

The SAS System
The CANCORR Procedure
Canonical Correlation Analysis

Note: The correlation matrix for the WITH Variables is less than full rank. Therefore, some canonical correlations and coefficients will be zero.

	Canonical Correlation	Adjusted Canonical Correlation	Approximate Standard Error	Squared Canonical Correlation	Eigenvalues of Inv(E)*H = CanRsqr/(1-CanRsqr)				Test of H0: The canonical correlations in the current row and all that follow are zero				
					Eigenvalue	Difference	Proportion	Cumulative	Likelihood Ratio	Approximate F Value	Num DF	Den DF	Pr > F
1	0.938872	0.933621	0.010395	0.881480	7.4374	6.1680	0.7669	0.7669	0.02302360	17.78	40	517.14	<.0001
2	0.747906	0.723961	0.038646	0.559364	1.2694	0.6861	0.1309	0.8978	0.19425969	8.85	28	430.48	<.0001
3	0.606984	0.576060	0.055392	0.368430	0.5834	0.2495	0.0602	0.9579	0.44086179	6.34	18	339.9	<.0001
4	0.500284	0.489701	0.065754	0.250284	0.3338	0.2598	0.0344	0.9924	0.69804120	4.77	10	242	<.0001
5	0.262537	0.236258	0.081661	0.068925	0.0740	0.0740	0.0076	1.0000	0.93107451	2.26	4	122	0.0667
6	0.000000	.	0.087706	0.000000	0.0000		0.0000	1.0000	1.00000000

Multivariate Statistics and F Approximations					
S=5 M=1 N=58					
Statistic	Value	F Value	Num DF	Den DF	Pr > F
Wilks' Lambda	0.02302360	17.78	40	517.14	<.0001
Pillai's Trace	2.12848393	11.30	40	610	<.0001
Hotelling-Lawley Trace	9.69808354	28.29	40	340.25	<.0001
Roy's Greatest Root	7.43741510	113.42	8	122	<.0001
NOTE: F Statistic for Roy's Greatest Root is an upper bound.					

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Raw Canonical Coefficients for the VAR Variables						
	V1	V2	V3	V4	V5	V6
Gasoline_Gallons	-2.001387E-8	8.2741845E-9	2.3649584E-8	-1.673377E-8	1.7331732E-8	2.3190607E-7
Diesel_Gallons	2.2492713E-8	-5.525781E-8	3.5282387E-9	-3.528551E-9	-1.154231E-7	2.301398E-7
Total_Gallons_ST_Road_Tax	1.8298282E-8	1.9954224E-8	-2.544128E-8	1.7825969E-8	1.9365766E-8	-2.263321E-7
Registration_Fee	1.3836572E-6	3.7090506E-6	-0.000018473	2.2880426E-6	-0.000012135	1.0010326E-7
Driver_license_Fee	-1.496933E-7	3.1462877E-7	2.4698007E-7	1.9720697E-7	-6.085167E-7	-5.884903E-8
Emission_inspection	-2.289491E-8	-1.298069E-7	-2.56601E-7	8.5205812E-7	-1.123392E-7	-1.812113E-8
Overweight	1.2305741E-6	-5.974655E-6	4.1032723E-6	1.1454926E-6	-2.11389E-6	-7.626135E-8
Title_fee	2.8711732E-7	-6.244403E-8	1.0049756E-6	-5.244351E-7	8.2257539E-7	1.4739187E-9

Raw Canonical Coefficients for the WITH Variables						
	W1	W2	W3	W4	W5	W6
Quarterly_GDP_of_NC	0.0000109453	-7.876639E-6	-0.000031113	9.0872708E-6	-0.000093308	0
Labor_Force	3.7795207E-6	5.2799657E-6	0.0000103026	-0.000029746	9.8422138E-6	0
Employment	-1.74893E-6	6.8312542E-6	-3.156779E-6	0.0000157995	5.7959504E-6	0
Unemployment	0	0	0	0	0	0
CPI_U	-0.013890785	-0.162885392	-0.074288539	0.0116770599	0.3143945084	0
Monthly_Retail_and_Food_Services	0.0000243077	-0.000024381	0.0001274263	-4.289804E-6	-0.000057648	0

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Canonical Correlation Analysis

Standardized Canonical Coefficients for the VAR Variables						
	V1	V2	V3	V4	V5	V6
Gasoline_Gallons	-0.6911	0.2857	0.8166	-0.5778	0.5985	8.0080
Diesel_Gallons	0.2104	-0.5170	0.0330	-0.0330	-1.0799	2.1532
Total_Gallons_ST_Road_Tax	0.7785	0.8490	-1.0824	0.7584	0.8239	-9.6294
Registration_Fee	0.1511	0.4049	-2.0168	0.2498	-1.3248	0.0109
Driver_license_Fee	-0.2273	0.4778	0.3751	0.2995	-0.9242	-0.0894
Emission_inspection	-0.0328	-0.1860	-0.3676	1.2206	-0.1609	-0.0260
Overweight	0.1095	-0.5318	0.3652	0.1020	-0.1882	-0.0068
Title_fee	0.5881	-0.1279	2.0584	-1.0741	1.6848	0.0030

Standardized Canonical Coefficients for the WITH Variables						
	W1	W2	W3	W4	W5	W6
Quarterly_GDP_of_NC	0.6654	-0.4788	-1.8915	0.5524	-5.6725	0.0000
Labor_Force	0.6109	0.8535	1.6653	-4.8083	1.5909	0.0000
Employment	-0.4734	1.8491	-0.8545	4.2765	1.5688	0.0000
Unemployment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CPI_U	-0.1576	-1.8477	-0.8427	0.1325	3.5663	0.0000
Monthly_Retail_and_Food_Services	0.3866	-0.3878	2.0267	-0.0682	-0.9169	0.0000

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Canonical Structure

Correlations Between the VAR Variables and Their Canonical Variables						
	V1	V2	V3	V4	V5	V6
Gasoline_Gallons	0.4797	0.7058	-0.1087	0.1583	0.2823	0.2158
Diesel_Gallons	0.7646	0.3262	-0.1655	0.1004	0.0534	0.2268
Total_Gallons_ST_Road_Tax	0.5691	0.6549	-0.1330	0.1502	0.2511	0.1267
Registration_Fee	0.8978	0.1299	-0.0494	-0.0533	-0.2777	-0.0059
Driver_license_Fee	0.0512	0.6155	0.5502	0.1756	-0.5207	-0.0555
Emission_inspection	0.4279	-0.1900	0.1467	0.8323	0.0804	0.0219
Overweight	0.7854	-0.0670	0.2236	0.0359	-0.1799	0.0410
Title_fee	0.9040	0.0522	0.2995	0.0726	-0.1118	-0.0217

Correlations Between the WITH Variables and Their Canonical Variables						
	W1	W2	W3	W4	W5	W6
Quarterly_GDP_of_NC	0.9813	0.0120	-0.1807	0.0657	0.0044	0.0000
Labor_Force	0.9675	0.1957	-0.0925	-0.0414	0.1238	0.0000
Employment	0.9463	0.2225	-0.0715	0.1791	0.1335	0.0000
Unemployment	-0.8403	-0.2408	0.0371	-0.4648	-0.1359	0.0000
CPI_U	0.9478	-0.2020	-0.1336	0.0986	0.1824	0.0000
Monthly_Retail_and_Food_Services	0.9138	-0.1398	0.3151	0.2119	0.0346	0.0000

Correlations Between the VAR Variables and the Canonical Variables of the WITH Variables						
	W1	W2	W3	W4	W5	W6
Gasoline_Gallons	0.4504	0.5279	-0.0660	0.0792	0.0741	0.0000
Diesel_Gallons	0.7179	0.2440	-0.1005	0.0502	0.0140	0.0000
Total_Gallons_ST_Road_Tax	0.5343	0.4898	-0.0807	0.0751	0.0659	0.0000
Registration_Fee	0.8429	0.0971	-0.0300	-0.0267	-0.0729	0.0000
Driver_license_Fee	0.0480	0.4603	0.3340	0.0879	-0.1367	0.0000

Emission_inspection	0.4017	-0.1421	0.0891	0.4164	0.0211	0.0000
Overweight	0.7374	-0.0501	0.1357	0.0180	-0.0472	0.0000
Title_fee	0.8488	0.0390	0.1818	0.0363	-0.0293	0.0000

Correlations Between the WITH Variables and the Canonical Variables of the VAR Variables						
	V1	V2	V3	V4	V5	V6
Quarterly_GDP_of_NC	0.9213	0.0090	-0.1097	0.0329	0.0012	-0.0000
Labor_Force	0.9084	0.1463	-0.0562	-0.0207	0.0325	-0.0000
Employment	0.8885	0.1664	-0.0434	0.0896	0.0351	-0.0000
Unemployment	-0.7889	-0.1801	0.0225	-0.2325	-0.0357	0.0000
CPI_U	0.8899	-0.1511	-0.0811	0.0494	0.0479	-0.0000
Monthly_Retail_and_Food_Services	0.8580	-0.1045	0.1913	0.1060	0.0091	-0.0000

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Canonical Correlation Analysis

	Canonical Correlation	Adjusted Canonical Correlation	Approximate Standard Error	Squared Canonical Correlation	Eigenvalues of Inv(E)*H = CanRs/(1-CanRs)				Test of H0: The canonical correlations in the current row and all that follow are zero				
					Eigenvalue	Difference	Proportion	Cumulative	Likelihood Ratio	Approximate F Value	Num DF	Den DF	Pr > F
1	0.669122	0.623260	0.048438	0.447725	0.8107	0.3833	0.5510	0.5510	0.30995706	3.25	48	579.75	<.0001
2	0.547203	0.503120	0.061444	0.299431	0.4274	0.2829	0.2905	0.8416	0.56123652	2.10	35	498.81	0.0003
3	0.355322	0.277754	0.076633	0.126254	0.1445	0.0882	0.0982	0.9398	0.80111503	1.14	24	416.35	0.2972
4	0.230903	0.138503	0.083030	0.053316	0.0563	0.0369	0.0383	0.9781	0.91687364	0.71	15	331.67	0.7784
5	0.137980	.	0.086036	0.019038	0.0194	0.0066	0.0132	0.9913	0.96851092	0.49	8	242	0.8643
6	0.112660	.	0.086593	0.012692	0.0129		0.0087	1.0000	0.98730778	0.52	3	122	0.6674

Multivariate Statistics and F Approximations					
S=6 M=0.5 N=57.5					
Statistic	Value	F Value	Num DF	Den DF	Pr > F
Wilks' Lambda	0.30995706	3.25	48	579.75	<.0001
Pillai's Trace	0.95845600	2.90	48	732	<.0001
Hotelling-Lawley Trace	1.47118102	3.54	48	373.24	<.0001
Roy's Greatest Root	0.81069118	12.36	8	122	<.0001
NOTE: F Statistic for Roy's Greatest Root is an upper bound.					

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Canonical Correlation Analysis

Raw Canonical Coefficients for the VAR Variables						
	V1	V2	V3	V4	V5	V6
Gasoline_Gallons	1.4262526E-9	1.9320451E-8	-2.307497E-8	4.6982986E-8	-1.756597E-7	-1.486199E-7
Diesel_Gallons	-7.501752E-8	5.2853321E-8	-1.977369E-7	1.0452049E-8	-6.652903E-8	-1.515559E-7
Total_Gallons_ST_Road_Tax	2.8367392E-8	-2.592716E-8	5.7405031E-8	-2.636428E-8	1.6210342E-7	1.4462877E-7
Registration_Fee	-9.180213E-6	-9.934039E-6	4.0624507E-6	-4.742877E-6	-4.339025E-6	8.0026529E-6
Driver_license_Fee	-8.084021E-9	1.4685935E-7	1.2433225E-9	-6.238902E-7	2.553736E-7	-2.449189E-7
Emission_inspection	2.0914035E-7	-1.366766E-7	1.9505995E-8	-4.03981E-7	-4.588035E-7	4.5106189E-7
Overweight	7.2985569E-6	7.695734E-6	-9.032122E-6	-3.76886E-6	-1.770641E-7	6.0018933E-6
Title_fee	-7.321689E-8	6.0733861E-7	4.1206993E-7	6.7373506E-7	9.5436414E-8	-5.6408E-7

Raw Canonical Coefficients for the WITH Variables						
	W1	W2	W3	W4	W5	W6
Ave_Temperature_F	-0.419967275	-0.978679815	0.3008904669	0.1655540886	0.2261113255	-1.828867146
Ave_Snowfall	2.8464406406	-1.455941109	2.1673218065	12.87683728	-17.45741014	0.2621949872
Ave_heating_degree_day	-0.459199128	-1.062374486	0.4382455647	0.0763251008	0.3020271598	-1.823908641
Ave_Cooling_Degree_Day	0.5130945357	1.0777768391	-0.07370945	-0.291061474	-0.213115252	1.9297021894
Hurricane_times_occurred	-0.085870611	-0.37404557	0.6020587881	1.6929516772	1.4441203136	0.3847971036
Daily_Wind_Speed	-0.738406026	0.6284245443	0.4321913115	0.0282319375	-0.004631824	0.02507913

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Standardized Canonical Coefficients for the VAR Variables						
	V1	V2	V3	V4	V5	V6
Gasoline_Gallons	0.0493	0.6672	-0.7968	1.6224	-6.0657	-5.1320
Diesel_Gallons	-0.7019	0.4945	-1.8500	0.0978	-0.6224	-1.4179
Total_Gallons_ST_Road_Tax	1.2069	-1.1031	2.4423	-1.1217	6.8967	6.1533
Registration_Fee	-1.0022	-1.0845	0.4435	-0.5178	-0.4737	0.8737
Driver_license_Fee	-0.0123	0.2230	0.0019	-0.9475	0.3878	-0.3720
Emission_inspection	0.2996	-0.1958	0.0279	-0.5787	-0.6573	0.6462
Overweight	0.6496	0.6850	-0.8039	-0.3355	-0.0158	0.5342
Title_fee	-0.1500	1.2439	0.8440	1.3799	0.1955	-1.1553

Standardized Canonical Coefficients for the WITH Variables						
	W1	W2	W3	W4	W5	W6
Ave_Temperature_F	-5.9984	-13.9784	4.2976	2.3646	3.2295	-26.1216
Ave_Snowfall	0.1555	-0.0795	0.1184	0.7034	-0.9536	0.0143
Ave_heating_degree_day	-4.1904	-9.6946	3.9992	0.6965	2.7561	-16.6439
Ave_Cooling_Degree_Day	2.8519	5.9905	-0.4097	-1.6178	-1.1845	10.7256
Hurrican_times_occurred	-0.0381	-0.1661	0.2673	0.7518	0.6413	0.1709
Daily_Wind_Speed	-0.7260	0.6178	0.4249	0.0278	-0.0046	0.0247

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Correlations Between the VAR Variables and Their Canonical Variables						
	V1	V2	V3	V4	V5	V6
Gasoline_Gallons	0.5373	0.2782	0.2643	0.4165	0.1307	-0.0609
Diesel_Gallons	0.1484	0.4529	-0.0798	0.4821	0.1811	0.0851
Total_Gallons_ST_Road_Tax	0.4734	0.3166	0.2329	0.4365	0.2123	0.0303
Registration_Fee	-0.4029	0.6056	0.3167	0.2000	-0.0391	0.3130
Driver_license_Fee	0.0805	0.4587	0.4141	-0.5940	0.2214	-0.3654
Emission_inspection	0.1181	0.3781	0.2048	-0.1644	-0.5391	0.4152
Overweight	0.0369	0.8336	-0.0537	0.0922	-0.0375	0.3761
Title_fee	-0.2947	0.8016	0.3602	0.1763	-0.0918	0.2223

Correlations Between the WITH Variables and Their Canonical Variables						
	W1	W2	W3	W4	W5	W6
Ave_Temperature_F	0.5726	0.6389	0.0694	0.1332	0.1399	-0.4709
Ave_Snowfall	-0.1087	-0.3976	0.3481	0.3502	-0.7282	0.2367
Ave_heating_degree_day	-0.4700	-0.6821	0.1744	-0.2145	-0.1494	0.4637
Ave_Cooling_Degree_Day	0.6641	0.4962	0.4351	-0.0208	0.1005	-0.3359
Hurrican_times_occurred	0.1956	0.0430	0.2238	0.7341	0.5992	0.1095
Daily_Wind_Speed	-0.8204	0.5200	0.1922	0.0922	-0.0862	-0.0606

Correlations Between the VAR Variables and the Canonical Variables of the WITH Variables						
	W1	W2	W3	W4	W5	W6
Gasoline_Gallons	0.3595	0.1522	0.0939	0.0962	0.0180	-0.0069
Diesel_Gallons	0.0993	0.2478	-0.0283	0.1113	0.0250	0.0096
Total_Gallons_ST_Road_Tax	0.3168	0.1732	0.0828	0.1008	0.0293	0.0034
Registration_Fee	-0.2696	0.3314	0.1125	0.0462	-0.0054	0.0353
Driver_license_Fee	0.0539	0.2510	0.1471	-0.1372	0.0305	-0.0412

Emission_inspection	0.0790	0.2069	0.0728	-0.0380	-0.0744	0.0468
Overweight	0.0247	0.4562	-0.0191	0.0213	-0.0052	0.0424
Title_fee	-0.1972	0.4386	0.1280	0.0407	-0.0127	0.0250

Correlations Between the WITH Variables and the Canonical Variables of the VAR Variables						
	V1	V2	V3	V4	V5	V6
Ave_Temperature_F	0.3831	0.3496	0.0247	0.0308	0.0193	-0.0531
Ave_Snowfall	-0.0727	-0.2176	0.1237	0.0809	-0.1005	0.0267
Ave_heating_degree_day	-0.3145	-0.3733	0.0620	-0.0495	-0.0206	0.0522
Ave_Cooling_Degree_Day	0.4444	0.2715	0.1546	-0.0048	0.0139	-0.0378
Hurrican_times_occurred	0.1309	0.0235	0.0795	0.1695	0.0827	0.0123
Daily_Wind_Speed	-0.5490	0.2845	0.0683	0.0213	-0.0119	-0.0068

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Canonical Correlation Analysis

Note: The correlation matrix for the VAR Variables is less than full rank. Therefore, some canonical correlations and coefficients will be zero.

	Canonical Correlation	Adjusted Canonical Correlation	Approximate Standard Error	Squared Canonical Correlation	Eigenvalues of $\text{Inv}(E)^*H = \text{CanRsqr}/(1-\text{CanRsqr})$				Test of H0: The canonical correlations in the current row and all that follow are zero				
					Eigenvalue	Difference	Proportion	Cumulative	Likelihood Ratio	Approximate F Value	Num DF	Den DF	Pr > F
1	0.560034	0.512989	0.059968	0.313638	0.4570	0.3436	0.6469	0.6469	0.54058591	2.69	30	486	<.0001
2	0.319117	.	0.078473	0.101836	0.1134	0.0241	0.1605	0.8074	0.78761042	1.51	20	405.58	0.0725
3	0.286233	.	0.080212	0.081929	0.0892	0.0454	0.1263	0.9337	0.87691153	1.38	12	325.72	0.1729
4	0.204970	.	0.083700	0.042013	0.0439	0.0409	0.0621	0.9958	0.95516755	0.96	6	248	0.4537
5	0.054253	0.003902	0.087113	0.002943	0.0030		0.0042	1.0000	0.99705660	0.18	2	125	0.8317

Multivariate Statistics and F Approximations					
S=5 M=0 N=59.5					
Statistic	Value	F Value	Num DF	Den DF	Pr > F
Wilks' Lambda	0.54058591	2.69	30	486	<.0001
Pillai's Trace	0.54235910	2.53	30	625	<.0001
Hotelling-Lawley Trace	0.70638711	2.82	30	311.73	<.0001
Roy's Greatest Root	0.45695700	9.52	6	125	<.0001
NOTE: F Statistic for Roy's Greatest Root is an upper bound.					

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Raw Canonical Coefficients for the VAR Variables						
	V1	V2	V3	V4	V5	V6
Quarterly_GDP_of_NC	-9.687166E-6	0.0000303177	-0.000029613	0.0000440361	-0.00007865	0
Labor_Force	5.7116916E-6	-0.000012427	-0.000021219	9.6018701E-7	0.0000223701	0
Employment	-6.553513E-6	4.0211341E-6	0.0000168707	6.6359507E-7	1.1447532E-6	0
Unemployment	0	0	0	0	0	0
CPI_U	0.0017280833	0.0528081845	0.05957999	-0.32269963	0.1474593679	0
Monthly_Retail_and_Food_Services	0.0001220216	-0.000047647	-2.313489E-6	0.0000561782	-0.000024559	0

Raw Canonical Coefficients for the WITH Variables						
	W1	W2	W3	W4	W5	W6
Ave_Temperature_F	-0.617441088	-1.374994165	-1.450106783	-0.090466858	-0.29905323	-0.435160262
Ave_Snowfall	0.610916021	4.5304792184	1.4569095891	6.9440993804	-19.97349899	-4.356925489
Ave_heating_degree_day	-0.712424652	-1.403324523	-1.496683861	0.0007902577	-0.161100263	-0.48044297
Ave_Cooling_Degree_Day	0.7032556398	1.3972825585	1.5508432089	0.3011214461	0.4634918764	0.360603317
Hurrican_times_occurred	-0.356602387	0.2824432752	-1.085654857	0.9263855722	-0.020515765	1.8193053596
Daily_Wind_Speed	0.4541682673	0.6049865177	-0.589139672	0.0998643964	0.2976548474	-0.338471395

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The CANCORR Procedure

Canonical Correlation Analysis

Standardized Canonical Coefficients for the VAR Variables						
	V1	V2	V3	V4	V5	V6
Quarterly_GDP_of_NC	-0.5901	1.8470	-1.8040	2.6827	-4.7914	0.0000
Labor_Force	0.9248	-2.0122	-3.4357	0.1555	3.6221	0.0000
Employment	-1.7773	1.0905	4.5753	0.1800	0.3105	0.0000
Unemployment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CPI_U	0.0196	0.6002	0.6772	-3.6679	1.6761	0.0000
Monthly_Retail_and_Food_Services	1.9430	-0.7587	-0.0368	0.8945	-0.3911	0.0000

Standardized Canonical Coefficients for the WITH Variables						
	W1	W2	W3	W4	W5	W6
Ave_Temperature_F	-8.8391	-19.6840	-20.7593	-1.2951	-4.2812	-6.2296
Ave_Snowfall	0.0333	0.2466	0.0793	0.3780	-1.0873	-0.2372
Ave_heating_degree_day	-6.4979	-12.7995	-13.6510	0.0072	-1.4694	-4.3820
Ave_Cooling_Degree_Day	3.9351	7.8186	8.6779	1.6850	2.5935	2.0178
Hurrican_times_occurred	-0.1599	0.1266	-0.4868	0.4153	-0.0092	0.8157
Daily_Wind_Speed	0.4448	0.5926	-0.5770	0.0978	0.2915	-0.3315

The SAS System

The CANCORR Procedure

Canonical Structure

Correlations Between the VAR Variables and Their Canonical Variables						
	V1	V2	V3	V4	V5	V6
Quarterly_GDP_of_NC	0.2806	0.8737	-0.1282	0.2494	0.2815	0.0000
Labor_Force	0.2421	0.7566	-0.1327	0.3266	0.4947	0.0000
Employment	0.2392	0.7902	0.0798	0.3458	0.4387	0.0000
Unemployment	-0.2159	-0.7723	-0.3627	-0.3440	-0.3271	0.0000
CPI_U	0.3978	0.8609	-0.0716	-0.0017	0.3089	0.0000
Monthly_Retail_and_Food_Services	0.6994	0.6194	0.0979	0.2366	0.2482	0.0000

Correlations Between the WITH Variables and Their Canonical Variables						
	W1	W2	W3	W4	W5	W6
Ave_Temperature_F	0.8329	-0.4970	0.0212	0.1521	-0.0710	0.1748
Ave_Snowfall	-0.3996	0.3588	0.0337	0.4598	-0.6108	-0.3549
Ave_heating_degree_day	-0.8528	0.4143	0.0124	0.0828	0.1553	-0.2645
Ave_Cooling_Degree_Day	0.6847	-0.5010	0.1253	0.5061	0.0859	0.0300
Hurrican_times_occurred	0.1143	0.0112	-0.3258	0.4376	-0.0464	0.8289
Daily_Wind_Speed	0.3553	0.5850	-0.6254	-0.1235	0.1270	-0.3301

Correlations Between the VAR Variables and the Canonical Variables of the WITH Variables						
	W1	W2	W3	W4	W5	W6
Quarterly_GDP_of_NC	0.1571	0.2788	-0.0367	0.0511	0.0153	0.0000
Labor_Force	0.1356	0.2414	-0.0380	0.0670	0.0268	0.0000
Employment	0.1339	0.2522	0.0228	0.0709	0.0238	-0.0000
Unemployment	-0.1209	-0.2465	-0.1038	-0.0705	-0.0177	0.0000
CPI_U	0.2228	0.2747	-0.0205	-0.0003	0.0168	-0.0000
Monthly_Retail_and_Food_Services	0.3917	0.1977	0.0280	0.0485	0.0135	0.0000

Correlations Between the WITH Variables and the Canonical Variables of the VAR Variables

	V1	V2	V3	V4	V5	V6
Ave_Temperature_F	0.4665	-0.1586	0.0061	0.0312	-0.0039	0.0000
Ave_Snowfall	-0.2238	0.1145	0.0096	0.0943	-0.0331	0.0000
Ave_heating_degree_day	-0.4776	0.1322	0.0036	0.0170	0.0084	0.0000
Ave_Cooling_Degree_Day	0.3835	-0.1599	0.0359	0.1037	0.0047	0.0000
Hurrican_times_occurred	0.0640	0.0036	-0.0933	0.0897	-0.0025	0.0000
Daily_Wind_Speed	0.1990	0.1867	-0.1790	-0.0253	0.0069	0.0000