Monday, May 15, 2017 02:16:41 PM 1

# Correlation Between Crime Category (2015) and States' Economy Value By NAIC Value of sales, shipments, receipts, revenue, or business done (\$1,000)

19 With Variables:	COL1 COL10 COL18	COL2 COL11 COL19	COL3 COL12	COL4 COL13	COL5 COL14	COL6 COL15	COL7 COL16	COL8 COL17	COL9
8 Variables:	Aggravated	_Assault Arson	Burglary	Larceny_	Theft Motor	_Vehicle_Theft Mur	der Ra <sub>l</sub>	pe Rob	bbery

	Simple Statistics								
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label		
COL1	43	15690974	17093575	674711872	1873699	90830372	Accommodation and food services		
COL2	43	15116482	18906776	650008734	807158	88134862	Administrative and support and waste management an		
COL3	43	4510008	6834438	193930352	241751	39179497	Arts, entertainment, and recreation		
COL4	43	30262707	31764610	1301296387	4189936	148546029	Construction		
COL5	41	1172697	1588564	48080567	32593	7784661	Educational services		
COL6	0						Finance and insurance		
COL7	43	45069113	48116737	1937971859	5418355	248953592	Health care and social assistance		
COL8	0						Information		
COL9	35	2903466	4347638	101621305	115030	20971148	Management of companies and enterprises		
COL10	36	10468762	27248160	376875414	74203	162451051	Mining, quarrying, and oil and gas extraction		
COL11	43	9089596	10377161	390852646	904550	50439225	Other services (except public administration)		
COL12	41	32434184	45611321	1329801559	1315353	234371249	Professional, scientific, and technical services		
COL13	43	10816150	15182311	465094471	582825	78740158	Real estate and rental and leasing		
COL14	43	93527281	95211199	4021673068	10474275	481800461	Retail trade		
COL15	43	16223745	17924977	697621015	1153478	79793699	Transportation and warehousing (104)		
COL16	0						Utilities		
COL17	42	46368609	73420624	1947481559	2095418	384163888	Wholesale trade - Manufacturers' sales branches and offices		
COL18	43	116854809	149031222	5024756803	5216303	691242607	Wholesale trade - Merchant wholesalers, except manufacturers' sales		
COL19	42	179048016	233468123	7520016681	9614512	1129150714	Wholesale trade - Wholesale Trade		
Aggravated_Assault	43	3863	8893	166091	17.00000	44443			
Arson	43	5416	25151	232867	6.00000	160090			
Burglary	43	1064	3102	45734	0	14799			
Larceny_Theft	43	5398	10007	232120	29.00000	59390			
Motor_Vehicle_Theft	43	10949	22585	470821	22.00000	136884			
Murder	43	3839	8248	165060	0	41319			
Rape	43	1569	3759	67481	4.00000	22834			
Robbery	43	2716	4047	116772	124.00000	17008			

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## The CORR Procedure

# **Pearson Correlation Coefficients** Prob > |r| under H0: Rho=0

		Numb	er of Obse	rvations				
	Aggravated_Assault	Arson	Burglary	Larceny_Theft	Motor_Vehicle_Theft	Murder	Rape	Robbery
COL1 Accommodation and food services	0.66931 <.0001 43	0.67858 <.0001 43	0.46044 0.0019 43	0.38589 0.0106 43	0.44601 0.0027 43	0.80620 <.0001 43	0.75339 <.0001 43	0.54960 0.0001 43
<b>COL2</b> Administrative and support and waste management an	0.63051 <.0001 43	0.60202 <.0001 43	0.38285 0.0113 43	0.51515 0.0004 43	0.46079 0.0019 43	0.75359 <.0001 43	0.73568 <.0001 43	0.62384 <.0001 43
COL3 Arts, entertainment, and recreation	0.69576 <.0001 43	0.77558 <.0001 43	0.52821 0.0003 43	0.28465 0.0643 43	0.27803 0.0710 43	0.75153 <.0001 43	0.81392 <.0001 43	0.43136 0.0039 43
COL4 Construction	0.64041 <.0001 43	0.57668 <.0001 43	0.36847 0.0150 43	0.33933 0.0260 43	0.64494 <.0001 43	0.87156 <.0001 43	0.62600 <.0001 43	0.60324 <.0001 43
COL5 Educational services	0.65758 <.0001 41	0.66208 <.0001 41	0.42302 0.0059 41	0.27233 0.0850 41	0.41911 0.0064 41	0.75241 <.0001 41	0.68923 <.0001 41	0.52259 0.0005 41
COL6 Finance and insurance	0	0	0	0	0	0	0	0
COL7 Health care and social assistance	0.66342 <.0001 43	0.65152 <.0001 43	0.42248 0.0048 43	0.34775 0.0223 43	0.46446 0.0017 43	0.80097 <.0001 43	0.72467 <.0001 43	0.55989 <.0001 43
COL8 Information	0	0	0	0	0	0	0	0
COL9 Management of companies and enterprises	0.50623 0.0019 35	0.46547 0.0048 35	0.35946 0.0339 35	0.13650 0.4343 35	0.48788 0.0029 35	0.61165 <.0001 35	0.46090 0.0053 35	0.61386 <.0001 35
COL10 Mining, quarrying, and oil and gas extraction	0.19379 0.2574 36	0.07932 0.6456 36	0.04564 0.7916 36	0.18392 0.2829 36	0.83577 <.0001 36	0.63529 <.0001 36	0.04304 0.8032 36	0.48866 0.0025 36
COL11 Other services (except public administration)	0.68757 <.0001 43	0.60847 <.0001 43	0.38200 0.0115 43	0.26469 0.0863 43	0.49795 0.0007 43	0.78329 <.0001 43	0.65849 <.0001 43	0.55355 0.0001 43
COL12 Professional, scientific, and technical services	0.70975 <.0001 41	0.68762 <.0001 41	0.43462 0.0045 41	0.20315 0.2027 41	0.43295 0.0047 41	0.80743 <.0001 41	0.71061 <.0001 41	0.45000 0.0032 41
COL13 Real estate and rental and leasing	0.70015 <.0001 43	0.68797 <.0001 43	0.44788 0.0026 43	0.28125 0.0677 43	0.43662 0.0034 43	0.79079 <.0001 43	0.72890 <.0001 43	0.53323 0.0002 43
COL14 Retail trade	0.64874 <.0001 43	0.63207 <.0001 43	0.40347 0.0073 43	0.41443 0.0057 43	0.52894 0.0003 43	0.83635 <.0001 43	0.71846 <.0001 43	0.58568 <.0001 43
COL15 Transportation and warehousing (104)	0.64814 <.0001 43	0.54679 0.0001 43	0.35054 0.0212 43	0.44847 0.0026 43	0.61615 <.0001 43	0.83749 <.0001 43	0.65134 <.0001 43	0.63681 <.0001 43
COL16 Utilities	0	0	0	0	0	0	0	0

Monday, May 15, 2017 02:16:41 PM **3** 

# Correlation Between Crime Category (2015) and States' Economy Value By NAIC Value of sales, shipments, receipts, revenue, or business done (\$1,000)

Pearson Correlation Coefficients
Prob >  r  under H0: Rho=0
Number of Observations

	Prob >  r  under H0: Rho=0 Number of Observations								
	Aggravated_Assault	Arson	Burglary	Larceny_Theft	Motor_Vehicle_Theft	Murder	Rape	Robbery	
COL17 Wholesale trade - Manufacturers' sales branches and offices	0.61740 <.0001 42	0.37202 0.0153 42	0.20109 0.2016 42	0.21621 0.1691 42	0.67920 <.0001 42	0.80893 <.0001 42	0.44068 0.0035 42	0.48782 0.0010 42	
COL18 Wholesale trade - Merchant wholesalers, except manufacturers' sales	0.65775 <.0001 43	0.56440 <.0001 43	0.34336 0.0242 43	0.28780 0.0613 43	0.63753 <.0001 43	0.87789 <.0001 43	0.60929 <.0001 43	0.58307 <.0001 43	
COL19 Wholesale trade - Wholesale Trade	0.66206 <.0001 42	0.52460 0.0004 42	0.31017 0.0456 42	0.27309 0.0801 42	0.65815 <.0001 42	0.87667 <.0001 42	0.57839 <.0001 42	0.56627 <.0001 42	

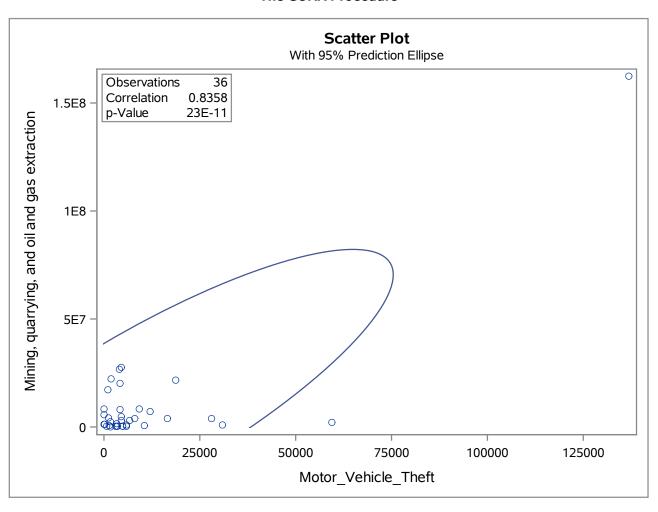
# Monday, May 15, 2017 02:16:41 PM **4 Correlation Between Motor Vehicle Theft and Mining, quarrying, and oil and gas extraction Industry**

1 With Variables:		COL10		
1	Variables:	Motor_Vehicle_Theft		

Simple Statistics								
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label	
COL10	36	10468762	27248160	376875414	74203	162451051	Mining, quarrying, and oil and gas extraction	
Motor_Vehicle_Theft	43	10949	22585	470821	22.00000	136884		

Pearson Correlation Coefficients Prob >  r  under H0: Rho=0 Number of Observations					
	Motor_Vehicle_Theft				
COL10 Mining, quarrying, and oil and gas extraction	0.83577 <.0001 36				

# Correlation Between Motor Vehicle Theft and Mining, quarrying, and oil and gas extraction Industry



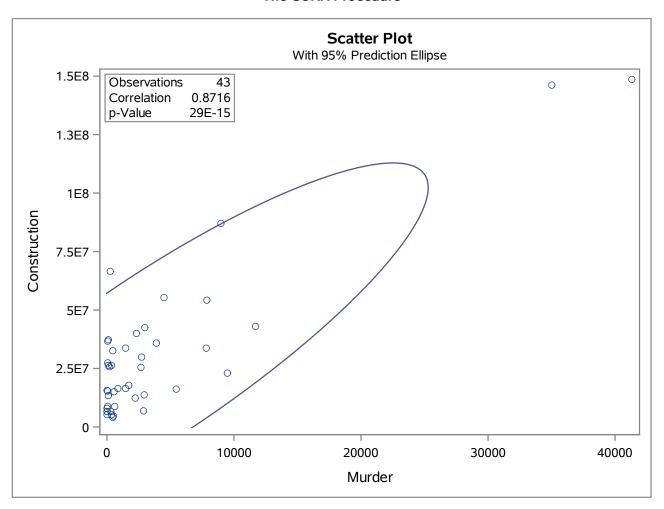
# Monday, May 15, 2017 02:16:41 PM 6 Correlation Between Murder and Construction, Retail Trade & Transportation and warehousing Industry

1١	With Variables:	COL4
1	Variables:	Murder

Simple Statistics								
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label	
COL4	43	30262707	31764610	1301296387	4189936	148546029	Construction	
Murder	43	3839	8248	165060	0	41319		

Pearson Correlation Coefficients, N = 43 Prob >  r  under H0: Rho=0					
	Murder				
COL4 Construction	0.87156 <.0001				

# Correlation Between Murder and Construction, Retail Trade & Transportation and warehousing Industry



# Monday, May 15, 2017 02:16:41 PM **8 Correlation Between Rape and Arts, entertainment, and recreation Industry**

1١	With Variables:	COL3
1	Variables:	Rape

Simple Statistics								
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label	
COL3	43	4510008	6834438	193930352	241751	39179497	Arts, entertainment, and recreation	
Rape	43	1569	3759	67481	4.00000	22834		

Pearson Correlation Coefficients, N = 43 Prob >  r  under H0: Rho=0					
	Rape				
COL3 Arts, entertainment, and recreation	0.81392 <.0001				

