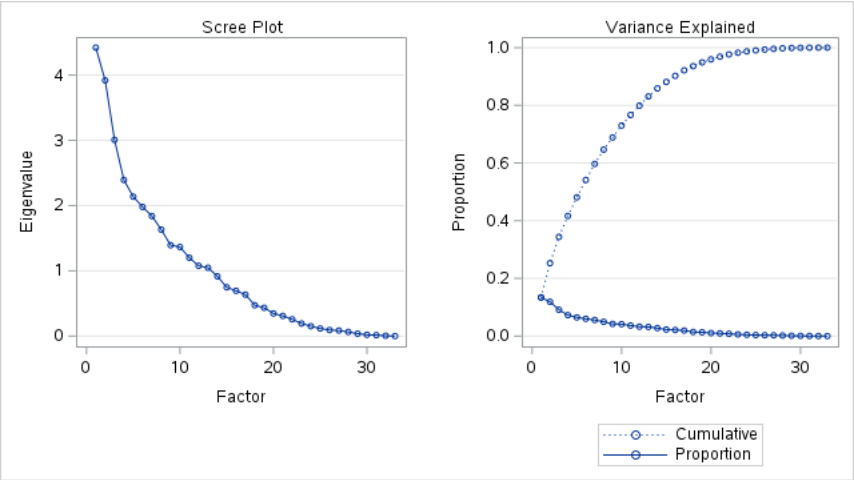
Input Data Type	Raw Data
Number of Records Read	185
Number of Records Used	42
N for Significance Tests	42

Initial Factor Method: Principal Components

Prior Communality Estimates: ONE

Eigenvalues of the Correlation Matrix: Total = 33 Average = 1				
	Eigenvalue	**Difference**	**Proportion**	**Cumulative**
1	4.42121835	0.50157613	0.1340	0.1340
2	3.91964221	0.91217017	0.1188	0.2528
3	3.00747204	0.61416014	0.0911	0.3439
4	2.39331190	0.25685326	0.0725	0.4164
5	2.13645864	0.15714780	0.0647	0.4812
6	1.97931084	0.14000447	0.0600	0.5411
7	1.83930638	0.20749842	0.0557	0.5969
8	1.63180795	0.23853425	0.0494	0.6463
9	1.39327370	0.02762475	0.0422	0.6885
10	1.36564895	0.16496997	0.0414	0.7299
11	1.20067899	0.12419305	0.0364	0.7663
12	1.07648594	0.02848901	0.0326	0.7989
13	1.04799693	0.13204185	0.0318	0.8307
14	0.91595507	0.16895526	0.0278	0.8584
15	0.74699982	0.05315720	0.0226	0.8811
16	0.69384262	0.05902294	0.0210	0.9021
17	0.63481967	0.16198319	0.0192	0.9213
18	0.47283648	0.03931172	0.0143	0.9357
19	0.43352476	0.08647104	0.0131	0.9488
20	0.34705372	0.03792860	0.0105	0.9593
21	0.30912512	0.05220307	0.0094	0.9687
22	0.25692205	0.06471101	0.0078	0.9765
23	0.19221105	0.04110054	0.0058	0.9823
24	0.15111050	0.03552085	0.0046	0.9869
25	0.11558966	0.02297212	0.0035	0.9904
26	0.09261753	0.00745297	0.0028	0.9932
27	0.08516456	0.02134064	0.0026	0.9958
28	0.06382392	0.02738754	0.0019	0.9977
29	0.03643638	0.01608793	0.0011	0.9988
30	0.02034845	0.00632392	0.0006	0.9994
31	0.01402453	0.00910131	0.0004	0.9998
32	0.00492322	0.00486518	0.0001	1.0000
33	0.00005804		0.0000	1.0000

33 factors will be retained by the NFACTOR criterion.



Factor Pattern

		Factor1	**Factor2**	**Factor3**	**Factor4**	**Factor5**	**Factor6**	**Factor7**	**Factor8**	**Factor9**	**Factor10**	**Factor11**	**Factor12**	**Factor13**	**Factor14**	**Factor15**	**Factor16**
Case #	Case #	0.87414	-0.06826	-0.06220	0.29357	0.00101	-0.08982	0.08787	0.07908	0.18625	0.01464	-0.08980	-0.05229	0.00699	0.07096	0.10160	-0.17392
Full Date	Full Date	0.90310	-0.08411	-0.10356	0.29275	-0.03190	-0.12803	0.02110	0.00561	0.13151	0.09400	-0.06296	0.02158	0.03902	0.01274	0.02201	-0.13060
Year	Year	0.90421	-0.09246	-0.10385	0.29103	-0.03417	-0.13387	0.01311	0.00043	0.12991	0.08854	-0.05729	0.01910	0.03651	0.00427	0.01555	-0.13177
Zip Code	Zip Code	0.28694	0.14962	0.07822	0.20736	0.10701	-0.37060	0.36319	-0.56400	-0.19591	-0.09947	0.01961	0.04736	0.25689	-0.16700	0.12949	0.16861
State Code	State Code	0.00013	-0.12069	-0.09020	-0.40519	-0.60049	0.29669	0.21385	-0.04332	0.03817	0.03023	0.14673	-0.12500	0.25713	0.00878	0.37130	-0.09611
Region	Region	0.00354	0.62085	-0.08143	0.12934	0.40127	-0.10735	0.21844	-0.25792	-0.31364	0.02144	0.17057	-0.08098	0.15564	0.20007	-0.01825	0.02408
Urban/Suburban/Rural	Urban/Suburban/Rural	-0.13347	0.36387	-0.31529	-0.56701	0.05178	-0.26870	-0.06861	0.20226	-0.05609	0.05257	0.31784	0.17170	0.10795	0.20864	0.13642	-0.08528
Location	Location	-0.38310	0.14023	0.62879	0.26930	-0.28168	-0.09679	-0.01482	0.00303	0.24801	-0.14710	0.02369	-0.22933	0.07936	0.16837	-0.11301	0.05128

Factor Pattern

		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7	Factor8	Factor9	Factor10	Factor11	Factor12	Factor13	Factor14	Factor15	Factor16
Insider or Outsider	Insider or Outsider	-0.50674	0.38024	-0.12721	-0.02135	-0.04820	-0.18111	0.17162	-0.02305	0.08409	0.16851	-0.41473	0.25260	0.14576	-0.25941	0.02181	-0.19435
Workplace Shooting	Workplace Shooting	-0.73965	0.16818	0.25875	0.26666	-0.16258	-0.09331	0.01239	-0.00011	0.11413	0.16757	-0.29498	0.07317	0.14182	-0.03679	0.01755	-0.00156
Multiple Locations	Multiple Locations	-0.16103	-0.01023	0.00571	0.21258	0.42390	-0.13016	-0.02484	0.31361	0.52896	0.23236	0.19028	0.19911	-0.17619	-0.00186	0.26160	0.17125
Number Killed	Number Killed	0.41789	0.38985	0.37361	-0.18977	0.11071	0.32498	-0.27944	0.14189	0.04958	-0.01810	0.03582	0.15209	0.17846	-0.17973	-0.13893	0.15874
Number Injured	Number Injured	0.40786	0.37454	0.67533	-0.17793	0.05058	0.27908	-0.14599	-0.10512	-0.05543	-0.02573	-0.10884	-0.00020	0.09204	0.03986	0.12055	0.16702
Family Member Victim	Family Member Victim	0.15549	-0.20572	-0.20839	-0.19288	0.36062	0.28654	0.26630	-0.11941	0.36912	0.24575	-0.12385	-0.20988	0.20193	0.00698	-0.24523	0.07699
Romantic Partner Victim	Romantic Partner Victim	-0.37701	-0.30838	0.16200	-0.20550	0.45987	0.33838	0.15108	-0.23746	0.10692	-0.08510	0.06635	-0.26226	-0.10276	-0.12093	0.01751	-0.12818
Kidnapping or Hostage Situation	Kidnapping or Hostage Situation	0.05319	-0.41853	0.00073	-0.09588	0.41614	0.14453	-0.33532	-0.14146	0.02214	-0.20341	0.18972	0.45451	0.15103	0.15503	-0.19426	-0.10343
Age	Age	-0.13346	0.25200	0.64206	0.20105	-0.23454	0.00619	-0.16448	-0.06559	0.06547	0.17261	0.04091	0.26337	-0.02153	0.21160	-0.00785	-0.37465
Gender	Gender	-0.16506	0.25733	0.01716	0.13897	0.01857	-0.43515	-0.33103	-0.34014	0.43840	0.14286	0.20270	-0.25601	0.16102	0.08806	-0.10742	0.07699
Race	Race	-0.06451	0.03665	-0.23658	0.44038	-0.19565	0.44233	0.10361	-0.07856	0.05733	-0.10920	0.21074	0.33503	0.32481	-0.33197	-0.03826	0.01563
Religion	Religion	-0.13911	0.08305	-0.27553	0.44516	-0.31046	0.49307	0.10104	-0.04389	0.11777	0.20809	0.03423	0.14180	-0.12384	0.14556	-0.04939	0.30591
Criminal Record	Criminal Record	-0.05191	-0.41340	0.05191	0.31076	-0.12973	0.16164	-0.01900	0.10452	-0.44550	0.42744	0.24672	-0.04135	0.06239	0.20180	-0.19871	-0.03040
Mental Illness	Mental Illness	-0.04080	0.04173	-0.00542	0.11708	0.08417	-0.26048	-0.47317	0.52203	-0.08734	-0.05675	0.16849	-0.17472	0.34941	-0.36040	0.00449	0.04590
Firearm Proficiency	Firearm Proficiency	0.07037	0.43680	-0.18271	0.13491	0.12038	0.29991	0.20681	0.60251	-0.02421	-0.06481	-0.16330	-0.23424	0.06678	0.11774	0.01975	-0.01970
Total Firearms Brought to the Sc	Total Firearms Brought to the Scene	0.41837	0.51214	0.58530	-0.22658	0.07698	0.22110	-0.02660	0.02166	-0.04245	0.03658	-0.11599	0.04138	0.03346	0.11038	0.11518	0.11384
Attempt to Flee	Attempt to Flee	-0.10451	-0.54967	0.17153	0.10998	0.18579	-0.08060	-0.07294	-0.02610	-0.17520	0.49450	0.06202	0.05237	0.07935	0.03257	0.37336	0.19762
Criminal Sentence	Criminal Sentence	-0.01166	-0.39652	-0.09640	0.21570	0.06842	-0.09640	-0.48243	-0.06226	-0.31191	-0.16922	-0.48494	0.01302	-0.11525	0.02020	0.08527	0.14208
Total Population	Total Population	0.13293	0.45774	0.18544	-0.00901	0.10266	0.10525	-0.01808	-0.14788	-0.08194	0.26273	0.23799	-0.00268	-0.53985	-0.43610	0.01664	-0.11518
Nearest Hospital (Miles)	Nearest Hospital (Miles)	0.11050	0.17625	-0.41595	-0.55016	-0.01216	-0.01636	-0.16486	-0.12479	0.12946	0.32453	-0.34188	0.21969	0.03510	0.10034	-0.07446	0.08267
N Mental Health Providers in Zip	N Mental Health Providers in Zip Code	-0.10436	-0.08661	0.36984	0.03304	0.44524	-0.08786	0.38888	0.26364	-0.22545	0.36249	-0.13922	0.01216	0.18565	-0.05018	-0.13511	-0.12042
N Gun Stores in Zip Code	N Gun Stores in Zip Code	-0.05620	0.33196	0.01845	0.14512	0.08269	-0.30589	0.51290	0.24811	-0.02617	-0.33641	0.05889	0.28675	-0.17445	0.13167	-0.05652	0.18593
Homicide Rate	Homicide Rate	-0.24424	-0.51853	0.25498	0.15453	0.40119	0.22546	0.09523	-0.00347	0.17667	-0.32151	-0.07564	0.08255	0.09414	0.08421	0.26000	-0.13333
Gun Ownership Rate	Gun Ownership Rate	0.17344	-0.56336	0.31988	-0.38499	-0.28882	-0.26226	0.34688	0.12135	0.07510	0.00209	0.09697	0.11611	0.07479	-0.06818	-0.09597	0.10741
Annual Gun Death Ranking	Annual Gun Death Ranking	-0.19853	0.61600	-0.49421	0.24180	0.21804	0.22363	-0.17415	-0.12070	-0.07745	-0.01673	0.02143	-0.07185	0.11638	0.12538	0.17018	-0.11641

Variance Explained by Each Factor

Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7	Factor8	Factor9	Factor10	Factor11	Factor12	Factor13	Factor14	Factor15	Factor16	Factor17	Factor18
4.4212183	3.9196422	3.0074720	2.3933119	2.1364586	1.9793108	1.8393064	1.6318080	1.3932737	1.3656490	1.2006790	1.0764859	1.0479969	0.9159551	0.7469998	0.6938426	0.6348197	0.4728365

Final Communality Estimates: Total

Case #	Full Date	Year	Zip Code	State Code	Region	Urban/Suburban/Rural	Location	Insider or Outsider	Workplace Shooting	Multiple Locations	Number Killed	Number Injured	Family Member Victim	Romantic Partner Victim	Kidnapping or Hostage Situation	Age
1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000