Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Name of Variable = Segment_Pop_in_1000s	
Period(s) of Differencing	1,7
Mean of Working Series	22.22347
Standard Deviation	30056.59
Number of Observations	470
Observation(s) eliminated by differencing	8

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	130.90	6	<.0001	-0.392	-0.287	0.158	0.054	0.114	0.011
12	601.21	12	<.0001	-0.601	0.608	0.099	-0.454	0.080	0.158
18	773.75	18	<.0001	0.035	0.049	-0.402	0.181	0.335	-0.207
24	830.80	24	<.0001	-0.222	0.174	0.043	0.049	-0.173	0.045

Variable BOTH SEXES0-15 has been differenced.

Correlation of Segment_Pop_in_1000s and BOTH SEXES0-15	
Period(s) of Differencing	1,7
Variance of input =	33440.29
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable BOTH SEXES16-17 has been differenced.

Correlation of Segment_Pop_in_1000s and BOTH SEXES16-17	
Period(s) of Differencing	1,7
Variance of input =	1981.04
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable BOTH SEXES18-24 has been differenced.

Correlation of Segment_Pop_in_1000s and BOTH SEXES18-24	
Period(s) of Differencing	1,7
Variance of input =	19629.21
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable BOTH SEXES25-34 has been differenced.

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Correlation of Segment_Pop_in_1000s and BOTH SEXES25-34	
Period(s) of Differencing	1,7
Variance of input =	37042.44
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable BOTH SEXES35-44 has been differenced.

Correlation of Segment_Pop_in_1000s and BOTH SEXES35-44	
Period(s) of Differencing	1,7
Variance of input =	36898.06
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable BOTH SEXES45-54 has been differenced.

Correlation of Segment_Pop_in_1000s and BOTH SEXES45-54	
Period(s) of Differencing	1,7
Variance of input =	103810.3
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable BOTH SEXES55-64 has been differenced.

Correlation of Segment_Pop_in_1000s and BOTH SEXES55-64	
Period(s) of Differencing	1,7
Variance of input =	89091.47
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable BOTH SEXES65+ has been differenced.

Correlation of Segment_Pop_in_1000s and BOTH SEXES65+	
Period(s) of Differencing	1,7
Variance of input =	134502.6
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable FEMALE0-15 has been differenced.

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Correlation of Segment_Pop_in_1000s and FEMALE0-15	
Period(s) of Differencing	1,7
Variance of input =	7840.273
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable FEMALE16-17 has been differenced.

Correlation of Segment_Pop_in_1000s and FEMALE16-17	
Period(s) of Differencing	1,7
Variance of input =	457.0799
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable FEMALE18-24 has been differenced.

Correlation of Segment_Pop_in_1000s and FEMALE18-24	
Period(s) of Differencing	1,7
Variance of input =	4482.858
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable FEMALE25-34 has been differenced.

Correlation of Segment_Pop_in_1000s and FEMALE25-34	
Period(s) of Differencing	1,7
Variance of input =	6572.911
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable FEMALE35-44 has been differenced.

Correlation of Segment_Pop_in_1000s and FEMALE35-44	
Period(s) of Differencing	1,7
Variance of input =	9057.48
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable FEMALE45-54 has been differenced.

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Correlation of Segment_Pop_in_1000s and FEMALE45-54	
Period(s) of Differencing	1,7
Variance of input =	26117.9
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable FEMALE55-64 has been differenced.

Correlation of Segment_Pop_in_1000s and FEMALE55-64	
Period(s) of Differencing	1,7
Variance of input =	23249.11
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable FEMALE65+ has been differenced.

Correlation of Segment_Pop_in_1000s and FEMALE65+	
Period(s) of Differencing	1,7
Variance of input =	56980.07
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable MALE0-15 has been differenced.

Correlation of Segment_Pop_in_1000s and MALE0-15	
Period(s) of Differencing	1,7
Variance of input =	8906.784
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable MALE16-17 has been differenced.

Correlation of Segment_Pop_in_1000s and MALE16-17	
Period(s) of Differencing	1,7
Variance of input =	537.3442
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable MALE18-24 has been differenced.

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Correlation of Segment_Pop_in_1000s and MALE18-24	
Period(s) of Differencing	1,7
Variance of input =	5392.013
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable MALE25-34 has been differenced.

Correlation of Segment_Pop_in_1000s and MALE25-34	
Period(s) of Differencing	1,7
Variance of input =	12868.34
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable MALE35-44 has been differenced.

Correlation of Segment_Pop_in_1000s and MALE35-44	
Period(s) of Differencing	1,7
Variance of input =	9411.119
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable MALE45-54 has been differenced.

Correlation of Segment_Pop_in_1000s and MALE45-54	
Period(s) of Differencing	1,7
Variance of input =	25836.84
Number of Observations	470
Observation(s) eliminated by differencing	8

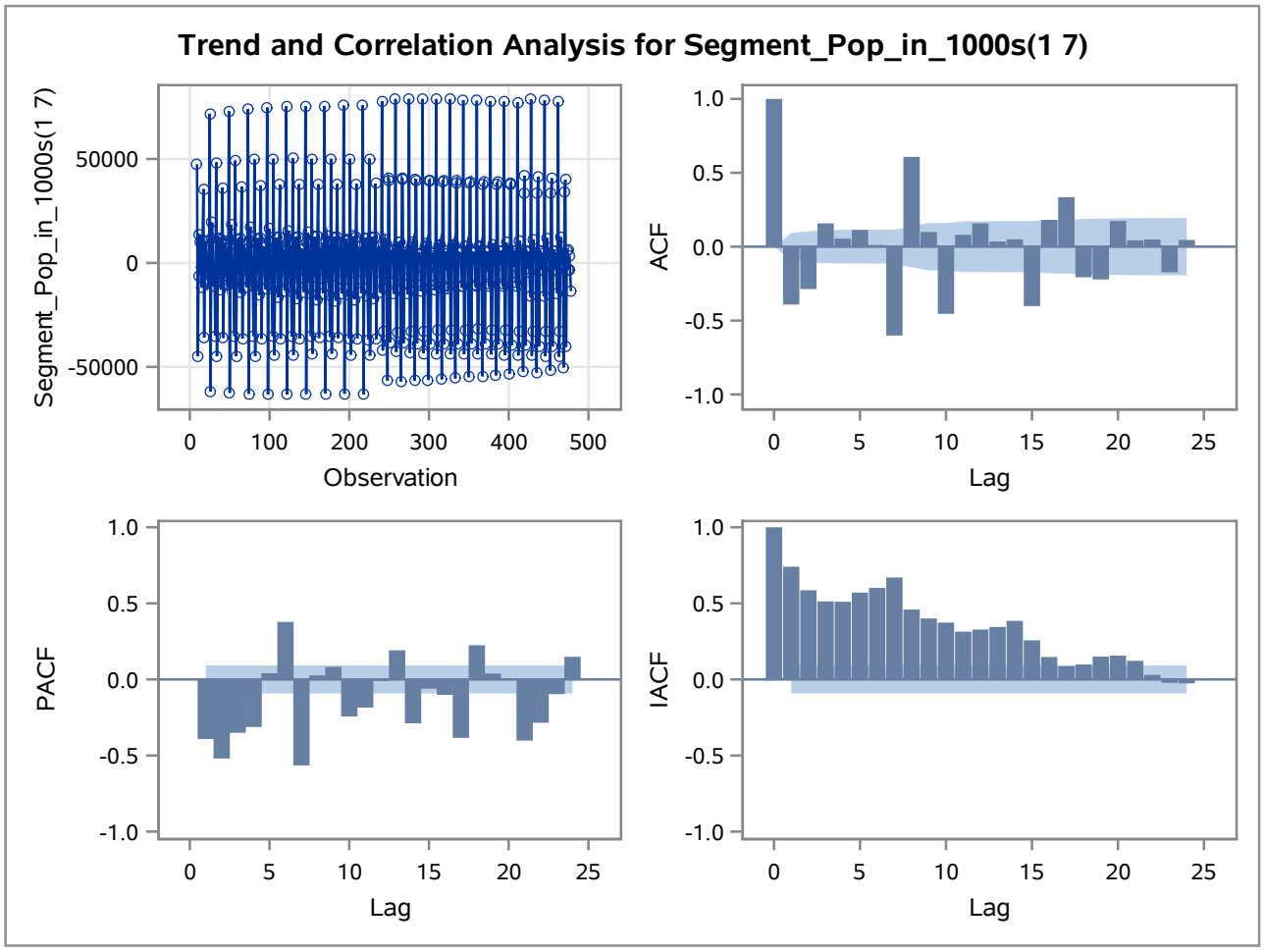
Variable MALE55-64 has been differenced.

Correlation of Segment_Pop_in_1000s and MALE55-64	
Period(s) of Differencing	1,7
Variance of input =	21367.29
Number of Observations	470
Observation(s) eliminated by differencing	8

Variable MALE65+ has been differenced.

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Correlation of Segment_Pop_in_1000s and MALE65+	
Period(s) of Differencing	1,7
Variance of input =	18696.6
Number of Observations	470
Observation(s) eliminated by differencing	8



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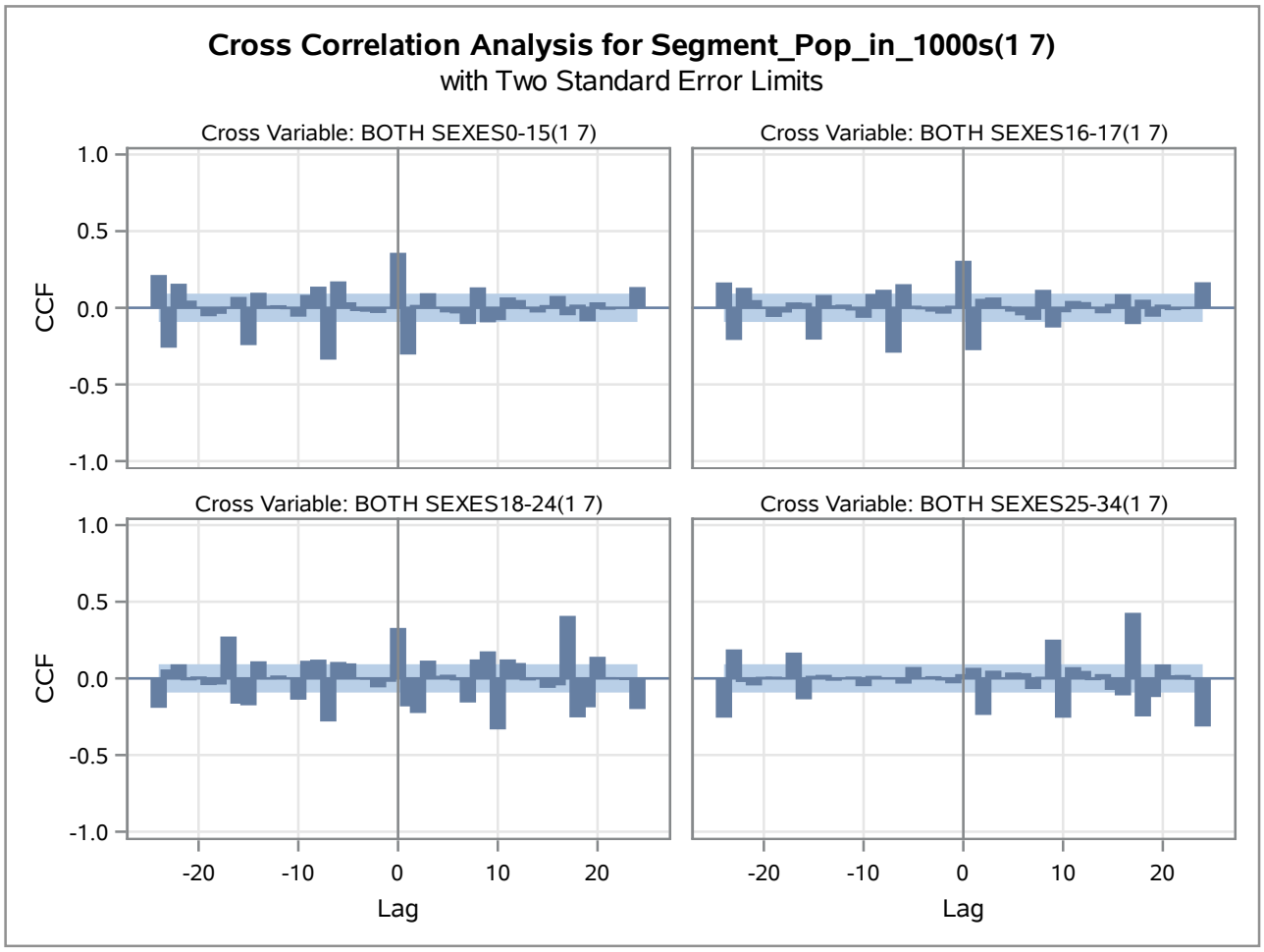

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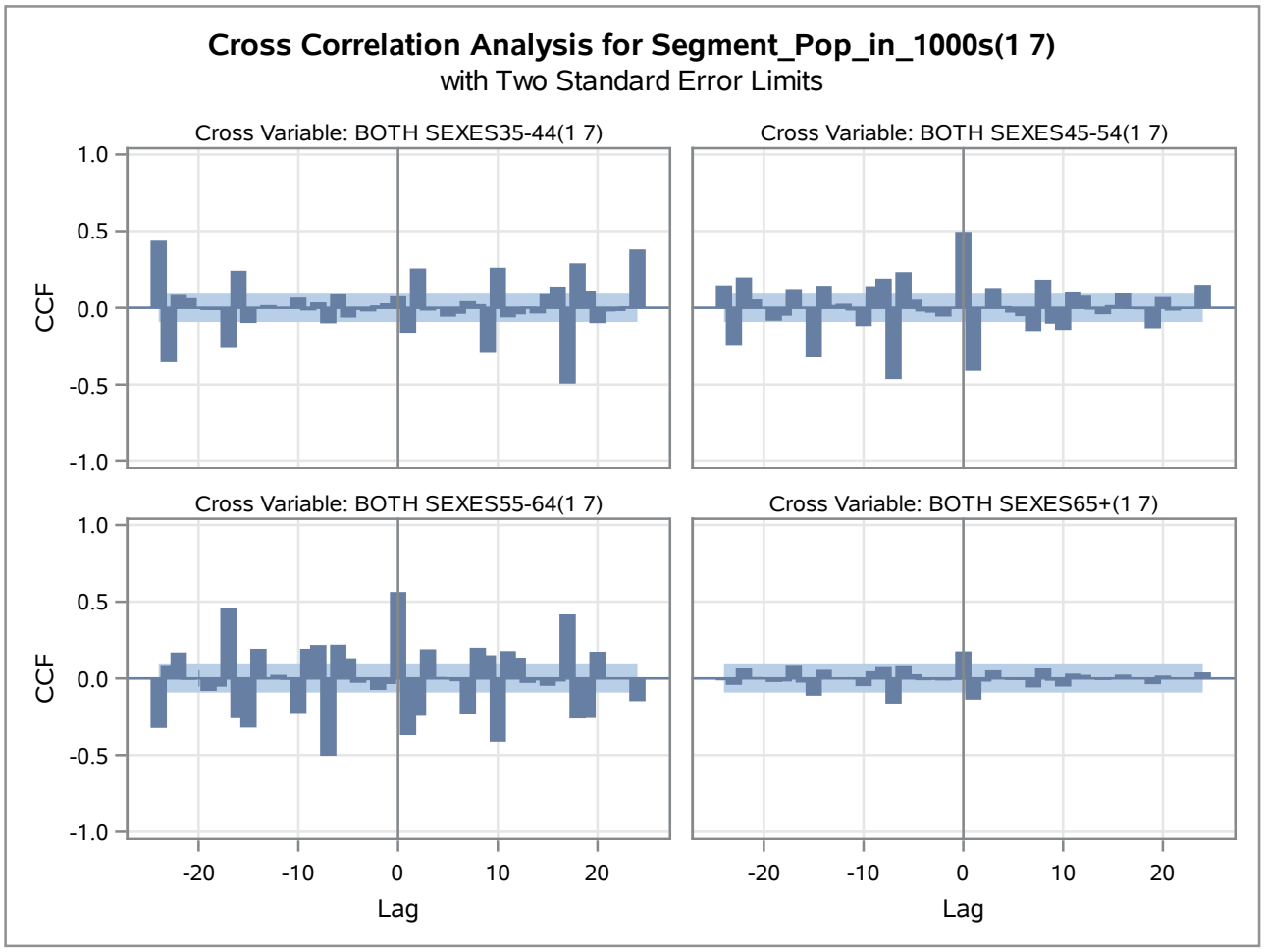

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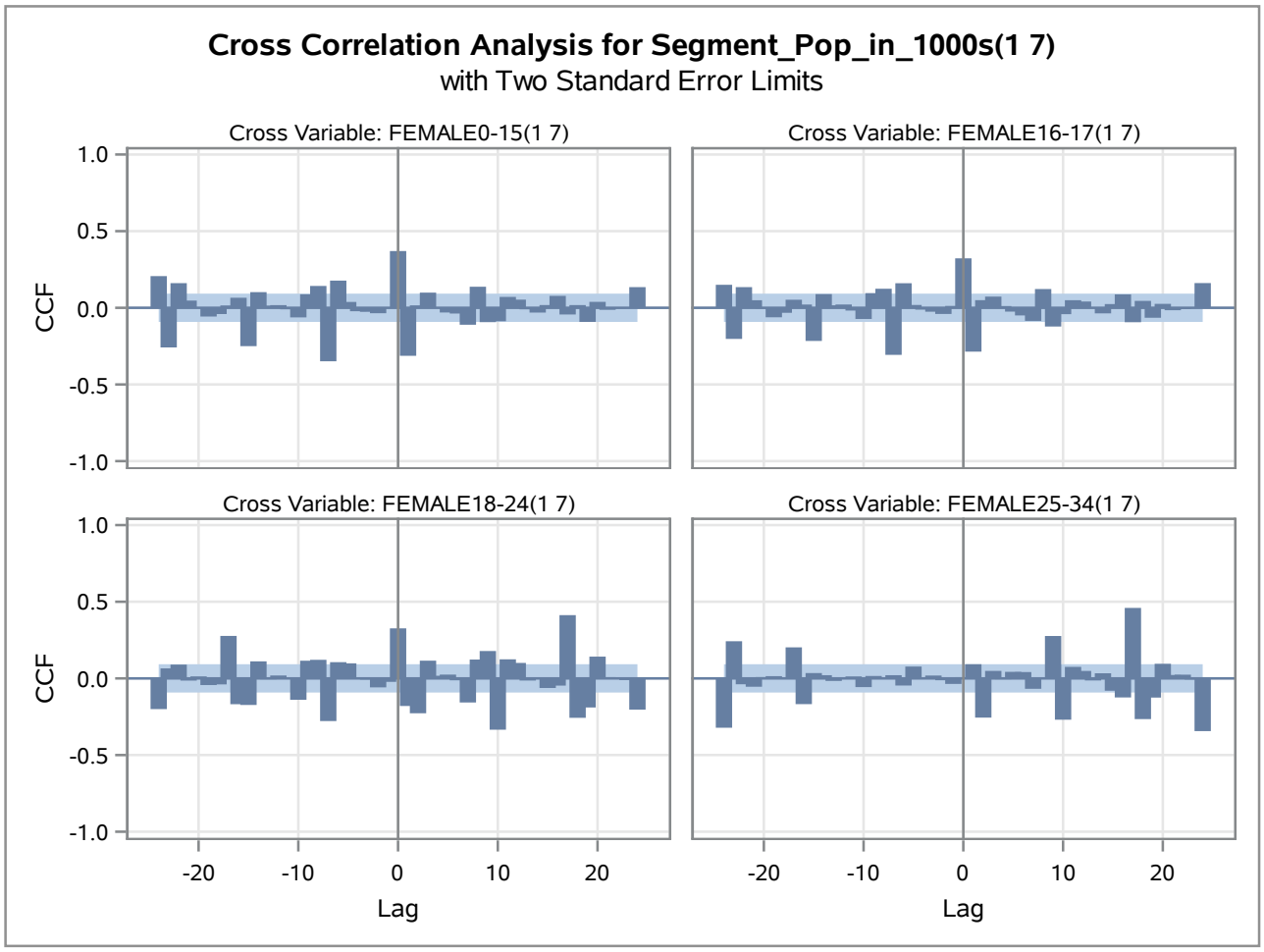

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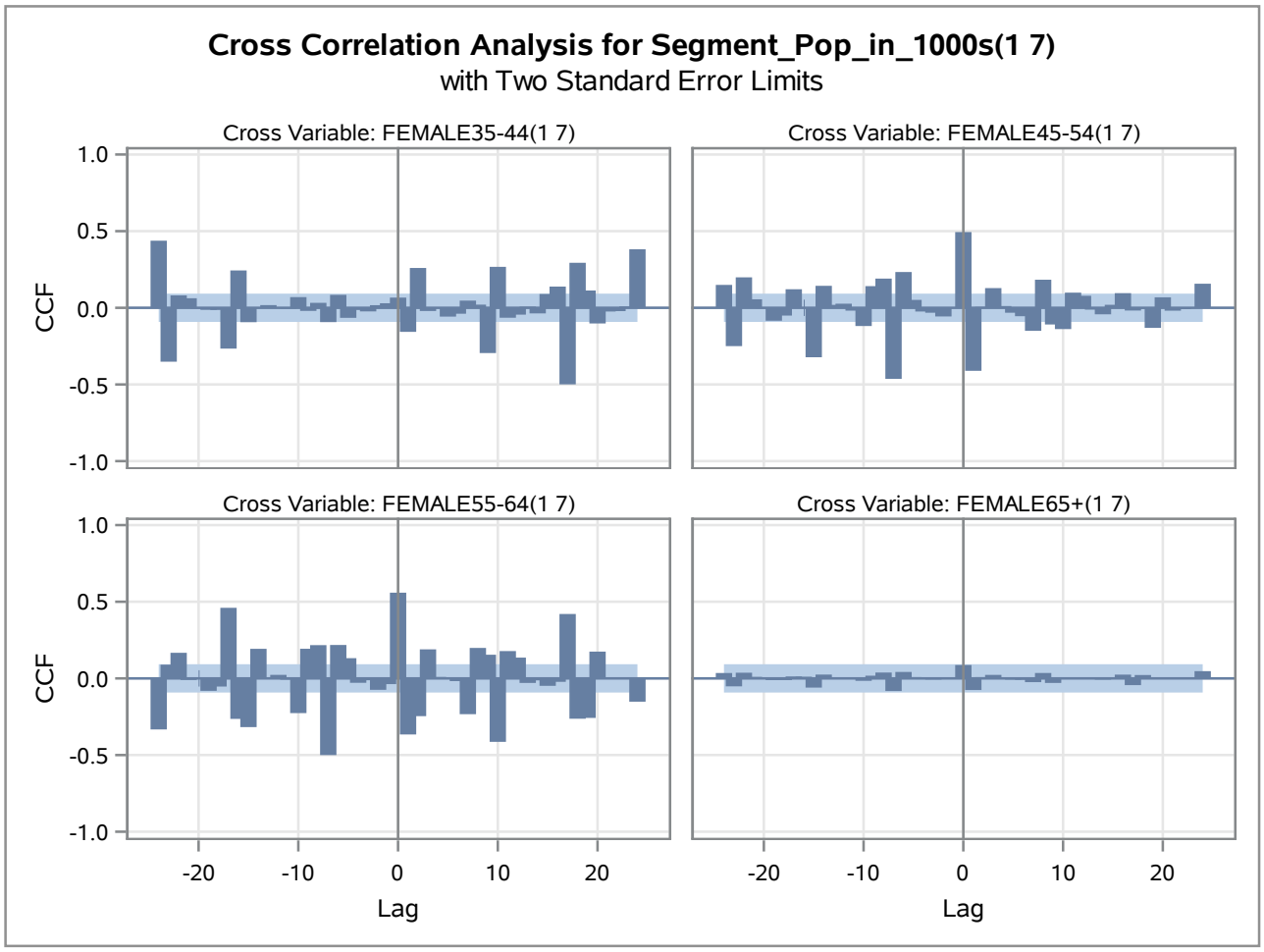

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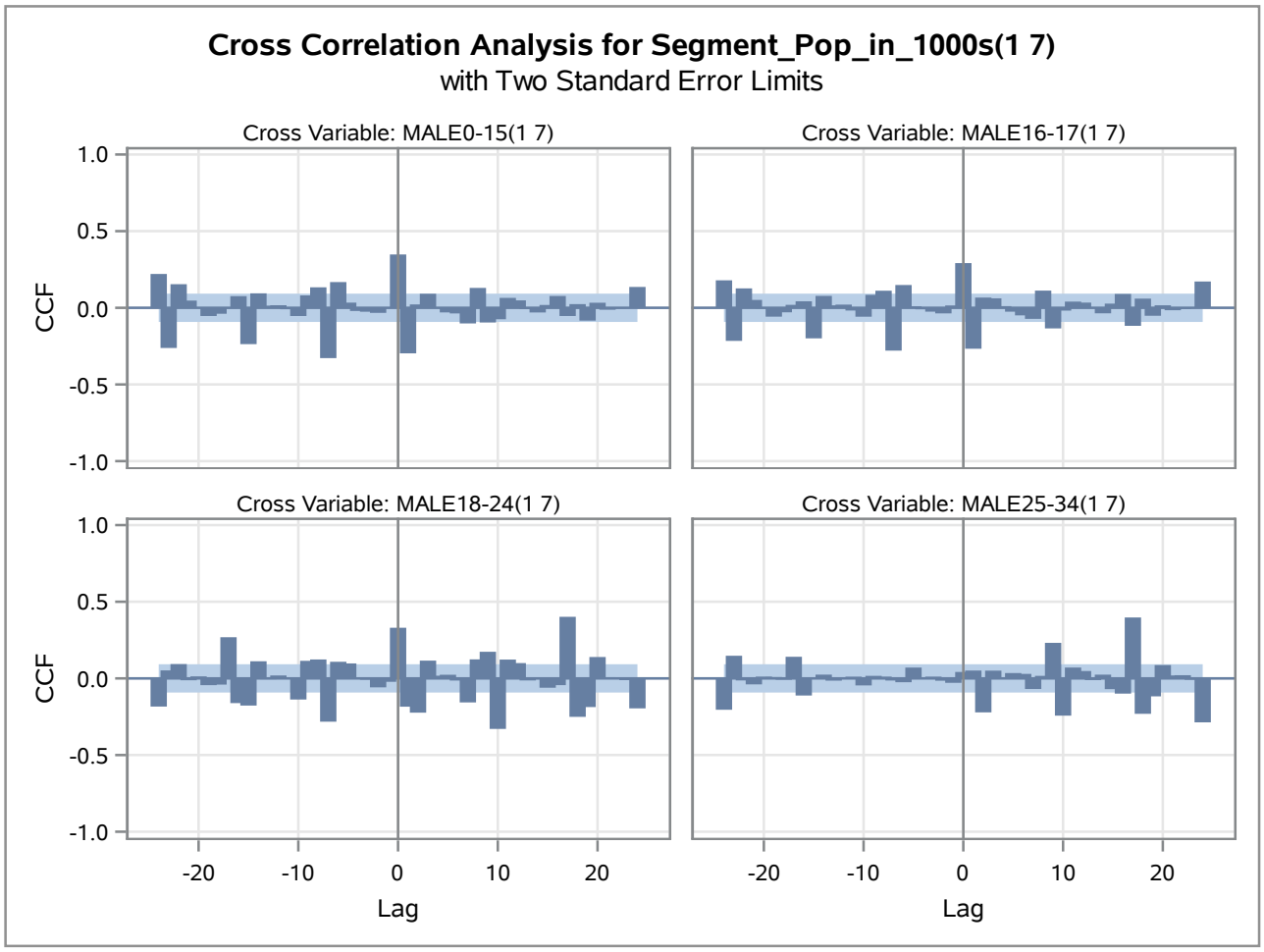

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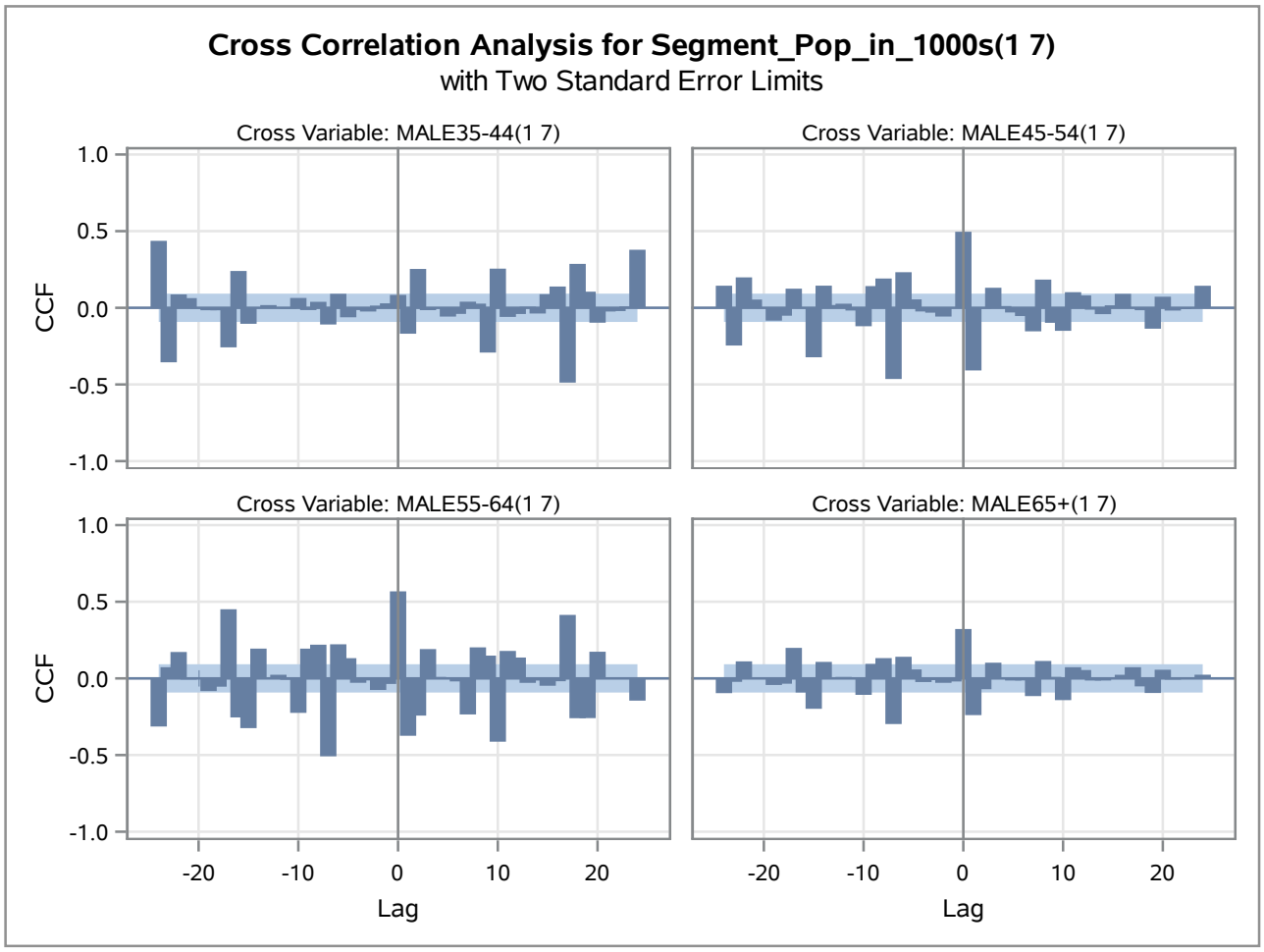


Warning: The Marquardt direction (approximate Hessian) matrix is singular. The singularity was detected for the row corresponding to the NUM18 parameter.

Warning: The Marquardt direction (approximate Hessian) matrix is singular. The singularity was detected for the row corresponding to the NUM21 parameter.

Warning: The Marquardt direction (approximate Hessian) matrix is singular. The singularity was detected for the row corresponding to the NUM24 parameter.

Warning: The model defined by the new estimates is unstable. The iteration process has been terminated.

Warning: Estimates may not have converged.

Warning: The Marquardt direction (approximate Hessian) matrix is singular. The singularity was detected for the row corresponding to the NUM18 parameter.

Warning: The Marquardt direction (approximate Hessian) matrix is singular. The singularity was detected for the row corresponding to the NUM21 parameter.

Warning: The Marquardt direction (approximate Hessian) matrix is singular. The singularity was detected for the row corresponding to the NUM24 parameter.

ARIMA Estimation Optimization Summary	
Estimation Method	Maximum Likelihood
Parameters Estimated	29
Termination Criteria	Maximum Relative Change in Estimates
Iteration Stopping Value	0.001
Criteria Value	103.5768
Maximum Absolute Value of Gradient	2.222E10
R-Square Change from Last Iteration	0.449167
Objective Function	Log Gaussian Likelihood
Objective Function Value	-5181.57

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

ARIMA Estimation Optimization Summary	
Marquardt's Lambda Coefficient	0.00001
Numerical Derivative Perturbation Delta	0.001
Iterations	6
Warning Message	Estimates may not have converged.

Warning: The cross products matrix used to approximate the correlations of the estimates is singular after the estimation process has terminated.

Maximum Likelihood Estimation							
Parameter	**Estimate**	**Standard Error**	**t Value**	**Approx Pr > |t|**	**Lag**	**Variable**	**Shift**
MU	-14.91931	33.96394	-0.44	0.6605	0	Segment_Pop_in_1000s	0
MA1,1	-0.71217	1.02343	-0.70	0.4865	1	Segment_Pop_in_1000s	0
MA2,1	0.99982	12.94999	0.08	0.9385	7	Segment_Pop_in_1000s	0
AR1,1	-0.69252	1.05302	-0.66	0.5108	1	Segment_Pop_in_1000s	0
AR2,1	-0.06210	0.06050	-1.03	0.3047	7	Segment_Pop_in_1000s	0
NUM1	85.97844	392814.3	0.00	0.9998	0	BOTH SEXES0-15	0
NUM2	-701.12825	7582.2	-0.09	0.9263	0	BOTH SEXES16-17	0
NUM3	153.14448	270217.2	0.00	0.9995	0	BOTH SEXES18-24	0
NUM4	79.47213	469401.0	0.00	0.9999	0	BOTH SEXES25-34	0
NUM5	-59.12389	547573.4	-0.00	0.9999	0	BOTH SEXES35-44	0
NUM6	17.09563	141260.2	0.00	0.9999	0	BOTH SEXES45-54	0
NUM7	-67.60684	120208.9	-0.00	0.9996	0	BOTH SEXES55-64	0
NUM8	19.51005	210120.9	0.00	0.9999	0	BOTH SEXES65+	0
NUM9	251.57189	394306.1	0.00	0.9995	0	FEMALE0-15	0
NUM10	1036.2	15251.2	0.07	0.9458	0	FEMALE16-17	0
NUM11	-167.88838	266922.1	-0.00	0.9995	0	FEMALE18-24	0
NUM12	-39.71798	472762.5	-0.00	0.9999	0	FEMALE25-34	0
NUM13	128.57200	543804.1	0.00	0.9998	0	FEMALE35-44	0
NUM14	34.52641	134612.7	0.00	0.9998	0	FEMALE45-54	0
NUM15	164.25058	119266.8	0.00	0.9989	0	FEMALE55-64	0
NUM16	-63.36142	210127.8	-0.00	0.9998	0	FEMALE65+	0
NUM17	-382.23769	389988.5	-0.00	0.9992	0	MALE0-15	0
NUM18	378.07919	0	Infty	<.0001	0	MALE16-17	0
NUM19	-131.85061	273894.8	-0.00	0.9996	0	MALE18-24	0
NUM20	-102.80033	467521.7	-0.00	0.9998	0	MALE25-34	0
NUM21	26.03589	551331.5	0.00	1.0000	0	MALE35-44	0
NUM22	-37.00227	148120.7	-0.00	0.9998	0	MALE45-54	0

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Maximum Likelihood Estimation							
Parameter	**Estimate**	**Standard Error**	**t Value**	**Approx Pr > |t|**	**Lag**	**Variable**	**Shift**
NUM23	5.97244	120894.0	0.00	1.0000	0	MALE55-64	0
NUM24	70.80614	210089.6	0.00	0.9997	0	MALE65+	0

Constant Estimate	-26.8192
Variance Estimate	2.2032E8
Std Error Estimate	14843.14
AIC	10421.14
SBC	10541.57
Number of Residuals	470

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Correlations of Parameter Estimates				
Variable Parameter	Segment_Pop_in_1000s MU	Segment_Pop_in_1000s MA1,1	Segment_Pop_in_1000s MA2,1	Segment_Pop_in_1000s AR1,1
Segment_Pop_in_1000s MU	1.000	0.020	-0.263	0.020
Segment_Pop_in_1000s MA1,1	0.020	1.000	-0.001	0.999
Segment_Pop_in_1000s MA2,1	-0.263	-0.001	1.000	-0.003
Segment_Pop_in_1000s AR1,1	0.020	0.999	-0.003	1.000
Segment_Pop_in_1000s AR2,1	-0.109	0.318	0.407	0.322
BOTH SEXES0-15 NUM1	0.014	0.001	-0.041	0.001
BOTH SEXES16-17 NUM2	0.007	-0.000	-0.009	-0.000
BOTH SEXES18-24 NUM3	-0.009	0.000	0.018	0.000
BOTH SEXES25-34 NUM4	-0.011	-0.000	0.030	-0.000
BOTH SEXES35-44 NUM5	0.003	-0.001	0.002	-0.001
BOTH SEXES45-54 NUM6	0.005	-0.001	-0.006	-0.001
BOTH SEXES55-64 NUM7	-0.006	0.001	0.015	0.001
BOTH SEXES65+ NUM8	-0.009	0.000	0.021	0.000
FEMALE0-15 NUM9	-0.014	-0.001	0.041	-0.001
FEMALE16-17 NUM10	-0.007	0.000	0.008	0.000
FEMALE18-24 NUM11	0.009	-0.000	-0.018	-0.000
FEMALE25-34 NUM12	0.011	0.000	-0.029	0.000
FEMALE35-44 NUM13	-0.003	0.001	-0.002	0.001
FEMALE45-54 NUM14	-0.004	0.001	0.006	0.001
FEMALE55-64 NUM15	0.006	-0.001	-0.015	-0.001
FEMALE65+ NUM16	0.009	-0.000	-0.021	-0.000
MALE0-15 NUM17	-0.014	-0.001	0.041	-0.001
MALE16-17 NUM18	0.000	0.000	0.000	0.000
MALE18-24 NUM19	0.009	-0.000	-0.018	-0.000
MALE25-34 NUM20	0.011	0.000	-0.030	0.000
MALE35-44 NUM21	-0.003	0.001	-0.002	0.001
MALE45-54 NUM22	-0.005	0.001	0.007	0.001
MALE55-64 NUM23	0.006	-0.001	-0.014	-0.001
MALE65+ NUM24	0.009	-0.000	-0.021	-0.000

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Correlations of Parameter Estimates						
Variable	Parameter	Segment_Pop_in_1000s AR2,1	BOTH SEXES0-15 NUM1	BOTH SEXES16-17 NUM2	BOTH SEXES18-24 NUM3	BOTH SEXES25-34 NUM4
Segment_Pop_in_1000s	MU	-0.109	0.014	0.007	-0.009	-0.011
Segment_Pop_in_1000s	MA1,1	0.318	0.001	-0.000	0.000	-0.000
Segment_Pop_in_1000s	MA2,1	0.407	-0.041	-0.009	0.018	0.030
Segment_Pop_in_1000s	AR1,1	0.322	0.001	-0.000	0.000	-0.000
Segment_Pop_in_1000s	AR2,1	1.000	-0.018	-0.007	0.010	0.014
BOTH SEXES0-15	NUM1	-0.018	1.000	0.894	-0.770	-0.987
BOTH SEXES16-17	NUM2	-0.007	0.894	1.000	-0.896	-0.942
BOTH SEXES18-24	NUM3	0.010	-0.770	-0.896	1.000	0.826
BOTH SEXES25-34	NUM4	0.014	-0.987	-0.942	0.826	1.000
BOTH SEXES35-44	NUM5	-0.002	0.632	0.847	-0.971	-0.721
BOTH SEXES45-54	NUM6	-0.006	0.780	0.929	-0.979	-0.854
BOTH SEXES55-64	NUM7	0.009	-0.901	-0.967	0.933	0.954
BOTH SEXES65+	NUM8	0.011	-0.935	-0.971	0.926	0.974
FEMALE0-15	NUM9	0.018	-1.000	-0.895	0.771	0.987
FEMALE16-17	NUM10	0.007	-0.882	-1.000	0.900	0.933
FEMALE18-24	NUM11	-0.010	0.769	0.895	-1.000	-0.825
FEMALE25-34	NUM12	-0.014	0.987	0.942	-0.826	-1.000
FEMALE35-44	NUM13	0.002	-0.630	-0.846	0.970	0.719
FEMALE45-54	NUM14	0.005	-0.778	-0.927	0.978	0.853
FEMALE55-64	NUM15	-0.009	0.905	0.968	-0.932	-0.956
FEMALE65+	NUM16	-0.011	0.935	0.971	-0.926	-0.974
MALE0-15	NUM17	0.018	-1.000	-0.893	0.769	0.987
MALE16-17	NUM18	0.000	0.000	0.000	0.000	0.000
MALE18-24	NUM19	-0.011	0.772	0.897	-1.000	-0.828
MALE25-34	NUM20	-0.014	0.987	0.942	-0.826	-1.000
MALE35-44	NUM21	0.003	-0.634	-0.848	0.971	0.722
MALE45-54	NUM22	0.006	-0.782	-0.931	0.980	0.856
MALE55-64	NUM23	-0.008	0.897	0.966	-0.933	-0.951
MALE65+	NUM24	-0.011	0.935	0.971	-0.926	-0.974

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Correlations of Parameter Estimates						
Variable Parameter	BOTH SEXES35-44 NUM5	BOTH SEXES45-54 NUM6	BOTH SEXES55-64 NUM7	BOTH SEXES65+ NUM8	FEMALE0-15 NUM9	FEMALE16-17 NUM10
Segment_Pop_in_1000s MU	0.003	0.005	-0.006	-0.009	-0.014	-0.007
Segment_Pop_in_1000s MA1,1	-0.001	-0.001	0.001	0.000	-0.001	0.000
Segment_Pop_in_1000s MA2,1	0.002	-0.006	0.015	0.021	0.041	0.008
Segment_Pop_in_1000s AR1,1	-0.001	-0.001	0.001	0.000	-0.001	0.000
Segment_Pop_in_1000s AR2,1	-0.002	-0.006	0.009	0.011	0.018	0.007
BOTH SEXES0-15 NUM1	0.632	0.780	-0.901	-0.935	-1.000	-0.882
BOTH SEXES16-17 NUM2	0.847	0.929	-0.967	-0.971	-0.895	-1.000
BOTH SEXES18-24 NUM3	-0.971	-0.979	0.933	0.926	0.771	0.900
BOTH SEXES25-34 NUM4	-0.721	-0.854	0.954	0.974	0.987	0.933
BOTH SEXES35-44 NUM5	1.000	0.974	-0.886	-0.858	-0.633	-0.857
BOTH SEXES45-54 NUM6	0.974	1.000	-0.966	-0.949	-0.781	-0.933
BOTH SEXES55-64 NUM7	-0.886	-0.966	1.000	0.994	0.902	0.965
BOTH SEXES65+ NUM8	-0.858	-0.949	0.994	1.000	0.936	0.968
FEMALE0-15 NUM9	-0.633	-0.781	0.902	0.936	1.000	0.883
FEMALE16-17 NUM10	-0.857	-0.933	0.965	0.968	0.883	1.000
FEMALE18-24 NUM11	0.971	0.979	-0.932	-0.925	-0.770	-0.900
FEMALE25-34 NUM12	0.722	0.855	-0.954	-0.974	-0.987	-0.933
FEMALE35-44 NUM13	-1.000	-0.973	0.885	0.857	0.632	0.856
FEMALE45-54 NUM14	-0.973	-1.000	0.966	0.948	0.779	0.931
FEMALE55-64 NUM15	0.883	0.965	-1.000	-0.995	-0.905	-0.966
FEMALE65+ NUM16	0.858	0.949	-0.994	-1.000	-0.936	-0.968
MALE0-15 NUM17	-0.630	-0.778	0.900	0.934	1.000	0.881
MALE16-17 NUM18	0.000	0.000	0.000	0.000	0.000	0.000
MALE18-24 NUM19	0.970	0.979	-0.933	-0.927	-0.773	-0.902
MALE25-34 NUM20	0.721	0.854	-0.954	-0.974	-0.987	-0.933
MALE35-44 NUM21	-1.000	-0.974	0.886	0.859	0.635	0.858
MALE45-54 NUM22	-0.974	-1.000	0.967	0.950	0.783	0.936
MALE55-64 NUM23	0.889	0.968	-1.000	-0.993	-0.898	-0.965
MALE65+ NUM24	0.858	0.949	-0.994	-1.000	-0.936	-0.968

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

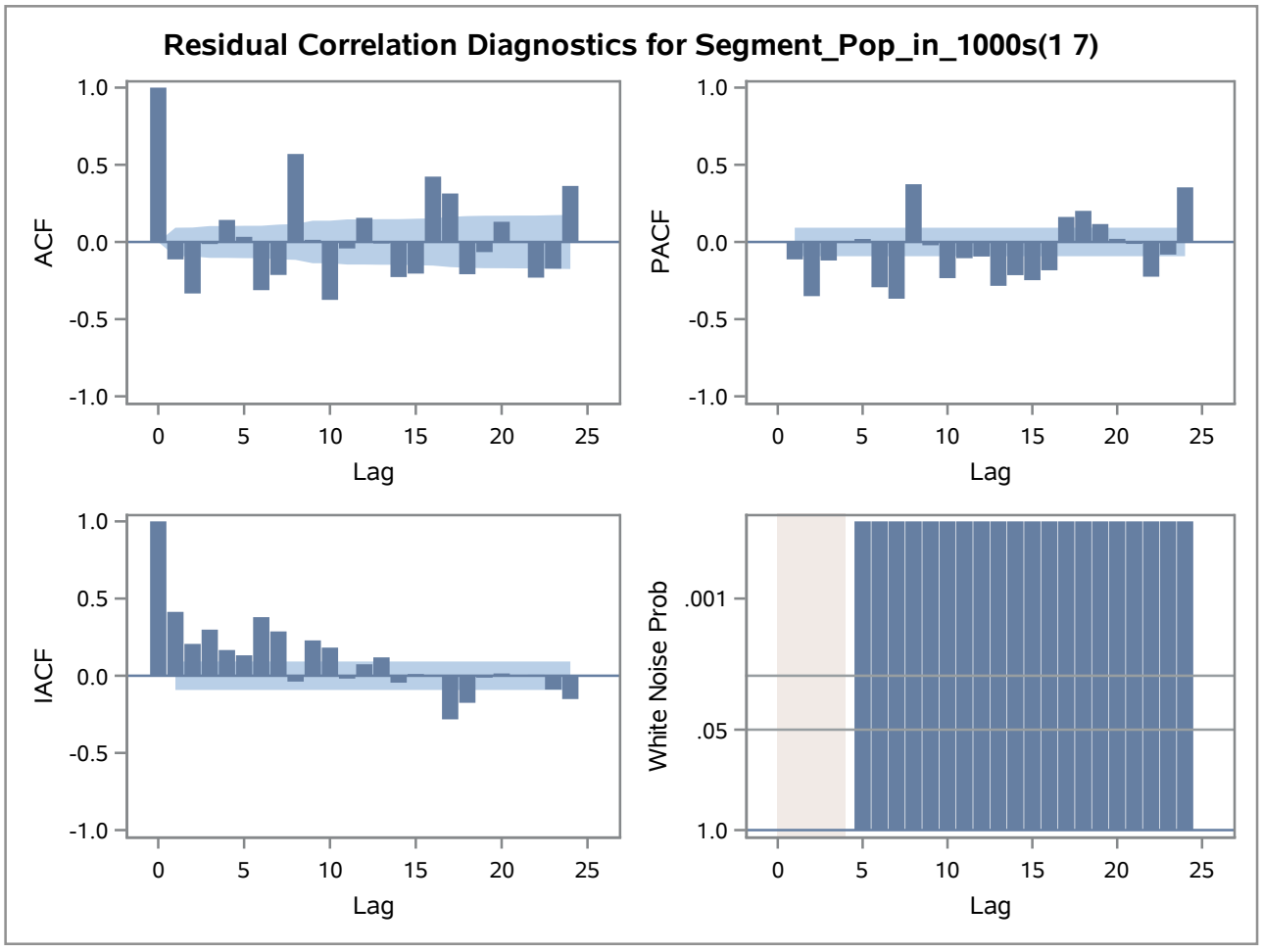
Correlations of Parameter Estimates								
Variable	Parameter	FEMALE18-24 NUM11	FEMALE25-34 NUM12	FEMALE35-44 NUM13	FEMALE45-54 NUM14	FEMALE55-64 NUM15	FEMALE65+ NUM16	MALE0-15 NUM17
Segment_Pop_in_1000s	MU	0.009	0.011	-0.003	-0.004	0.006	0.009	-0.014
Segment_Pop_in_1000s	MA1,1	-0.000	0.000	0.001	0.001	-0.001	-0.000	-0.001
Segment_Pop_in_1000s	MA2,1	-0.018	-0.029	-0.002	0.006	-0.015	-0.021	0.041
Segment_Pop_in_1000s	AR1,1	-0.000	0.000	0.001	0.001	-0.001	-0.000	-0.001
Segment_Pop_in_1000s	AR2,1	-0.010	-0.014	0.002	0.005	-0.009	-0.011	0.018
BOTH SEXES0-15	NUM1	0.769	0.987	-0.630	-0.778	0.905	0.935	-1.000
BOTH SEXES16-17	NUM2	0.895	0.942	-0.846	-0.927	0.968	0.971	-0.893
BOTH SEXES18-24	NUM3	-1.000	-0.826	0.970	0.978	-0.932	-0.926	0.769
BOTH SEXES25-34	NUM4	-0.825	-1.000	0.719	0.853	-0.956	-0.974	0.987
BOTH SEXES35-44	NUM5	0.971	0.722	-1.000	-0.973	0.883	0.858	-0.630
BOTH SEXES45-54	NUM6	0.979	0.855	-0.973	-1.000	0.965	0.949	-0.778
BOTH SEXES55-64	NUM7	-0.932	-0.954	0.885	0.966	-1.000	-0.994	0.900
BOTH SEXES65+	NUM8	-0.925	-0.974	0.857	0.948	-0.995	-1.000	0.934
FEMALE0-15	NUM9	-0.770	-0.987	0.632	0.779	-0.905	-0.936	1.000
FEMALE16-17	NUM10	-0.900	-0.933	0.856	0.931	-0.966	-0.968	0.881
FEMALE18-24	NUM11	1.000	0.826	-0.970	-0.978	0.931	0.925	-0.768
FEMALE25-34	NUM12	0.826	1.000	-0.720	-0.854	0.957	0.974	-0.987
FEMALE35-44	NUM13	-0.970	-0.720	1.000	0.973	-0.882	-0.857	0.628
FEMALE45-54	NUM14	-0.978	-0.854	0.973	1.000	-0.964	-0.948	0.777
FEMALE55-64	NUM15	0.931	0.957	-0.882	-0.964	1.000	0.995	-0.904
FEMALE65+	NUM16	0.925	0.974	-0.857	-0.948	0.995	1.000	-0.934
MALE0-15	NUM17	-0.768	-0.987	0.628	0.777	-0.904	-0.934	1.000
MALE16-17	NUM18	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MALE18-24	NUM19	1.000	0.828	-0.970	-0.978	0.933	0.927	-0.770
MALE25-34	NUM20	0.825	1.000	-0.719	-0.853	0.956	0.974	-0.987
MALE35-44	NUM21	-0.971	-0.723	1.000	0.974	-0.884	-0.859	0.632
MALE45-54	NUM22	-0.980	-0.857	0.973	1.000	-0.965	-0.950	0.781
MALE55-64	NUM23	0.933	0.952	-0.888	-0.968	1.000	0.993	-0.896
MALE65+	NUM24	0.925	0.974	-0.857	-0.948	0.995	1.000	-0.934

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

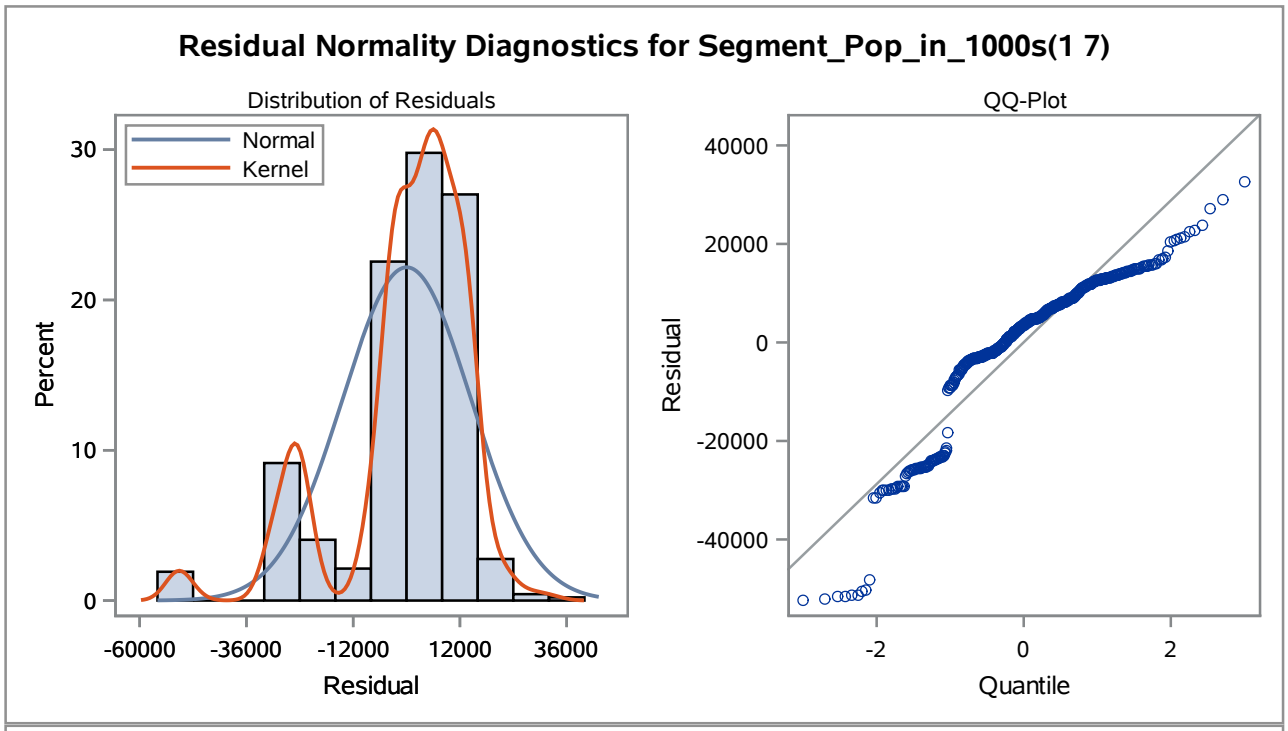
Correlations of Parameter Estimates							
Variable Parameter	MALE16-17 NUM18	MALE18-24 NUM19	MALE25-34 NUM20	MALE35-44 NUM21	MALE45-54 NUM22	MALE55-64 NUM23	MALE65+ NUM24
Segment_Pop_in_1000s MU	0.000	0.009	0.011	-0.003	-0.005	0.006	0.009
Segment_Pop_in_1000s MA1,1	0.000	-0.000	0.000	0.001	0.001	-0.001	-0.000
Segment_Pop_in_1000s MA2,1	0.000	-0.018	-0.030	-0.002	0.007	-0.014	-0.021
Segment_Pop_in_1000s AR1,1	0.000	-0.000	0.000	0.001	0.001	-0.001	-0.000
Segment_Pop_in_1000s AR2,1	0.000	-0.011	-0.014	0.003	0.006	-0.008	-0.011
BOTH SEXES0-15 NUM1	0.000	0.772	0.987	-0.634	-0.782	0.897	0.935
BOTH SEXES16-17 NUM2	0.000	0.897	0.942	-0.848	-0.931	0.966	0.971
BOTH SEXES18-24 NUM3	0.000	-1.000	-0.826	0.971	0.980	-0.933	-0.926
BOTH SEXES25-34 NUM4	0.000	-0.828	-1.000	0.722	0.856	-0.951	-0.974
BOTH SEXES35-44 NUM5	0.000	0.970	0.721	-1.000	-0.974	0.889	0.858
BOTH SEXES45-54 NUM6	0.000	0.979	0.854	-0.974	-1.000	0.968	0.949
BOTH SEXES55-64 NUM7	0.000	-0.933	-0.954	0.886	0.967	-1.000	-0.994
BOTH SEXES65+ NUM8	0.000	-0.927	-0.974	0.859	0.950	-0.993	-1.000
FEMALE0-15 NUM9	0.000	-0.773	-0.987	0.635	0.783	-0.898	-0.936
FEMALE16-17 NUM10	0.000	-0.902	-0.933	0.858	0.936	-0.965	-0.968
FEMALE18-24 NUM11	0.000	1.000	0.825	-0.971	-0.980	0.933	0.925
FEMALE25-34 NUM12	0.000	0.828	1.000	-0.723	-0.857	0.952	0.974
FEMALE35-44 NUM13	0.000	-0.970	-0.719	1.000	0.973	-0.888	-0.857
FEMALE45-54 NUM14	0.000	-0.978	-0.853	0.974	1.000	-0.968	-0.948
FEMALE55-64 NUM15	0.000	0.933	0.956	-0.884	-0.965	1.000	0.995
FEMALE65+ NUM16	0.000	0.927	0.974	-0.859	-0.950	0.993	1.000
MALE0-15 NUM17	0.000	-0.770	-0.987	0.632	0.781	-0.896	-0.934
MALE16-17 NUM18	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MALE18-24 NUM19	0.000	1.000	0.828	-0.971	-0.980	0.934	0.927
MALE25-34 NUM20	0.000	0.828	1.000	-0.722	-0.856	0.951	0.974
MALE35-44 NUM21	0.000	-0.971	-0.722	1.000	0.974	-0.889	-0.859
MALE45-54 NUM22	0.000	-0.980	-0.856	0.974	1.000	-0.968	-0.950
MALE55-64 NUM23	0.000	0.934	0.951	-0.889	-0.968	1.000	0.993
MALE65+ NUM24	0.000	0.927	0.974	-0.859	-0.950	0.993	1.000

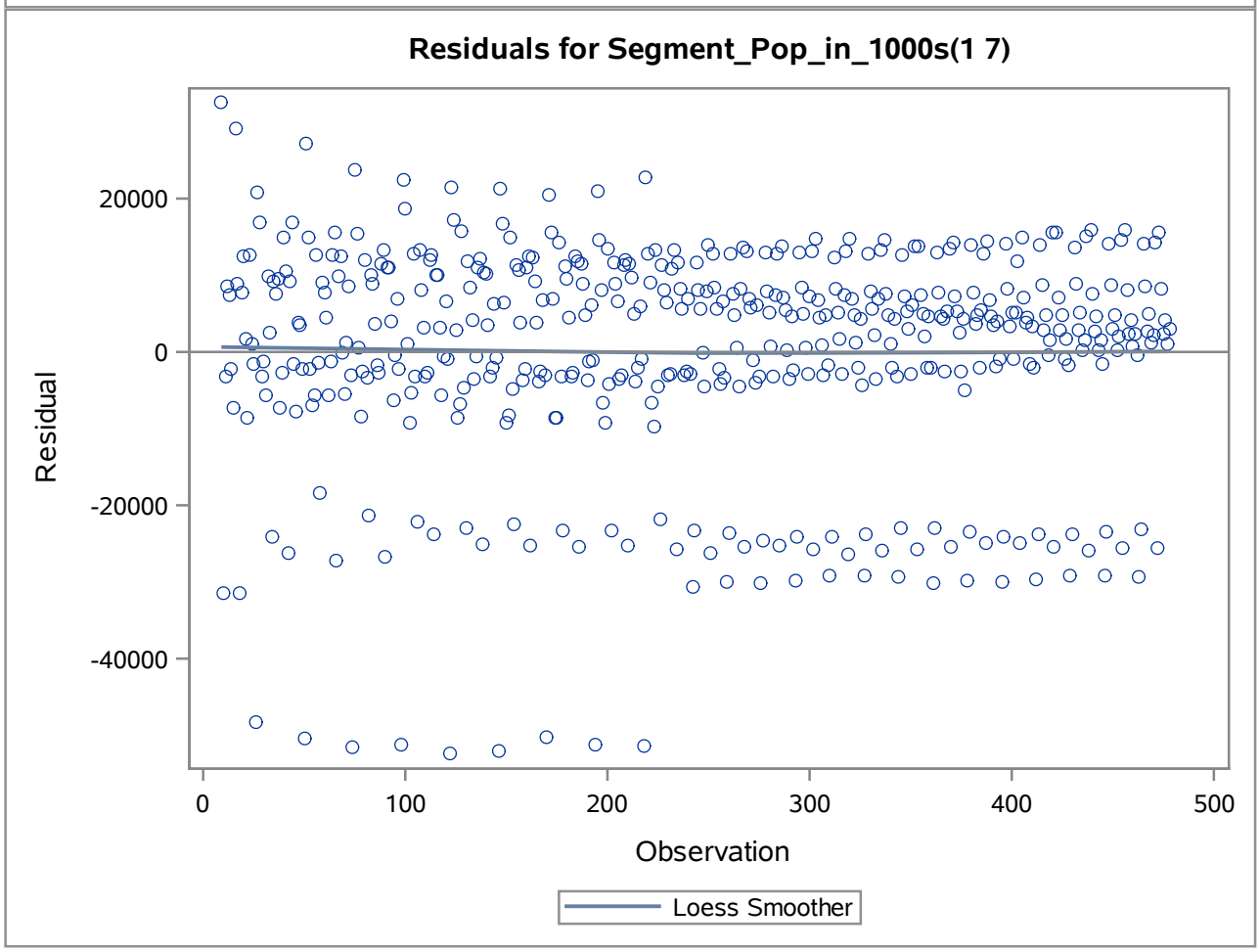
Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Autocorrelation Check of Residuals									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	115.70	2	<.0001	-0.113	-0.334	-0.013	0.143	0.033	-0.312
12	374.26	8	<.0001	-0.214	0.570	0.014	-0.375	-0.042	0.156
18	577.22	14	<.0001	-0.010	-0.227	-0.205	0.423	0.314	-0.209
24	694.64	20	<.0001	-0.066	0.131	0.005	-0.231	-0.173	0.363
30	747.08	26	<.0001	0.055	-0.080	-0.161	0.093	0.043	-0.242
36	815.67	32	<.0001	-0.099	0.294	-0.084	0.172	0.023	0.042
42	909.86	38	<.0001	0.013	-0.203	-0.116	0.297	-0.197	-0.031
48	1031.07	44	<.0001	0.130	-0.014	-0.033	-0.192	-0.124	0.401



Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.





Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Model for variable Segment_Pop_in_1000s	
Estimated Intercept	-14.9193
Period(s) of Differencing	1,7

Autoregressive Factors	
Factor 1:	1 + 0.69252 B**(1)
Factor 2:	1 + 0.0621 B**(7)

Moving Average Factors	
Factor 1:	1 + 0.71217 B**(1)
Factor 2:	1 - 0.99982 B**(7)

Input Number 1	
Input Variable	BOTH SEXES0-15
Period(s) of Differencing	1,7
Overall Regression Factor	85.97844

Input Number 2	
Input Variable	BOTH SEXES16-17
Period(s) of Differencing	1,7
Overall Regression Factor	-701.128

Input Number 3	
Input Variable	BOTH SEXES18-24
Period(s) of Differencing	1,7
Overall Regression Factor	153.1445

Input Number 4	
Input Variable	BOTH SEXES25-34
Period(s) of Differencing	1,7
Overall Regression Factor	79.47213

Input Number 5	
Input Variable	BOTH SEXES35-44
Period(s) of Differencing	1,7
Overall Regression Factor	-59.1239

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Input Number 6	
Input Variable	BOTH SEXES45-54
Period(s) of Differencing	1,7
Overall Regression Factor	17.09563

Input Number 7	
Input Variable	BOTH SEXES55-64
Period(s) of Differencing	1,7
Overall Regression Factor	-67.6068

Input Number 8	
Input Variable	BOTH SEXES65+
Period(s) of Differencing	1,7
Overall Regression Factor	19.51005

Input Number 9	
Input Variable	FEMALE0-15
Period(s) of Differencing	1,7
Overall Regression Factor	251.5719

Input Number 10	
Input Variable	FEMALE16-17
Period(s) of Differencing	1,7
Overall Regression Factor	1036.189

Input Number 11	
Input Variable	FEMALE18-24
Period(s) of Differencing	1,7
Overall Regression Factor	-167.888

Input Number 12	
Input Variable	FEMALE25-34
Period(s) of Differencing	1,7
Overall Regression Factor	-39.718

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Input Number 13	
Input Variable	FEMALE35-44
Period(s) of Differencing	1,7
Overall Regression Factor	128.572

Input Number 14	
Input Variable	FEMALE45-54
Period(s) of Differencing	1,7
Overall Regression Factor	34.52641

Input Number 15	
Input Variable	FEMALE55-64
Period(s) of Differencing	1,7
Overall Regression Factor	164.2506

Input Number 16	
Input Variable	FEMALE65+
Period(s) of Differencing	1,7
Overall Regression Factor	-63.3614

Input Number 17	
Input Variable	MALE0-15
Period(s) of Differencing	1,7
Overall Regression Factor	-382.238

Input Number 18	
Input Variable	MALE16-17
Period(s) of Differencing	1,7
Overall Regression Factor	378.0792

Input Number 19	
Input Variable	MALE18-24
Period(s) of Differencing	1,7
Overall Regression Factor	-131.851

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Input Number 20	
Input Variable	MALE25-34
Period(s) of Differencing	1,7
Overall Regression Factor	-102.8

Input Number 21	
Input Variable	MALE35-44
Period(s) of Differencing	1,7
Overall Regression Factor	26.03589

Input Number 22	
Input Variable	MALE45-54
Period(s) of Differencing	1,7
Overall Regression Factor	-37.0023

Input Number 23	
Input Variable	MALE55-64
Period(s) of Differencing	1,7
Overall Regression Factor	5.972438

Input Number 24	
Input Variable	MALE65+
Period(s) of Differencing	1,7
Overall Regression Factor	70.80614

Warning: Observation 2 is out of order according to the ID variable YEAR.

Warning: Observation 3 is out of order according to the ID variable YEAR.

Warning: Observation 4 is out of order according to the ID variable YEAR.

Warning: Observation 5 is out of order according to the ID variable YEAR.

Warning: Observation 6 is out of order according to the ID variable YEAR.

Warning: Observation 7 is out of order according to the ID variable YEAR.

Note: Further warnings will not be printed.

Warning: More values of input variable 'BOTH SEXES0-15'n are needed.

Warning: More values of input variable 'BOTH SEXES16-17'n are needed.

Warning: More values of input variable 'BOTH SEXES18-24'n are needed.

Warning: More values of input variable 'BOTH SEXES25-34'n are needed.

Warning: More values of input variable 'BOTH SEXES35-44'n are needed.

Warning: More values of input variable 'BOTH SEXES45-54'n are needed.

Warning: More values of input variable 'BOTH SEXES55-64'n are needed.

Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Warning: More values of input variable 'BOTH SEXES65+'n are needed.
Warning: More values of input variable 'FEMALE0-15'n are needed.

Warning: More values of input variable 'FEMALE16-17'n are needed.

Warning: More values of input variable 'FEMALE18-24'n are needed.

Warning: More values of input variable 'FEMALE25-34'n are needed.

Warning: More values of input variable 'FEMALE35-44'n are needed.

Warning: More values of input variable 'FEMALE45-54'n are needed.

Warning: More values of input variable 'FEMALE55-64'n are needed.

Warning: More values of input variable 'FEMALE65+'n are needed.

Warning: More values of input variable 'MALE0-15'n are needed.

Warning: More values of input variable 'MALE16-17'n are needed.

Warning: More values of input variable 'MALE18-24'n are needed.

Warning: More values of input variable 'MALE25-34'n are needed.

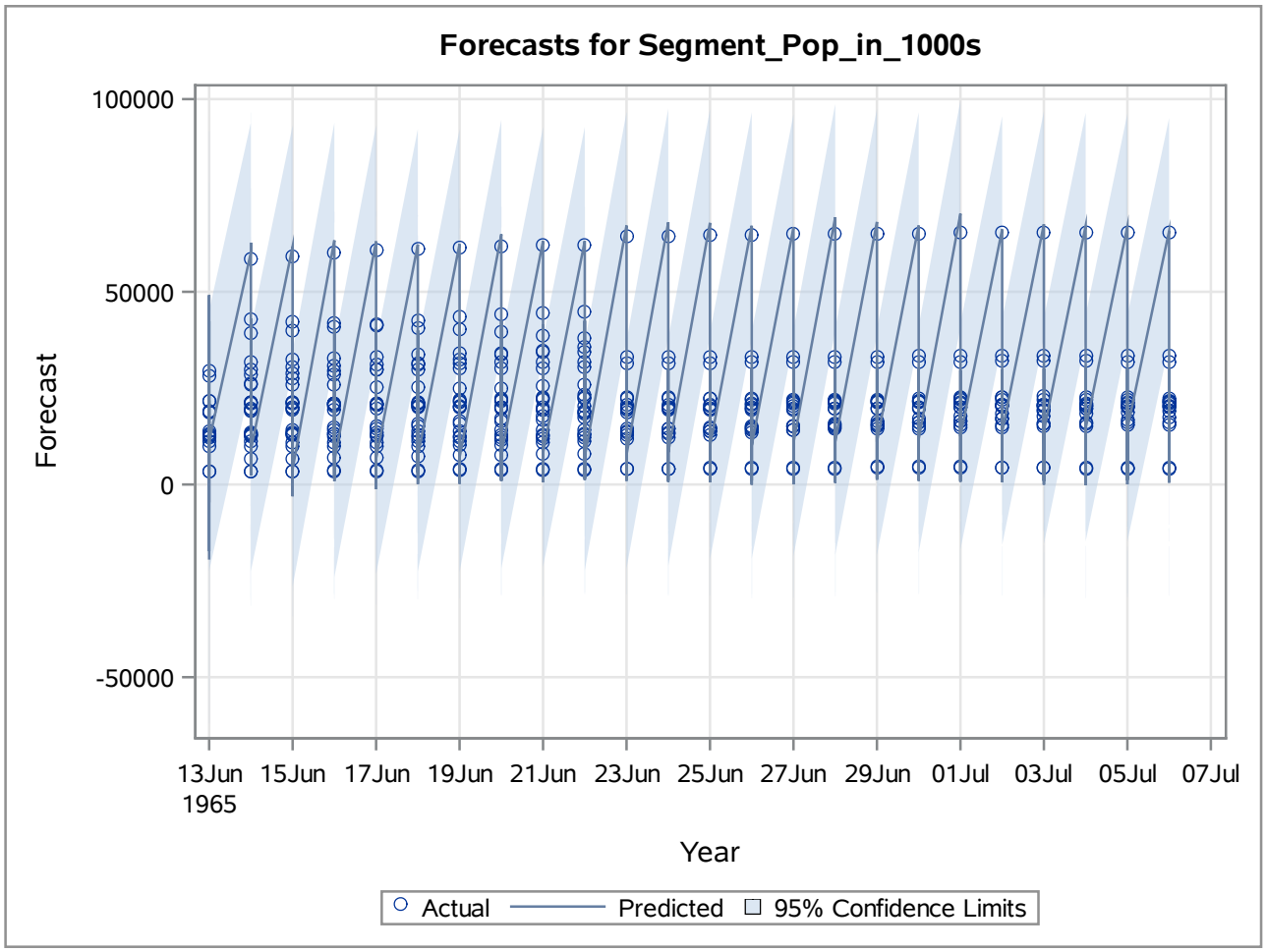
Warning: More values of input variable 'MALE35-44'n are needed.

Warning: More values of input variable 'MALE45-54'n are needed.

Warning: More values of input variable 'MALE55-64'n are needed.

Warning: More values of input variable 'MALE65+'n are needed.

The value for option LEAD= has been reduced to 0.



Industry_Mgmt_professional_and_R=. Industry_Prod_Trans_and_Material=. Industry_Sales_and_Office=. Industry_Service=. Industry_Nat_Res_Construction_an=.

Outlier Detection Summary	
Maximum number searched	5
Number found	5
Significance used	0.05

Outlier Details				
Obs	**Type**	**Estimate**	**Chi-Square**	**Approx Prob>ChiSq**
122	Shift	-52180.1	21.01	<.0001
74	Shift	-52086.4	21.88	<.0001
218	Shift	-52073.6	23.61	<.0001
146	Shift	-51979.9	24.67	<.0001
98	Shift	-51889.3	25.74	<.0001