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The SAS System

The CORR Procedure

9 With Variables:	Gasoline_Gallons Diesel_Gallons Highway_Fuel_Use Total_Gallons_ST_Road_Tax Registration_Fee Driver_license_Fee Emission_inspection Overweight Title_fee	
9 Variables:	Gasoline_Gallons Diesel_Gallons Highway_Fuel_Use Total_Gallons_ST_Road_Tax Registration_Fee Driver_license_Fee Emission_inspection Overweight Title_fee	

Simple Statistics										
Variable	N Mear		Std Dev	Sum	Minimum	Maximum				
Gasoline_Gallons	132	376804938	34812610	4.97383E10	218414414	476873743				
Diesel_Gallons	132	80003756	9364708	1.05605E10	64939973	111638305				
Highway_Fuel_Use	132	6845055	4386030	903547252	-956520	16880944				
Total_Gallons_ST_Road_Tax	132	464435967	42808593	6.13055E10	293865160	593016240				
Registration_Fee	132	375309	113626	49540746	0	714008				
Driver_license_Fee	131	10041394	1518699	1315422653	4127130	13910272				
Emission_inspection	131	1517273	1432534	198762723	126438	13039969				
Overweight	131	521834	89007	68360300	319985	745824				
Title_fee	132	8165746	2051864	1077878435	4636369	13378093				

	Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations												
	Gasoline_Gallons	Diesel_Gallons	Highway_Fuel_Use	Total_Gallons_ST_Road_Tax	Registration_Fee	Driver_license_Fee	Emission_inspection	Overweight	Title_fee				
Gasoline_Gallons	1.00000 132	0.80794 <.0001 132	-0.03320 0.7055 132	0.98728 <.0001 132	0.30831 0.0003 132	0.24988 0.0040 131	0.13458 0.1254 131	0.38353 <.0001 131	0.34302 <.0001 132				
Diesel_Gallons	0.80794 <.0001 132	1.00000	-0.08437 0.3361 132	0.87062 <.0001 132	0.51741 <.0001 132	0.07926 0.3682 131	0.24248 0.0053 131	0.52939 <.0001 131	0.54191 <.0001 132				
Highway_Fuel_Use	-0.03320 0.7055 132	-0.08437 0.3361 132	1.00000	0.05348 0.5425 132	0.01713 0.8454 132	0.01357 0.8777 131	-0.03822 0.6647 131	-0.01587 0.8572 131	0.00336 0.9695 132				
Total_Gallons_ST_Road_Tax	0.98728 <.0001 132	0.87062 <.0001 132	0.05348 0.5425 132	1.00000	0.37281 <.0001 132	0.22197 0.0108 131	0.16052 0.0670 131	0.43039 <.0001 131	0.40391 <.0001 132				
Registration_Fee	0.30831 0.0003 132	0.51741 <.0001 132	0.01713 0.8454 132	0.37281 <.0001 132	1.00000 132	0.26580 0.0022 131	0.34118 <.0001 131	0.75917 <.0001 131	0.83154 <.0001 132				
Driver_license_Fee	0.24988 0.0040 131	0.07926 0.3682 131	0.01357 0.8777 131	0.22197 0.0108 131	0.26580 0.0022 131	1.00000	0.10464 0.2343 131	0.23712 0.0064 131	0.33842 <.0001 131				
Emission_inspection	0.13458 0.1254 131	0.24248 0.0053 131	-0.03822 0.6647 131	0.16052 0.0670 131	0.34118 <.0001 131	0.10464 0.2343 131	1.00000	0.32581 0.0001 131	0.53440 <.0001 131				
Overweight	0.38353	0.52939	-0.01587	0.43039	0.75917	0.23712	0.32581	1.00000	0.75565				

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	<.0001	<.0001	0.8572	<.0001	<.0001	0.0064	0.0001		<.0001
	131	131	131	131	131	131	131	131	131
Title_fee	0.34302	0.54191	0.00336	0.40391	0.83154	0.33842	0.53440	0.75565	1.00000
	<.0001	<.0001	0.9695	<.0001	<.0001	<.0001	<.0001	<.0001	
	132	132	132	132	132	131	131	131	132

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The SAS System

The CORR Procedure

6 With Variables: Quarterly_GDP_of_NC Labor_Force Employment Unemployment CPI_U Monthly_Retail_and_Food_Services
6 Variables: Quarterly_GDP_of_NC Labor_Force Employment Unemployment CPI_U Monthly_Retail_and_Food_Services

Simple Statistics									
Variable		Mean	Std Dev	Sum	Minimum	Maximum			
Quarterly_GDP_of_NC	132	493635	60921	65159802	409551	601788			
Labor_Force	132	4789807	161915	632254564	4548549	5114662			
Employment	132	4458659	271197	588542962	4049529	4932056			
Unemployment	132	331149	118863	43711602	182606	615512			
CPI_U	132	229.81942	11.36626	30336	208.81900	248.41200			
Monthly_Retail_and_Food_Services	132	84599	15923	11167021	49870	115297			

Pearson Correlation Coefficients, N = 132 Prob > r under H0: Rho=0										
	Quarterly_GDP_of_NC	Labor_Force	Employment	Unemployment	CPI_U	Monthly_Retail_and_Food_Services				
Quarterly_GDP_of_NC	1.00000	0.96667 <.0001	0.95703 <.0001	-0.86675 <.0001	0.95954 <.0001	0.85374 <.0001				
Labor_Force	0.96667 <.0001	1.00000	0.97511 <.0001	-0.86261 <.0001	0.90941 <.0001	0.82500 <.0001				
Employment	0.95703 <.0001	0.97511 <.0001	1.00000	-0.95330 <.0001	0.90467 <.0001	0.85523 <.0001				
Unemployment	-0.86675 <.0001	-0.86261 <.0001	-0.95330 <.0001	1.00000	-0.82530 <.0001	-0.82747 <.0001				
CPI_U	0.95954 <.0001	0.90941 <.0001	0.90467 <.0001	-0.82530 <.0001	1.00000	0.88073 <.0001				
Monthly_Retail_and_Food_Services	0.85374 <.0001	0.82500 <.0001	0.85523 <.0001	-0.82747 <.0001	0.88073 <.0001	1.00000				

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The SAS System

The CORR Procedure

7 With Variables: Ave_Temperature_F Ave_Precipitation Ave_Snowfall Ave_heating_degree_day Ave_Cooling_Degree_Day Hurrican_times_occurred Daily_Wind_Speed
7 Variables: Ave_Temperature_F Ave_Precipitation Ave_Snowfall Ave_heating_degree_day Ave_Cooling_Degree_Day Hurrican_times_occurred Daily_Wind_Speed

Simple Statistics									
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum			
Ave_Temperature_F	132	61.59394	14.31568	8130	34.80000	83.70000			
Ave_Precipitation	132	0.13220	0.06327	17.45000	0.02000	0.34000			
Ave_Snowfall	132	0.01932	0.05444	2.55000	0	0.30000			
Ave_heating_degree_day	132	8.47197	9.12081	1118	0	29.90000			
Ave_Cooling_Degree_Day	132	4.68561	5.59558	618.50000	0	16.80000			
Hurrican_times_occurred	132	0.16667	0.44835	22.00000	0	2.00000			
Daily_Wind_Speed	132	5.76591	0.97947	761.10000	4.00000	8.70000			

	Pearson Correlation Coefficients, N = 132 Prob > r under H0: Rho=0											
	Ave_Temperature_F	Ave_Precipitation	Ave_Snowfall	Ave_heating_degree_day	Ave_Cooling_Degree_Day	Hurrican_times_occurred	Daily_Wind_Speed					
Ave_Temperature_F	1.00000	0.26508 0.0021	-0.45923 <.0001	-0.96067 <.0001	0.89811 <.0001	0.29749 0.0005	-0.09353 0.2861					
Ave_Precipitation	0.26508 0.0021	1.00000	-0.02904 0.7410	-0.26968 0.0018	0.22290 0.0102	0.14037 0.1084	0.09668 0.2701					
Ave_Snowfall	-0.45923 <.0001	-0.02904 0.7410	1.00000	0.52696 <.0001	-0.27949 0.0012	-0.11728 0.1805	0.02962 0.7360					
Ave_heating_degree_day	-0.96067 <.0001	-0.26968 0.0018	0.52696 <.0001	1.00000	-0.74263 <.0001	-0.28707 0.0008	0.02833 0.7471					
Ave_Cooling_Degree_Day	0.89811 <.0001	0.22290 0.0102	-0.27949 0.0012	-0.74263 <.0001	1.00000	0.27420 0.0015	-0.18967 0.0294					
Hurrican_times_occurred	0.29749 0.0005	0.14037 0.1084	-0.11728 0.1805	-0.28707 0.0008	0.27420 0.0015	1.00000	-0.08257 0.3466					
Daily_Wind_Speed	-0.09353 0.2861	0.09668 0.2701	0.02962 0.7360		-0.18967 0.0294	-0.08257 0.3466	1.00000					