	0
43	832.04	-47.0419	788.01	876.07	820.35	843.74	785	43	0	0	0	0	0	0	1	0	0	0	0
44	855.47	-25.4705	811.44	899.50	843.78	867.17	830	44	0	0	0	0	0	0	0	1	0	0	0
45	644.97	0.0295	600.94	689.00	633.28	656.67	645	45	0	0	0	0	0	0	0	0	1	0	0

46	636.11	6.8866	592.08	680.14	624.42	647.81	643	46	0	0	0	0	0	0	0	0	0	1	0
47	536.54	14.4581	492.51	580.57	524.85	548.24	551	47	0	0	0	0	0	0	0	0	0	0	1
48	612.61	-6.6134	568.58	656.64	600.92	624.31	606	48	0	0	0	0	0	0	0	0	0	0	0
49	587.55	-2.5504	543.57	631.53	576.03	599.08	585	49	1	0	0	0	0	0	0	0	0	0	0
50	544.69	8.3068	500.71	588.68	533.17	556.22	553	50	0	1	0	0	0	0	0	0	0	0	0
51	562.34	13.6639	518.35	606.32	550.81	573.86	576	51	0	0	1	0	0	0	0	0	0	0	0
52	645.69	19.3068	601.71	689.68	634.17	657.22	665	52	0	0	0	1	0	0	0	0	0	0	0
53	635.05	20.9496	591.07	679.03	623.53	646.58	656	53	0	0	0	0	1	0	0	0	0	0	0
54	730.76	-10.7647	686.78	774.75	719.24	742.29	720	54	0	0	0	0	0	1	0	0	0	0	0
55	855.48	-29.4789	811.49	899.46	843.95	867.00	826	55	0	0	0	0	0	0	1	0	0	0	0
56	878.91	-40.9075	834.92	922.89	867.38	890.43	838	56	0	0	0	0	0	0	0	1	0	0	0
57	668.41	-16.4075	624.42	712.39	656.88	679.93	652	57	0	0	0	0	0	0	0	0	1	0	0
58	659.55	1.4496	615.57	703.53	648.03	671.08	661	58	0	0	0	0	0	0	0	0	0	1	0
59	559.98	24.0211	515.99	603.96	548.45	571.50	584	59	0	0	0	0	0	0	0	0	0	0	1
60	636.05	7.9496	592.07	680.03	624.53	647.58	644	60	0	0	0	0	0	0	0	0	0	0	0
61	610.99	12.0126	567.03	654.94	599.58	622.40	623	61	1	0	0	0	0	0	0	0	0	0	0
62	568.13	-15.1302	524.18	612.08	556.72	579.54	553	62	0	1	0	0	0	0	0	0	0	0	0
63	585.77	13.2269	541.82	629.73	574.36	597.18	599	63	0	0	1	0	0	0	0	0	0	0	0
64	669.13	-12.1302	625.18	713.08	657.72	680.54	657	64	0	0	0	1	0	0	0	0	0	0	0
65	658.49	21.5126	614.53	702.44	647.08	669.90	680	65	0	0	0	0	1	0	0	0	0	0	0
66	754.20	4.7984	710.25	798.16	742.79	765.61	759	66	0	0	0	0	0	1	0	0	0	0	0
67	878.92	-0.9159	834.96	922.87	867.51	890.33	878	67	0	0	0	0	0	0	1	0	0	0	0
68	902.34	-21.3445	858.39	946.30	890.93	913.75	881	68	0	0	0	0	0	0	0	1	0	0	0
69	691.84	13.1555	647.89	735.80	680.43	703.25	705	69	0	0	0	0	0	0	0	0	1	0	0
70	682.99	1.0126	639.03	726.94	671.58	694.40	684	70	0	0	0	0	0	0	0	0	0	1	0
71	583.42	-6.4159	539.46	627.37	572.01	594.83	577	71	0	0	0	0	0	0	0	0	0	0	1
72	659.49	-3.4874	615.53	703.44	648.08	670.90	656	72	0	0	0	0	0	0	0	0	0	0	0
73	634.42	10.5756	590.49	678.36	623.07	645.78	645	73	1	0	0	0	0	0	0	0	0	0	0
74	591.57	1.4328	547.63	635.51	580.22	602.92	593	74	0	1	0	0	0	0	0	0	0	0	0
75	609.21	7.7899	565.27	653.15	597.86	620.56	617	75	0	0	1	0	0	0	0	0	0	0	0
76	692.57	-6.5672	648.63	736.51	681.22	703.92	686	76	0	0	0	1	0	0	0	0	0	0	0
77	681.92	-2.9244	637.99	725.86	670.57	693.28	679	77	0	0	0	0	1	0	0	0	0	0	0
78	777.64	-4.6386	733.70	821.58	766.29	788.99	773	78	0	0	0	0	0	1	0	0	0	0	0
79	902.35	3.6471	858.41	946.29	891.00	913.70	906	79	0	0	0	0	0	0	1	0	0	0	0
80	925.78	8.2185	881.84	969.72	914.43	937.13	934	80	0	0	0	0	0	0	0	1	0	0	0
81	715.28	-2.2815	671.34	759.22	703.93	726.63	713	81	0	0	0	0	0	0	0	0	1	0	0
82	706.42	3.5756	662.49	750.36	695.07	717.78	710	82	0	0	0	0	0	0	0	0	0	1	0
83	606.85	-6.8529	562.91	650.79	595.50	618.20	600	83	0	0	0	0	0	0	0	0	0	0	1
84	682.92	-6.9244	638.99	726.86	671.57	694.28	676	84	0	0	0	0	0	0	0	0	0	0	0
85	657.86	-12.8614	613.92	701.80	646.51	669.21	645	85	1	0	0	0	0	0	0	0	0	0	0
86	615.00	-13.0042	571.06	658.94	603.65	626.36	602	86	0	1	0	0	0	0	0	0	0	0	0
87	632.65	-31.6471	588.71	676.59	621.30	644.00	601	87	0	0	1	0	0	0	0	0	0	0	0
88	716.00	-7.0042	672.06	759.94	704.65	727.36	709	88	0	0	0	1	0	0	0	0	0	0	0
89	705.36	0.6386	661.42	749.30	694.01	716.71	706	89	0	0	0	0	1	0	0	0	0	0	0
90	801.08	15.9244	757.14	845.01	789.72	812.43	817	90	0	0	0	0	0	1	0	0	0	0	0
91	925.79	4.2101	881.85	969.73	914.44	937.14	930	91	0	0	0	0	0	0	1	0	0	0	0
92	949.22	33.7815	905.28	993.16	937.87	960.57	983	92	0	0	0	0	0	0	0	1	0	0	0
93	738.72	6.2815	694.78	782.66	727.37	750.07	745	93	0	0	0	0	0	0	0	0	1	0	0

	729.86	5.1386	685.92	773.80	718.51	741.21	735	94	0	0	0	0	0	0	0	0	0	1	0
95	630.29	-10.2899	586.35	674.23	618.94	641.64	620	95	0	0	0	0	0	0	0	0	0	0	1
96	706.36	-8.3614	662.42	750.30	695.01	717.71	698	96	0	0	0	0	0	0	0	0	0	0	0
97	681.30	-16.2984	637.34	725.25	669.89	692.71	665	97	1	0	0	0	0	0	0	0	0	0	0
98	638.44	-12.4412	594.49	682.40	627.03	649.85	626	98	0	1	0	0	0	0	0	0	0	0	0
99	656.08	-7.0841	612.13	700.04	644.67	667.49	649	99	0	0	1	0	0	0	0	0	0	0	0
100	739.44	0.5588	695.49	783.40	728.03	750.85	740	100	0	0	0	1	0	0	0	0	0	0	0
101	728.80	0.2016	684.84	772.75	717.39	740.21	729	101	0	0	0	0	1	0	0	0	0	0	0
102	824.51	-0.5126	780.56	868.47	813.10	835.92	824	102	0	0	0	0	0	1	0	0	0	0	0
103	949.23	-12.2269	905.27	993.18	937.82	960.64	937	103	0	0	0	0	0	0	1	0	0	0	0
104	972.66	21.3445	928.70	1016.61	961.25	984.07	994	104	0	0	0	0	0	0	0	1	0	0	0
105	762.16	18.8445	718.20	806.11	750.75	773.57	781	105	0	0	0	0	0	0	0	0	1	0	0
106	753.30	5.7016	709.34	797.25	741.89	764.71	759	106	0	0	0	0	0	0	0	0	0	1	0
107	653.73	-10.7269	609.77	697.68	642.32	665.14	643	107	0	0	0	0	0	0	0	0	0	0	1
108	729.80	-1.7984	685.84	773.75	718.39	741.21	728	108	0	0	0	0	0	0	0	0	0	0	0
109	704.74	-13.7353	660.75	748.72	693.21	716.26	691	109	1	0	0	0	0	0	0	0	0	0	0
110	661.88	-12.8782	617.89	705.86	650.35	673.40	649	110	0	1	0	0	0	0	0	0	0	0	0
111	679.52	-23.5211	635.54	723.51	668.00	691.05	656	111	0	0	1	0	0	0	0	0	0	0	0
112	762.88	-27.8782	718.89	806.86	751.35	774.40	735	112	0	0	0	1	0	0	0	0	0	0	0
113	752.24	-4.2353	708.25	796.22	740.71	763.76	748	113	0	0	0	0	1	0	0	0	0	0	0
114	847.95	-10.9496	803.97	891.93	836.42	859.47	837	114	0	0	0	0	0	1	0	0	0	0	0
115	972.66	22.3361	928.68	1016.65	961.14	984.19	995	115	0	0	0	0	0	0	1	0	0	0	0
116	996.09	43.9075	952.11	1040.08	984.57	1007.62	1040	116	0	0	0	0	0	0	0	1	0	0	0
117	785.59	23.4075	741.61	829.58	774.07	797.12	809	117	0	0	0	0	0	0	0	0	1	0	0
118	776.74	16.2647	732.75	820.72	765.21	788.26	793	118	0	0	0	0	0	0	0	0	0	1	0
119	677.16	14.8361	633.18	721.15	665.64	688.69	692	119	0	0	0	0	0	0	0	0	0	0	1
120	753.24	9.7647	709.25	797.22	741.71	764.76	763	120	0	0	0	0	0	0	0	0	0	0	0
121	728.17	-5.1723	684.14	772.20	716.48	739.87	723	121	1	0	0	0	0	0	0	0	0	0	0
122	685.32	-30.3152	641.29	729.34	673.62	697.01	655	122	0	1	0	0	0	0	0	0	0	0	0
123	702.96	-44.9581	658.93	746.99	691.26	714.65	658	123	0	0	1	0	0	0	0	0	0	0	0
124	786.32	-25.3152	742.29	830.34	774.62	798.01	761	124	0	0	0	1	0	0	0	0	0	0	0
125	775.67	-7.6723	731.64	819.70	763.98	787.37	768	125	0	0	0	0	1	0	0	0	0	0	0
126	871.39	13.6134	827.36	915.42	859.69	883.08	885	126	0	0	0	0	0	1	0	0	0	0	0
127	996.10	70.8991	952.07	1040.13	984.41	1007.80	1067	127	0	0	0	0	0	0	1	0	0	0	0
128	1019.53	18.4705	975.50	1063.56	1007.83	1031.22	1038	128	0	0	0	0	0	0	0	1	0	0	0
129	809.03	2.9705	765.00	853.06	797.33	820.72	812	129	0	0	0	0	0	0	0	0	1	0	0
130	800.17	-10.1723	756.14	844.20	788.48	811.87	790	130	0	0	0	0	0	0	0	0	0	1	0
131	700.60	-8.6009	656.57	744.63	688.91	712.30	692	131	0	0	0	0	0	0	0	0	0	0	1
132	776.67	5.3277	732.64	820.70	764.98	788.37	782	132	0	0	0	0	0	0	0	0	0	0	0
133	751.61	6.3907	707.52	795.70	739.69	763.53	758	133	1	0	0	0	0	0	0	0	0	0	0
134	708.75	0.2478	664.66	752.84	696.83	720.67	709	134	0	1	0	0	0	0	0	0	0	0	0
135	726.40	-11.3951	682.31	770.48	714.48	738.31	715	135	0	0	1	0	0	0	0	0	0	0	0
136	809.75	-21.7522	765.66	853.84	797.83	821.67	788	136	0	0	0	1	0	0	0	0	0	0	0
137	799.11	-5.1093	755.02	843.20	787.19	811.03	794	137	0	0	0	0	1	0	0	0	0	0	0
138	894.82	-1.8236	850.73	938.91	882.90	906.74	893	138	0	0	0	0	0	1	0	0	0	0	0
139	1019.54	26.4621	975.45	1063.63	1007.62	1031.46	1046	139	0	0	0	0	0	0	1	0	0	0	0
140	1042.97	32.0335	998.88	1087.06	1031.05	1054.89	1075	140	0	0	0	0	0	0	0	1	0	0	0
141	832.47	-20.4665	788.38	876.56	820.55	844.39	812	141	0	0	0	0	0	0	0	0	1	0	0

	823.61	-1.6093	779.52	867.70	811.69	835.53	822	142	0	0	0	0	0	0	0	0	1	0
143	724.04	-10.0379	679.95	768.13	712.12	735.96	714	143	0	0	0	0	0	0	0	0	0	1
144	800.11	1.8907	756.02	844.20	788.19	812.03	802	144	0	0	0	0	0	0	0	0	0	0
145	775.05	-27.0463	730.88	819.21	762.85	787.24	748	145	1	0	0	0	0	0	0	0	0	0
146	732.19	-1.1892	688.03	776.35	720.00	744.38	731	146	0	1	0	0	0	0	0	0	0	0
147	749.83	-1.8321	705.67	794.00	737.64	762.02	748	147	0	0	1	0	0	0	0	0	0	0
148	833.19	-6.1892	789.03	877.35	821.00	845.38	827	148	0	0	0	1	0	0	0	0	0	0
149	822.55	-34.5463	778.38	866.71	810.35	834.74	788	149	0	0	0	0	1	0	0	0	0	0
150	918.26	18.7394	874.10	962.42	906.07	930.45	937	150	0	0	0	0	0	1	0	0	0	0
151	1042.97	33.0251	998.81	1087.14	1030.78	1055.17	1076	151	0	0	0	0	0	0	1	0	0	0
152	1066.40	58.5965	1022.24	1110.57	1054.21	1078.60	1125	152	0	0	0	0	0	0	0	1	0	0
153	855.90	-15.9035	811.74	900.07	843.71	868.10	840	153	0	0	0	0	0	0	0	0	1	0
154	847.05	16.9537	802.88	891.21	834.85	859.24	864	154	0	0	0	0	0	0	0	0	0	1
155	747.47	-30.4749	703.31	791.64	735.28	759.67	717	155	0	0	0	0	0	0	0	0	0	1
156	823.55	-10.5463	779.38	867.71	811.35	835.74	813	156	0	0	0	0	0	0	0	0	0	0
157	798.48	12.5167	754.23	842.74	785.97	811.00	811	157	1	0	0	0	0	0	0	0	0	0
158	755.63	-23.6262	711.37	799.88	743.11	768.14	732	158	0	1	0	0	0	0	0	0	0	0
159	773.27	-28.2690	729.02	817.52	760.76	785.78	745	159	0	0	1	0	0	0	0	0	0	0
160	856.63	-12.6262	812.37	900.88	844.11	869.14	844	160	0	0	0	1	0	0	0	0	0	0
161	845.98	-12.9833	801.73	890.24	833.47	858.50	833	161	0	0	0	0	1	0	0	0	0	0
162	941.70	-6.6976	897.44	985.95	929.18	954.21	935	162	0	0	0	0	0	1	0	0	0	0
163	1066.41	43.5881	1022.16	1110.67	1053.90	1078.93	1110	163	0	0	0	0	0	0	1	0	0	0
164	1089.84	34.1595	1045.59	1134.09	1077.33	1102.35	1124	164	0	0	0	0	0	0	0	1	0	0
165	879.34	-11.3405	835.09	923.59	866.83	891.85	868	165	0	0	0	0	0	0	0	0	1	0
166	870.48	-10.4833	826.23	914.74	857.97	883.00	860	166	0	0	0	0	0	0	0	0	0	1
167	770.91	-8.9119	726.66	815.17	758.40	783.43	762	167	0	0	0	0	0	0	0	0	0	0
168	846.98	30.0167	802.73	891.24	834.47	859.50	877	168	0	0	0	0	0	0	0	0	0	0
169	821.92	.	777.56	866.28	809.04	834.80	.	169	1	0	0	0	0	0	0	0	0	0
170	779.06	.	734.71	823.42	766.19	791.94	.	170	0	1	0	0	0	0	0	0	0	0
171	796.71	.	752.35	841.06	783.83	809.58	.	171	0	0	1	0	0	0	0	0	0	0
172	880.06	.	835.71	924.42	867.19	892.94	.	172	0	0	0	1	0	0	0	0	0	0
173	869.42	.	825.06	913.78	856.54	882.30	.	173	0	0	0	0	1	0	0	0	0	0
174	965.13	.	920.78	1009.49	952.26	978.01	.	174	0	0	0	0	0	1	0	0	0	0
175	1089.85	.	1045.49	1134.21	1076.97	1102.73	.	175	0	0	0	0	0	0	1	0	0	0
176	1113.28	.	1068.92	1157.64	1100.40	1126.15	.	176	0	0	0	0	0	0	0	1	0	0
177	902.78	.	858.42	947.14	889.90	915.65	.	177	0	0	0	0	0	0	0	0	1	0
178	893.92	.	849.56	938.28	881.04	906.80	.	178	0	0	0	0	0	0	0	0	0	1
179	794.35	.	749.99	838.71	781.47	807.23	.	179	0	0	0	0	0	0	0	0	0	0
180	870.42	.	826.06	914.78	857.54	883.30	.	180	0	0	0	0	0	0	0	0	0	0

The SAS System

The AUTOREG Procedure

Dependent Variable	quarty
	quarty

The SAS System

The AUTOREG Procedure

Ordinary Least Squares Estimates			
SSE	0.12061214	DFE	155
MSE	0.0007781	Root MSE	0.02790
SBC	-672.80053	AIC	-713.41206
MAE	0.02156996	AICC	-711.04843
MAPE	0.41782366	HQC	-696.92993
Durbin-Watson	1.2619	Regress R-Square	0.9884
		Total R-Square	0.9884

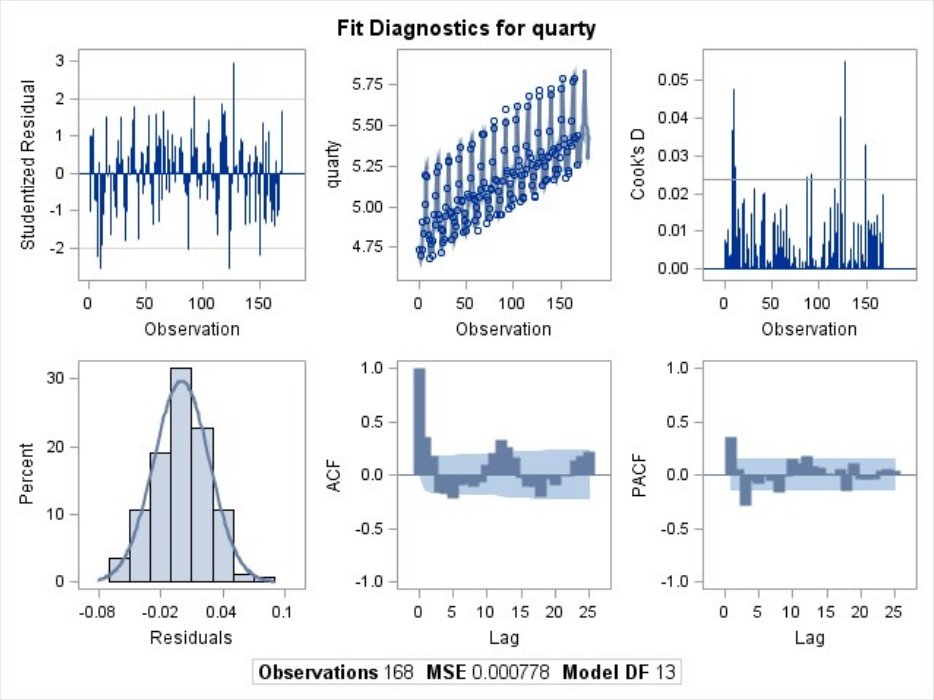
Durbin-Watson Statistics			
Order	DW	Pr < DW	Pr > DW
1	1.2619	<.0001	1.0000

NOTE: Pr<DW is the p-value for testing positive autocorrelation, and Pr>DW is the p-value for testing negative autocorrelation.

Parameter Estimates						
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > |t|	Variable Label
Intercept	1	4.8073	0.008463	568.07	<.0001	
time	1	0.003515	0.0000445	79.01	<.0001	time
M1	1	-0.0525	0.0106	-4.97	<.0001	M1
M2	1	-0.1408	0.0106	-13.34	<.0001	M2
M3	1	-0.1071	0.0106	-10.15	<.0001	M3
M4	1	0.0499	0.0105	4.73	<.0001	M4
M5	1	0.0254	0.0105	2.41	0.0171	M5
M6	1	0.1902	0.0105	18.03	<.0001	M6
M7	1	0.3825	0.0105	36.27	<.0001	M7
M8	1	0.4134	0.0105	39.20	<.0001	M8
M9	1	0.0714	0.0105	6.77	<.0001	M9
M10	1	0.0506	0.0105	4.80	<.0001	M10
M11	1	-0.1419	0.0105	-13.46	<.0001	M11

The SAS System

The AUTOREG Procedure



The SAS System

Obs	yhat	resid	LowerPI	UpperPI	LowerCI	UpperCI	y	time	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	quarty
1	4.75837	-0.027296	4.70092	4.81581	4.74212	4.77461	501	1	1	0	0	0	0	0	0	0	0	0	0	4.73107
2	4.67356	0.026519	4.61611	4.73101	4.65731	4.68980	488	2	0	1	0	0	0	0	0	0	0	0	0	4.70008
3	4.71076	0.027376	4.65331	4.76821	4.69452	4.72701	504	3	0	0	1	0	0	0	0	0	0	0	0	4.73814
4	4.87126	0.031967	4.81381	4.92871	4.85502	4.88750	578	4	0	0	0	1	0	0	0	0	0	0	0	4.90323
5	4.85031	-0.018620	4.79286	4.90776	4.83407	4.86655	545	5	0	0	0	0	1	0	0	0	0	0	0	4.83169
6	5.01858	-0.004638	4.96113	5.07603	5.00233	5.03482	632	6	0	0	0	0	0	1	0	0	0	0	0	5.01394
7	5.21438	-0.020009	5.15693	5.27183	5.19813	5.23062	728	7	0	0	0	0	0	0	1	0	0	0	0	5.19437
8	5.24881	-0.059799	5.19136	5.30626	5.23256	5.26505	725	8	0	0	0	0	0	0	0	1	0	0	0	5.18901
9	4.91037	0.007634	4.85292	4.96782	4.89413	4.92662	585	9	0	0	0	0	0	0	0	0	1	0	0	4.91801
10	4.89311	-0.068082	4.83566	4.95056	4.87687	4.90935	542	10	0	0	0	0	0	0	0	0	0	1	0	4.82503
11	4.70404	-0.023346	4.64659	4.76149	4.68780	4.72029	480	11	0	0	0	0	0	0	0	0	0	0	1	4.68069
12	4.84950	-0.051403	4.79205	4.90695	4.83326	4.86574	530	12	0	0	0	0	0	0	0	0	0	0	0	4.79810
13	4.80055	-0.029844	4.74322	4.85788	4.78472	4.81638	518	13	1	0	0	0	0	0	0	0	0	0	0	4.77070
14	4.71574	-0.013257	4.65841	4.77307	4.69991	4.73157	489	14	0	1	0	0	0	0	0	0	0	0	0	4.70248
15	4.75294	0.040621	4.69561	4.81027	4.73711	4.76877	528	15	0	0	1	0	0	0	0	0	0	0	0	4.79356
16	4.91344	0.033727	4.85611	4.97077	4.89761	4.92927	599	16	0	0	0	1	0	0	0	0	0	0	0	4.94717
17	4.89249	-0.002040	4.83516	4.94982	4.87666	4.90832	572	17	0	0	0	0	1	0	0	0	0	0	0	4.89045
18	5.06076	0.005895	5.00343	5.11809	5.04493	5.07659	659	18	0	0	0	0	0	1	0	0	0	0	0	5.06666
19	5.25656	-0.042679	5.19923	5.31389	5.24073	5.27239	739	19	0	0	0	0	0	0	1	0	0	0	0	5.21388
20	5.29099	-0.043915	5.23366	5.34832	5.27516	5.30682	758	20	0	0	0	0	0	0	0	1	0	0	0	5.24708
21	4.95255	0.000798	4.89522	5.00988	4.93672	4.96838	602	21	0	0	0	0	0	0	0	0	1	0	0	4.95335
22	4.93529	-0.013089	4.87796	4.99262	4.91946	4.95112	587	22	0	0	0	0	0	0	0	0	0	1	0	4.92220
23	4.74622	-0.024624	4.68889	4.80355	4.73039	4.76205	497	23	0	0	0	0	0	0	0	0	0	0	1	4.72160
24	4.89168	-0.031432	4.83435	4.94901	4.87585	4.90751	558	24	0	0	0	0	0	0	0	0	0	0	0	4.86025
25	4.84273	0.010974	4.78549	4.89996	4.82726	4.85820	555	25	1	0	0	0	0	0	0	0	0	0	0	4.85370
26	4.75792	0.024253	4.70069	4.81516	4.74245	4.77339	523	26	0	1	0	0	0	0	0	0	0	0	0	4.78217
27	4.79512	0.007493	4.73789	4.85236	4.77965	4.81060	532	27	0	0	1	0	0	0	0	0	0	0	0	4.80262
28	4.95562	0.040372	4.89839	5.01286	4.94015	4.97110	623	28	0	0	0	1	0	0	0	0	0	0	0	4.99600
29	4.93467	0.010429	4.87744	4.99191	4.91920	4.95015	598	29	0	0	0	0	1	0	0	0	0	0	0	4.94510
30	5.10294	0.009226	5.04571	5.16018	5.08747	5.11842	683	30	0	0	0	0	0	1	0	0	0	0	0	5.11217
31	5.29874	-0.024194	5.24151	5.35598	5.28327	5.31421	774	31	0	0	0	0	0	0	1	0	0	0	0	5.27455
32	5.33317	-0.048432	5.27594	5.39041	5.31770	5.34865	780	32	0	0	0	0	0	0	0	1	0	0	0	5.28474
33	4.99473	-0.027046	4.93750	5.05197	4.97926	5.01021	609	33	0	0	0	0	0	0	0	0	1	0	0	4.96769
34	4.97747	-0.020013	4.92024	5.03471	4.96200	4.99295	604	34	0	0	0	0	0	0	0	0	0	1	0	4.95746
35	4.78840	0.011954	4.73117	4.84564	4.77293	4.80388	531	35	0	0	0	0	0	0	0	0	0	0	1	4.80036
36	4.93386	-0.001211	4.87663	4.99110	4.91839	4.94934	592	36	0	0	0	0	0	0	0	0	0	0	0	4.93265
37	4.88491	0.018315	4.82775	4.94207	4.86973	4.90009	578	37	1	0	0	0	0	0	0	0	0	0	0	4.90323
38	4.80010	0.027149	4.74295	4.85726	4.78492	4.81529	543	38	0	1	0	0	0	0	0	0	0	0	0	4.82725
39	4.83731	0.038115	4.78015	4.89446	4.82212	4.85249	565	39	0	0	1	0	0	0	0	0	0	0	0	4.87542
40	4.99780	0.047574	4.94065	5.05496	4.98262	5.01299	648	40	0	0	0	1	0	0	0	0	0	0	0	5.04538
41	4.97686	0.003024	4.91970	5.03401	4.96167	4.99204	615	41	0	0	0	0	1	0	0	0	0	0	0	4.97988
42	5.14512	-0.006957	5.08797	5.20228	5.12994	5.16031	697	42	0	0	0	0	0	1	0	0	0	0	0	5.13817
43	5.34092	-0.047734	5.28377	5.39808	5.32574	5.35611	785	43	0	0	0	0	0	0	1	0	0	0	0	5.29319
44	5.37535	-0.007885	5.31820	5.43251	5.36017	5.39054	830	44	0	0	0	0	0	0	0	1	0	0	0	5.36747
45	5.03692	0.002613	4.97976	5.09407	5.02173	5.05210	645	45	0	0	0	0	0	0	0	0	1	0	0	5.03953

46	5.01965	0.015963	4.96250	5.07681	5.00447	5.03484	643	46	0	0	0	0	0	0	0	0	0	1	0	5.03562
47	4.83059	0.014349	4.77343	4.88774	4.81540	4.84577	551	47	0	0	0	0	0	0	0	0	0	0	1	4.84493
48	4.97604	-0.014485	4.91889	5.03320	4.96086	4.99123	606	48	0	0	0	0	0	0	0	0	0	0	0	4.96156
49	4.92709	-0.009088	4.86999	4.98419	4.91213	4.94205	585	49	1	0	0	0	0	0	0	0	0	0	0	4.91801
50	4.84228	0.007041	4.78519	4.89938	4.82732	4.85725	553	50	0	1	0	0	0	0	0	0	0	0	0	4.84932
51	4.87949	0.019492	4.82239	4.93659	4.86453	4.89445	576	51	0	0	1	0	0	0	0	0	0	0	0	4.89898
52	5.03999	0.038162	4.98289	5.09709	5.02503	5.05495	665	52	0	0	0	1	0	0	0	0	0	0	0	5.07815
53	5.01904	0.041842	4.96194	5.07614	5.00408	5.03400	656	53	0	0	0	0	1	0	0	0	0	0	0	5.06088
54	5.18731	-0.007265	5.13021	5.24440	5.17234	5.20227	720	54	0	0	0	0	0	1	0	0	0	0	0	5.18004
55	5.38311	-0.022115	5.32601	5.44020	5.36814	5.39807	826	55	0	0	0	0	0	0	1	0	0	0	0	5.36099
56	5.41754	-0.037180	5.36044	5.47463	5.40257	5.43250	838	56	0	0	0	0	0	0	0	1	0	0	0	5.38036
57	5.07910	-0.025951	5.02200	5.13620	5.06414	5.09406	652	57	0	0	0	0	0	0	0	0	1	0	0	5.05315
58	5.06184	0.008659	5.00474	5.11894	5.04688	5.07680	661	58	0	0	0	0	0	0	0	0	0	1	0	5.07050
59	4.87277	0.043134	4.81567	4.92987	4.85781	4.88773	584	59	0	0	0	0	0	0	0	0	0	0	1	4.91590
60	5.01823	0.019348	4.96113	5.07532	5.00326	5.03319	644	60	0	0	0	0	0	0	0	0	0	0	0	5.03757
61	4.96927	0.026721	4.91221	5.02633	4.95446	4.98409	623	61	1	0	0	0	0	0	0	0	0	0	0	4.99600
62	4.88447	-0.035141	4.82741	4.94153	4.86965	4.89928	553	62	0	1	0	0	0	0	0	0	0	0	0	4.84932
63	4.92167	0.025500	4.86461	4.97873	4.90686	4.93648	599	63	0	0	1	0	0	0	0	0	0	0	0	4.94717
64	5.08217	-0.019361	5.02511	5.13923	5.06736	5.09698	657	64	0	0	0	1	0	0	0	0	0	0	0	5.06281
65	5.06122	0.045328	5.00416	5.11828	5.04641	5.07603	680	65	0	0	0	0	1	0	0	0	0	0	0	5.10655
66	5.22949	0.019318	5.17243	5.28655	5.21468	5.24430	759	66	0	0	0	0	0	1	0	0	0	0	0	5.24881
67	5.42529	0.018156	5.36823	5.48235	5.41047	5.44010	878	67	0	0	0	0	0	0	1	0	0	0	0	5.44344
68	5.45972	-0.011631	5.40266	5.51678	5.44491	5.47453	881	68	0	0	0	0	0	0	0	1	0	0	0	5.44809
69	5.12128	0.031568	5.06422	5.17834	5.10647	5.13609	705	69	0	0	0	0	0	0	0	0	1	0	0	5.15285
70	5.10402	0.010021	5.04696	5.16108	5.08921	5.11883	684	70	0	0	0	0	0	0	0	0	0	1	0	5.11404
71	4.91495	-0.013845	4.85789	4.97201	4.90014	4.92976	577	71	0	0	0	0	0	0	0	0	0	0	1	4.90110
72	5.06041	0.000472	5.00335	5.11747	5.04560	5.07522	656	72	0	0	0	0	0	0	0	0	0	0	0	5.06088
73	5.01146	0.028073	4.95442	5.06850	4.99672	5.02619	645	73	1	0	0	0	0	0	0	0	0	0	0	5.03953
74	4.92665	0.008086	4.86961	4.98369	4.91191	4.94138	593	74	0	1	0	0	0	0	0	0	0	0	0	4.93473
75	4.96385	0.020072	4.90681	5.02089	4.94911	4.97859	617	75	0	0	1	0	0	0	0	0	0	0	0	4.98392
76	5.12435	-0.006576	5.06731	5.18139	5.10961	5.13909	686	76	0	0	0	1	0	0	0	0	0	0	0	5.11777
77	5.10340	0.001267	5.04636	5.16044	5.08866	5.11814	679	77	0	0	0	0	1	0	0	0	0	0	0	5.10467
78	5.27167	0.001175	5.21463	5.32871	5.25693	5.28641	773	78	0	0	0	0	0	1	0	0	0	0	0	5.27284
79	5.46747	0.018863	5.41043	5.52451	5.45273	5.48220	906	79	0	0	0	0	0	0	1	0	0	0	0	5.48633
80	5.50190	0.026339	5.44486	5.55894	5.48716	5.51664	934	80	0	0	0	0	0	0	0	1	0	0	0	5.52824
81	5.16346	0.003943	5.10642	5.22050	5.14872	5.17820	713	81	0	0	0	0	0	0	0	0	1	0	0	5.16740
82	5.14620	0.015760	5.08916	5.20324	5.13146	5.16094	710	82	0	0	0	0	0	0	0	0	0	1	0	5.16196
83	4.95713	-0.007899	4.90009	5.01417	4.94239	4.97187	600	83	0	0	0	0	0	0	0	0	0	0	1	4.94923
84	5.10259	-0.003570	5.04555	5.15963	5.08785	5.11733	676	84	0	0	0	0	0	0	0	0	0	0	0	5.09902
85	5.05364	-0.014109	4.99660	5.11068	5.03890	5.06837	645	85	1	0	0	0	0	0	0	0	0	0	0	5.03953
86	4.96883	-0.015478	4.91179	5.02587	4.95409	4.98357	602	86	0	1	0	0	0	0	0	0	0	0	0	4.95335
87	5.00603	-0.054739	4.94899	5.06307	4.99130	5.02077	601	87	0	0	1	0	0	0	0	0	0	0	0	4.95129
88	5.16653	-0.006390	5.10949	5.22357	5.15179	5.18127	709	88	0	0	0	1	0	0	0	0	0	0	0	5.16014
89	5.14558	0.009092	5.08854	5.20262	5.13084	5.16032	706	89	0	0	0	0	1	0	0	0	0	0	0	5.15467
90	5.31385	0.032477	5.25681	5.37089	5.29911	5.32859	817	90	0	0	0	0	0	1	0	0	0	0	0	5.34633
91	5.50965	0.012660	5.45261	5.56669	5.49491	5.52439	930	91	0	0	0	0	0	0	1	0	0	0	0	5.52231
92	5.54408	0.055280	5.48704	5.60112	5.52934	5.55882	983	92	0	0	0	0	0	0	0	1	0	0	0	5.59936
93	5.20564	0.018789	5.14860	5.26268	5.19091	5.22038	745	93	0	0	0	0	0	0	0	0	1	0	0	5.22443

	5.18838	0.018430	5.13134	5.24542	5.17364	5.20312	735	94	0	0	0	0	0	0	0	0	0	1	0	5.20681
95	4.99931	-0.009342	4.94227	5.05635	4.98458	5.01405	620	95	0	0	0	0	0	0	0	0	0	0	1	4.98997
96	5.14477	-0.004762	5.08773	5.20181	5.13003	5.15951	698	96	0	0	0	0	0	0	0	0	0	0	0	5.14001
97	5.09582	-0.017670	5.03876	5.15288	5.08101	5.11063	665	97	1	0	0	0	0	0	0	0	0	0	0	5.07815
98	5.01101	-0.009012	4.95395	5.06807	4.99620	5.02582	626	98	0	1	0	0	0	0	0	0	0	0	0	5.00200
99	5.04821	-0.000890	4.99115	5.10527	5.03340	5.06303	649	99	0	0	1	0	0	0	0	0	0	0	0	5.04732
100	5.20871	0.006931	5.15165	5.26577	5.19390	5.22352	740	100	0	0	0	1	0	0	0	0	0	0	0	5.21564
101	5.18776	0.008389	5.13070	5.24482	5.17295	5.20257	729	101	0	0	0	0	1	0	0	0	0	0	0	5.19615
102	5.35603	0.001710	5.29897	5.41309	5.34122	5.37084	824	102	0	0	0	0	0	1	0	0	0	0	0	5.35774
103	5.55183	-0.019160	5.49477	5.60889	5.53702	5.56664	937	103	0	0	0	0	0	0	1	0	0	0	0	5.53267
104	5.58626	0.028697	5.52920	5.64332	5.57145	5.60107	994	104	0	0	0	0	0	0	0	1	0	0	0	5.61496
105	5.24782	0.038609	5.19076	5.30488	5.23301	5.26264	781	105	0	0	0	0	0	0	0	0	1	0	0	5.28643
106	5.23056	0.018242	5.17350	5.28762	5.21575	5.24537	759	106	0	0	0	0	0	0	0	0	0	1	0	5.24881
107	5.04149	-0.005876	4.98443	5.09855	5.02668	5.05631	643	107	0	0	0	0	0	0	0	0	0	0	1	5.03562
108	5.18695	0.007417	5.12989	5.24401	5.17214	5.20176	728	108	0	0	0	0	0	0	0	0	0	0	0	5.19437
109	5.13800	-0.010928	5.08090	5.19510	5.12304	5.15296	691	109	1	0	0	0	0	0	0	0	0	0	0	5.12707
110	5.05319	-0.005868	4.99609	5.11029	5.03823	5.06815	649	110	0	1	0	0	0	0	0	0	0	0	0	5.04732
111	5.09040	-0.029516	5.03330	5.14749	5.07543	5.10536	656	111	0	0	1	0	0	0	0	0	0	0	0	5.06088
112	5.25089	-0.044083	5.19380	5.30799	5.23593	5.26586	735	112	0	0	0	1	0	0	0	0	0	0	0	5.20681
113	5.22994	-0.000261	5.17285	5.28704	5.21498	5.24491	748	113	0	0	0	0	1	0	0	0	0	0	0	5.22968
114	5.39821	-0.019463	5.34111	5.45531	5.38325	5.41317	837	114	0	0	0	0	0	1	0	0	0	0	0	5.37875
115	5.59401	0.022358	5.53691	5.65111	5.57905	5.60897	995	115	0	0	0	0	0	0	1	0	0	0	0	5.61637
116	5.62844	0.050380	5.57134	5.68554	5.61348	5.64340	1040	116	0	0	0	0	0	0	0	1	0	0	0	5.67882
117	5.29001	0.043185	5.23291	5.34710	5.27504	5.30497	809	117	0	0	0	0	0	0	0	0	1	0	0	5.33319
118	5.27274	0.033879	5.21565	5.32984	5.25778	5.28771	793	118	0	0	0	0	0	0	0	0	0	1	0	5.30662
119	5.08368	0.045252	5.02658	5.14077	5.06871	5.09864	692	119	0	0	0	0	0	0	0	0	0	0	1	5.12893
120	5.22913	0.026573	5.17204	5.28623	5.21417	5.24410	763	120	0	0	0	0	0	0	0	0	0	0	0	5.25571
121	5.18018	0.005245	5.12303	5.23734	5.16500	5.19536	723	121	1	0	0	0	0	0	0	0	0	0	0	5.18543
122	5.09537	-0.036425	5.03822	5.15253	5.08019	5.11056	655	122	0	1	0	0	0	0	0	0	0	0	0	5.05895
123	5.13258	-0.067845	5.07542	5.18973	5.11739	5.14776	658	123	0	0	1	0	0	0	0	0	0	0	0	5.06473
124	5.29308	-0.040817	5.23592	5.35023	5.27789	5.30826	761	124	0	0	0	1	0	0	0	0	0	0	0	5.25226
125	5.27213	-0.007830	5.21497	5.32928	5.25694	5.28731	768	125	0	0	0	0	1	0	0	0	0	0	0	5.26430
126	5.44040	0.013865	5.38324	5.49755	5.42521	5.45558	885	126	0	0	0	0	0	1	0	0	0	0	0	5.45426
127	5.63619	0.079133	5.57904	5.69335	5.62101	5.65138	1067	127	0	0	0	0	0	0	1	0	0	0	0	5.71533
128	5.67062	0.005466	5.61347	5.72778	5.65544	5.68581	1038	128	0	0	0	0	0	0	0	1	0	0	0	5.67609
129	5.33219	0.005941	5.27503	5.38934	5.31700	5.34737	812	129	0	0	0	0	0	0	0	0	1	0	0	5.33813
130	5.31493	-0.013328	5.25777	5.37208	5.29974	5.33011	790	130	0	0	0	0	0	0	0	0	0	1	0	5.30160
131	5.12586	0.003070	5.06870	5.18301	5.11067	5.14104	692	131	0	0	0	0	0	0	0	0	0	0	1	5.12893
132	5.27132	0.016809	5.21416	5.32847	5.25613	5.28650	782	132	0	0	0	0	0	0	0	0	0	0	0	5.28812
133	5.22236	0.024711	5.16513	5.27960	5.20689	5.23784	758	133	1	0	0	0	0	0	0	0	0	0	0	5.24708
134	5.13756	0.022585	5.08032	5.19479	5.12208	5.15303	709	134	0	1	0	0	0	0	0	0	0	0	0	5.16014
135	5.17476	-0.003735	5.11752	5.23199	5.15929	5.19023	715	135	0	0	1	0	0	0	0	0	0	0	0	5.17102
136	5.33526	-0.037018	5.27802	5.39249	5.31978	5.35073	788	136	0	0	0	1	0	0	0	0	0	0	0	5.29824
137	5.31431	-0.006012	5.25707	5.37154	5.29883	5.32978	794	137	0	0	0	0	1	0	0	0	0	0	0	5.30830
138	5.48258	-0.016032	5.42534	5.53981	5.46710	5.49805	893	138	0	0	0	0	0	1	0	0	0	0	0	5.46654
139	5.67838	0.008620	5.62114	5.73561	5.66290	5.69385	1046	139	0	0	0	0	0	0	1	0	0	0	0	5.68700
140	5.71281	0.013204	5.65557	5.77004	5.69733	5.72828	1075	140	0	0	0	0	0	0	0	1	0	0	0	5.72601
141	5.37437	-0.036241	5.31713	5.43160	5.35890	5.38984	812	141	0	0	0	0	0	0	0	0	1	0	0	5.33813

	5.35711	-0.002620	5.29987	5.41434	5.34163	5.37258	822	142	0	0	0	0	0	0	0	0	0	1	0	5.35449
143	5.16804	0.001176	5.11080	5.22527	5.15257	5.18351	714	143	0	0	0	0	0	0	0	0	0	0	1	5.16921
144	5.31350	0.008120	5.25626	5.37073	5.29802	5.32897	802	144	0	0	0	0	0	0	0	0	0	0	0	5.32162
145	5.26455	-0.034862	5.20721	5.32188	5.24872	5.28037	748	145	1	0	0	0	0	0	0	0	0	0	0	5.22968
146	5.17974	0.019976	5.12240	5.23707	5.16391	5.19557	731	146	0	1	0	0	0	0	0	0	0	0	0	5.19971
147	5.21694	0.012744	5.15961	5.27427	5.20111	5.23277	748	147	0	0	1	0	0	0	0	0	0	0	0	5.22968
148	5.37744	-0.014827	5.32011	5.43477	5.36161	5.39327	827	148	0	0	0	1	0	0	0	0	0	0	0	5.36261
149	5.35649	-0.058250	5.29916	5.41382	5.34066	5.37232	788	149	0	0	0	0	1	0	0	0	0	0	0	5.29824
150	5.52476	0.007913	5.46743	5.58209	5.50893	5.54059	937	150	0	0	0	0	0	1	0	0	0	0	0	5.53267
151	5.72056	0.006784	5.66323	5.77789	5.70473	5.73639	1076	151	0	0	0	0	0	0	1	0	0	0	0	5.72734
152	5.75499	0.036473	5.69766	5.81232	5.73916	5.77082	1125	152	0	0	0	0	0	0	0	1	0	0	0	5.79146
153	5.41655	-0.032987	5.35922	5.47388	5.40072	5.43238	840	153	0	0	0	0	0	0	0	0	1	0	0	5.38356
154	5.39929	0.022323	5.34196	5.45662	5.38346	5.41512	864	154	0	0	0	0	0	0	0	0	0	1	0	5.42161
155	5.21022	-0.035584	5.15289	5.26755	5.19439	5.22605	717	155	0	0	0	0	0	0	0	0	0	0	1	5.17464
156	5.35568	-0.015908	5.29835	5.41301	5.33985	5.37151	813	156	0	0	0	0	0	0	0	0	0	0	0	5.33977
157	5.30673	0.029757	5.24928	5.36418	5.29048	5.32297	811	157	1	0	0	0	0	0	0	0	0	0	0	5.33648
158	5.22192	-0.020429	5.16447	5.27937	5.20567	5.23816	732	158	0	1	0	0	0	0	0	0	0	0	0	5.20149
159	5.25912	-0.034690	5.20167	5.31657	5.24288	5.27537	745	159	0	0	1	0	0	0	0	0	0	0	0	5.22443
160	5.41962	-0.029660	5.36217	5.47707	5.40338	5.43587	844	160	0	0	0	1	0	0	0	0	0	0	0	5.38996
161	5.39867	-0.026359	5.34122	5.45612	5.38243	5.41492	833	161	0	0	0	0	1	0	0	0	0	0	0	5.37231
162	5.56694	-0.037223	5.50949	5.62439	5.55070	5.58318	935	162	0	0	0	0	0	1	0	0	0	0	0	5.52972
163	5.76274	0.009319	5.70529	5.82019	5.74650	5.77898	1110	163	0	0	0	0	0	0	1	0	0	0	0	5.77206
164	5.79717	-0.006996	5.73972	5.85462	5.78093	5.81341	1124	164	0	0	0	0	0	0	0	1	0	0	0	5.79017
165	5.45873	-0.030856	5.40128	5.51618	5.44249	5.47498	868	165	0	0	0	0	0	0	0	0	1	0	0	5.42788
166	5.44147	-0.026145	5.38402	5.49892	5.42523	5.45772	860	166	0	0	0	0	0	0	0	0	0	1	0	5.41533
167	5.25240	0.001582	5.19495	5.30985	5.23616	5.26865	762	167	0	0	0	0	0	0	0	0	0	0	1	5.25398
168	5.39786	0.044031	5.34041	5.45531	5.38162	5.41410	877	168	0	0	0	0	0	0	0	0	0	0	0	5.44189
169	5.34891	.	5.29132	5.40649	5.33219	5.36563	.	169	1	0	0	0	0	0	0	0	0	0	0	.
170	5.26410	.	5.20652	5.32168	5.24738	5.28082	.	170	0	1	0	0	0	0	0	0	0	0	0	.
171	5.30130	.	5.24372	5.35889	5.28459	5.31802	.	171	0	0	1	0	0	0	0	0	0	0	0	.
172	5.46180	.	5.40422	5.51939	5.44509	5.47852	.	172	0	0	0	1	0	0	0	0	0	0	0	.
173	5.44085	.	5.38327	5.49844	5.42414	5.45757	.	173	0	0	0	0	1	0	0	0	0	0	0	.
174	5.60912	.	5.55154	5.66671	5.59240	5.62584	.	174	0	0	0	0	0	1	0	0	0	0	0	.
175	5.80492	.	5.74734	5.86250	5.78820	5.82164	.	175	0	0	0	0	0	0	1	0	0	0	0	.
176	5.83935	.	5.78177	5.89694	5.82263	5.85607	.	176	0	0	0	0	0	0	0	1	0	0	0	.
177	5.50091	.	5.44333	5.55850	5.48420	5.51763	.	177	0	0	0	0	0	0	0	0	1	0	0	.
178	5.48365	.	5.42607	5.54124	5.46694	5.50037	.	178	0	0	0	0	0	0	0	0	0	1	0	.
179	5.29458	.	5.23700	5.35217	5.27787	5.31130	.	179	0	0	0	0	0	0	0	0	0	0	1	.
180	5.44004	.	5.38246	5.49763	5.42333	5.45676	.	180	0	0	0	0	0	0	0	0	0	0	0	.