Obs	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12	X13	X14	X15
1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	0	7129300520	.	221900	3	1.00	1180	5650	1.0	0	3	7	1180	98178	47.5112
3	1	6414100192	.	538000	3	2.25	2570	7242	2.0	0	3	7	2170	98125	47.7210
4	2	5631500400	.	180000	2	1.00	770	10000	1.0	0	3	6	770	98028	47.7379
5	3	2487200875	.	604000	4	3.00	1960	5000	1.0	0	5	7	1050	98136	47.5208
6	4	1954400510	.	510000	3	2.00	1680	8080	1.0	0	3	8	1680	98074	47.6168
7	5	7237550310	.	1225000	4	4.50	5420	101930	1.0	0	3	11	3890	98053	47.6561
8	6	1321400060	.	257500	3	2.25	1715	6819	2.0	0	3	7	1715	98003	47.3097
9	7	2008000270	.	291850	3	1.50	1060	9711	1.0	0	3	7	1060	98198	47.4095
10	8	2414600126	.	229500	3	1.00	1780	7470	1.0	0	3	7	1050	98146	47.5123
11	9	3793500160	.	323000	3	2.50	1890	6560	2.0	0	3	7	1890	98038	47.3684
12	10	1736800520	.	662500	3	2.50	3560	9796	1.0	0	3	8	1860	98007	47.6007
13	11	9212900260	.	468000	2	1.00	1160	6000	1.0	0	4	7	860	98115	47.6900
14	12	114101516	.	310000	3	1.00	1430	19901	1.5	0	4	7	1430	98028	47.7558
15	13	6054650070	.	400000	3	1.75	1370	9680	1.0	0	4	7	1370	98074	47.6127
16	14	1175000570	.	530000	5	2.00	1810	4850	1.5	0	3	7	1810	98107	47.6700
17	15	9297300055	.	650000	4	3.00	2950	5000	2.0	3	3	9	1980	98126	47.5714
18	16	1875500060	.	395000	3	2.00	1890	14040	2.0	0	3	7	1890	98019	47.7277

Obs	X16	X17	X18	X19	X20	X21	X22
1	.	.	.	.	.	.	.
2	-122.257	1340	5650	60	0	0	0
3	-122.319	1690	7639	64	1	1	0
4	-122.233	2720	8062	82	0	0	0
5	-122.393	1360	5000	50	1	0	0
6	-122.045	1800	7503	28	0	0	0
7	-122.005	4760	101930	14	1	0	0
8	-122.327	2238	6819	20	0	0	0
9	-122.315	1650	9711	52	0	0	0
10	-122.337	1780	8113	55	1	0	0
11	-122.031	2390	7570	12	0	0	0
12	-122.145	2210	8925	50	1	0	0
13	-122.292	1330	6000	73	1	0	0
14	-122.229	1780	12697	88	0	0	0
15	-122.045	1370	10208	38	0	0	0
16	-122.394	1360	4850	115	0	0	0
17	-122.375	2140	4000	36	1	0	0
18	-121.962	1890	14018	21	0	0	0

Obs	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12	X13	X14	X15
19	17	6865200140	.	485000	4	1.00	1600	4300	1.5	0	4	7	1600	98103	47.6648
20	18	16000397	.	189000	2	1.00	1200	9850	1.0	0	4	7	1200	98002	47.3089

Obs	X16	X17	X18	X19	X20	X21	X22
19	-122.343	1610	4300	99	0	0	0
20	-122.210	1060	5095	94	0	0	0

The PRINCOMP Procedure

Observations	21613
Variables	18

Simple Statistics									
	X5	**X6**	**X7**	**X8**	**X9**	**X10**	**X11**	**X12**	**X13**
Mean	3.370841623	2.114757322	2079.899736	15106.96757	1.494308981	0.2343034285	3.409429510	7.656873178	1788.390691
StD	0.930061831	0.770163157	918.440897	41420.51152	0.539988895	0.7663175693	0.650743046	1.175458757	828.090978

Simple Statistics									
	X14	**X15**	**X16**	**X17**	**X18**	**X19**	**X20**	**X21**	**X22**
Mean	98077.93980	47.56005252	-122.2138964	1986.552492	12768.45565	43.99486420	0.3926803313	0.0422893629	0.0075417573
StD	53.50503	0.13856371	0.1408283	685.391304	27304.17963	29.37341080	0.4883579870	0.2012531905	0.0865171977

The PRINCOMP Procedure

Correlation Matrix											
		X5	**X6**	**X7**	**X8**	**X9**	**X10**	**X11**	**X12**	**X13**	**X14**
X5	X5 - bedrooms	1.0000	0.5159	0.5767	0.0317	0.1754	0.0795	0.0285	0.3570	0.4776	-.1527
X6	X6 - bathrooms	0.5159	1.0000	0.7547	0.0877	0.5007	0.1877	-.1250	0.6650	0.6853	-.2039
X7	X7- sqft_living	0.5767	0.7547	1.0000	0.1728	0.3539	0.2846	-.0588	0.7627	0.8766	-.1994
X8	X8 - sqft_lot	0.0317	0.0877	0.1728	1.0000	-.0052	0.0747	-.0090	0.1136	0.1835	-.1296
X9	X9 - floors	0.1754	0.5007	0.3539	-.0052	1.0000	0.0294	-.2638	0.4582	0.5239	-.0591
X10	X10 - view	0.0795	0.1877	0.2846	0.0747	0.0294	1.0000	0.0460	0.2513	0.1676	0.0848
X11	X11 - condition	0.0285	-.1250	-.0588	-.0090	-.2638	0.0460	1.0000	-.1447	-.1582	0.0030
X12	X12 - grade	0.3570	0.6650	0.7627	0.1136	0.4582	0.2513	-.1447	1.0000	0.7559	-.1849
X13	X13 - sqft_above	0.4776	0.6853	0.8766	0.1835	0.5239	0.1676	-.1582	0.7559	1.0000	-.2612
X14	X14 - zipcode	-.1527	-.2039	-.1994	-.1296	-.0591	0.0848	0.0030	-.1849	-.2612	1.0000
X15	X15 - lat	-.0089	0.0246	0.0525	-.0857	0.0496	0.0062	-.0149	0.1141	-.0008	0.2670
X16	X16 - long	0.1295	0.2230	0.2402	0.2295	0.1254	-.0784	-.1065	0.1984	0.3438	-.5641
X17	X17 - sqft_living15	0.3916	0.5686	0.7564	0.1446	0.2799	0.2804	-.0928	0.7132	0.7319	-.2790
X18	X18 - sqft_lot15	0.0292	0.0872	0.1833	0.7186	-.0113	0.0726	-.0034	0.1192	0.1940	-.1472
X19	X19 - age_of_house	-.1542	-.5060	-.3180	-.0531	-.4893	0.0534	0.3614	-.4470	-.4239	0.3469
X20	X20 - basement_present	0.1635	0.1635	0.2045	-.0353	-.2566	0.1818	0.1356	0.0518	-.2110	0.1630
X21	X21 - renovated	0.0186	0.0503	0.0551	0.0077	0.0063	0.1041	-.0601	0.0140	0.0232	0.0643
X22	X22 - waterfront_present	-.0066	0.0637	0.1038	0.0216	0.0237	0.4019	0.0167	0.0828	0.0721	0.0303

The PRINCOMP Procedure

Correlation Matrix								
	X15	X16	X17	X18	X19	X20	X21	X22
X5	-.0089	0.1295	0.3916	0.0292	-.1542	0.1635	0.0186	-.0066
X6	0.0246	0.2230	0.5686	0.0872	-.5060	0.1635	0.0503	0.0637
X7	0.0525	0.2402	0.7564	0.1833	-.3180	0.2045	0.0551	0.1038
X8	-.0857	0.2295	0.1446	0.7186	-.0531	-.0353	0.0077	0.0216
X9	0.0496	0.1254	0.2799	-.0113	-.4893	-.2566	0.0063	0.0237
X10	0.0062	-.0784	0.2804	0.0726	0.0534	0.1818	0.1041	0.4019
X11	-.0149	-.1065	-.0928	-.0034	0.3614	0.1356	-.0601	0.0167
X12	0.1141	0.1984	0.7132	0.1192	-.4470	0.0518	0.0140	0.0828
X13	-.0008	0.3438	0.7319	0.1940	-.4239	-.2110	0.0232	0.0721
X14	0.2670	-.5641	-.2790	-.1472	0.3469	0.1630	0.0643	0.0303
X15	1.0000	-.1355	0.0489	-.0864	0.1481	0.1385	0.0293	-.0143
X16	-.1355	1.0000	0.3346	0.2545	-.4094	-.2372	-.0684	-.0419
X17	0.0489	0.3346	1.0000	0.1832	-.3262	0.0438	-.0028	0.0865
X18	-.0864	0.2545	0.1832	1.0000	-.0710	-.0407	0.0079	0.0307
X19	0.1481	-.4094	-.3262	-.0710	1.0000	0.1679	0.2252	0.0262
X20	0.1385	-.2372	0.0438	-.0407	0.1679	1.0000	0.0490	0.0372
X21	0.0293	-.0684	-.0028	0.0079	0.2252	0.0490	1.0000	0.0933
X22	-.0143	-.0419	0.0865	0.0307	0.0262	0.0372	0.0933	1.0000

Eigenvalues of the Correlation Matrix				
	Eigenvalue	Difference	Proportion	Cumulative
1	5.20074642	3.04506942	0.2889	0.2889
2	2.15567700	0.34723517	0.1198	0.4087
3	1.80844183	0.47984059	0.1005	0.5092
4	1.32860124	0.11598171	0.0738	0.5830
5	1.21261953	0.20415307	0.0674	0.6503
6	1.00846646	0.09380233	0.0560	0.7064
7	0.91466413	0.05895875	0.0508	0.7572
8	0.85570538	0.19577906	0.0475	0.8047
9	0.65992632	0.02770928	0.0367	0.8414
10	0.63221705	0.13049476	0.0351	0.8765
11	0.50172229	0.09818466	0.0279	0.9044
12	0.40353763	0.07187108	0.0224	0.9268
13	0.33166655	0.04510747	0.0184	0.9452
14	0.28655907	0.02513865	0.0159	0.9611
15	0.26142042	0.03574195	0.0145	0.9757

The PRINCOMP Procedure

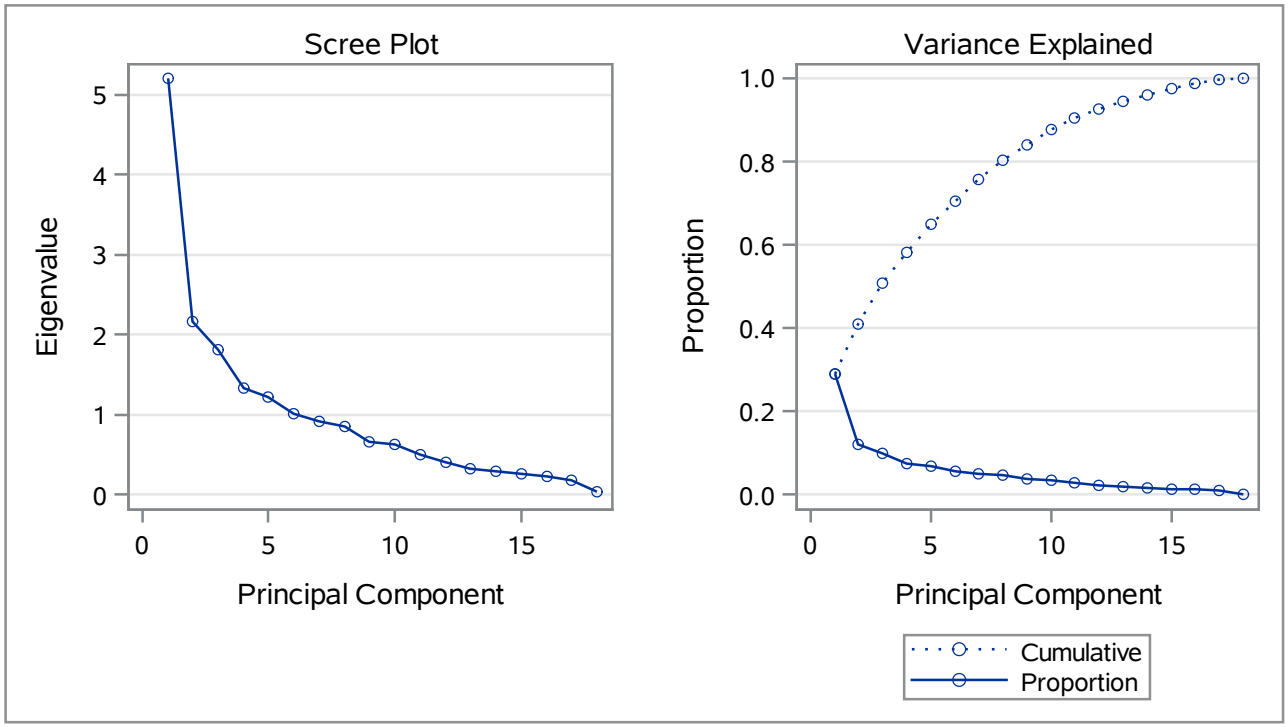
Eigenvalues of the Correlation Matrix				
	Eigenvalue	Difference	Proportion	Cumulative
16	0.22567848	0.04301689	0.0125	0.9882
17	0.18266159	0.15297299	0.0101	0.9984
18	0.02968860		0.0016	1.0000

The PRINCOMP Procedure

Eigenvectors										
		Prin1	Prin2	Prin3	Prin4	Prin5	Prin6	Prin7	Prin8	Prin9
X5	X5 - bedrooms	0.241769	0.163097	0.002860	-.365414	0.033861	0.161714	-.094985	-.245252	0.349159
X6	X6 - bathrooms	0.361990	0.127631	-.088501	-.073099	0.039144	0.007763	-.182642	-.092237	0.218341
X7	X7- sqft_living	0.389462	0.197190	0.070234	-.118669	0.043930	0.036819	0.012042	-.033253	-.085636
X8	X8 - sqft_lot	0.105553	-.202400	0.542417	0.177037	0.306789	-.066221	-.072215	-.113736	0.092936
X9	X9 - floors	0.244944	-.054012	-.324223	0.316713	0.102558	-.004335	0.084977	-.291197	0.268370
X10	X10 - view	0.106543	0.326940	0.239724	0.271807	-.376302	-.187396	-.013377	0.046295	-.320070
X11	X11 - condition	-.092269	0.144225	0.254767	-.429823	-.145608	-.059027	0.528223	-.290193	0.191447
X12	X12 - grade	0.367508	0.132084	-.056805	0.047461	0.060927	-.067869	0.080801	0.052555	-.208114
X13	X13 - sqft_above	0.397864	0.010245	-.033527	0.044119	0.034851	0.092630	0.229153	-.136161	-.119675
X14	X14 - zipcode	-.166285	0.366956	-.078687	0.289985	0.332107	-.132856	-.010341	-.287758	-.081565
X15	X15 - lat	-.007206	0.272690	-.107449	0.096758	0.461522	-.100828	0.403098	0.592042	0.291983
X16	X16 - long	0.195582	-.401266	0.095783	-.131239	-.150137	0.089890	0.097619	0.417413	0.109147
X17	X17 - sqft_living15	0.354931	0.089184	0.071111	-.069221	-.036500	-.016737	0.151174	0.175729	-.366342
X18	X18 - sqft_lot15	0.112453	-.210735	0.546166	0.168518	0.288338	-.066701	-.052735	-.076426	0.072811
X19	X19 - age_of_house	-.260420	0.277364	0.254994	-.079696	0.052962	0.257819	0.287057	-.046680	-.145387
X20	X20 - basement_present	-.012348	0.398413	0.162249	-.319710	0.091608	-.160295	-.556702	0.244350	0.103046
X21	X21 - renovated	-.000486	0.176185	0.099572	0.232040	-.028946	0.870753	-.113864	0.101204	0.050942
X22	X22 - waterfront_present	0.043818	0.200005	0.172158	0.382486	-.529789	-.158867	0.061304	0.091911	0.517700

The PRINCOMP Procedure

Eigenvectors									
	Prin10	Prin11	Prin12	Prin13	Prin14	Prin15	Prin16	Prin17	Prin18
X5	-.562393	0.333090	-.088054	-.136995	0.134165	0.283756	0.073977	0.068893	0.023187
X6	0.208476	0.056772	0.068806	-.118150	-.191978	-.527738	-.339806	0.501109	0.032352
X7	-.068659	-.144438	0.063203	0.119795	-.123810	-.248117	0.121387	-.422827	-.681337
X8	0.015105	0.030384	-.104522	0.014337	-.600933	0.312202	-.160941	-.016153	-.002647
X9	0.322723	0.216657	-.113595	0.555066	0.173646	0.223169	-.012206	-.036986	-.059281
X10	0.064989	0.666175	-.086873	-.067674	-.015090	-.058012	0.044303	-.048163	0.030157
X11	0.480532	0.011994	0.145965	-.159316	0.035649	0.097263	-.028705	-.083098	0.016102
X12	0.171737	-.242404	-.106754	-.193611	-.046432	0.289906	0.600030	0.444354	-.016397
X13	-.143053	-.137020	0.041192	0.063107	-.132846	-.249031	0.115439	-.377599	0.680346
X14	-.137503	-.004783	0.703065	-.083095	0.005019	0.087274	0.000103	0.045812	-.004746
X15	-.021660	0.166259	-.158061	-.134411	-.008926	-.050263	-.048525	-.084321	0.004964
X16	-.023183	0.255052	0.607409	0.242263	-.065940	0.033500	0.184368	0.123758	-.005757
X17	-.083479	-.197538	0.059456	0.085487	0.281264	0.356117	-.627664	0.099717	0.001297
X18	0.015423	-.021248	-.023405	-.063749	0.648686	-.266009	0.125974	0.044813	0.002069
X19	-.227544	-.044262	-.128974	0.585207	-.086308	-.191822	0.085367	0.380141	0.002631
X20	0.263937	-.097402	0.054318	0.315197	0.058030	0.119639	0.089383	-.157727	0.257390
X21	0.241807	-.002193	0.064375	-.188728	0.045342	0.107491	-.023802	-.088954	0.004863
X22	-.197575	-.389864	0.041248	0.026837	0.003250	0.041748	-.010214	0.026464	-.000087



The FACTOR Procedure

Input Data Type	Raw Data
Number of Records Read	21614
Number of Records Used	21613
N for Significance Tests	21613

Means and Standard Deviations from 21613 Observations		
Variable	**Mean**	**Std Dev**
X5	3.371	0.930
X6	2.115	0.770
X7	2079.900	918.441
X8	15106.968	41420.512
X9	1.494	0.540
X10	0.234	0.766
X11	3.409	0.651
X12	7.657	1.175
X13	1788.391	828.091
X14	98077.940	53.505
X15	47.560	0.139
X16	-122.214	0.141
X17	1986.552	685.391
X18	12768.456	27304.180
X19	43.995	29.373
X20	0.393	0.488
X21	0.042	0.201
X22	0.008	0.087

The FACTOR Procedure

Correlations											
		X5	**X6**	**X7**	**X8**	**X9**	**X10**	**X11**	**X12**	**X13**	**X14**
X5	X5 - bedrooms	1.00000	0.51588	0.57667	0.03170	0.17543	0.07953	0.02847	0.35697	0.47760	-0.15267
X6	X6 - bathrooms	0.51588	1.00000	0.75467	0.08774	0.50065	0.18774	-0.12498	0.66498	0.68534	-0.20387
X7	X7- sqft_living	0.57667	0.75467	1.00000	0.17283	0.35395	0.28461	-0.05875	0.76270	0.87660	-0.19943
X8	X8 - sqft_lot	0.03170	0.08774	0.17283	1.00000	-0.00520	0.07471	-0.00896	0.11362	0.18351	-0.12957
X9	X9 - floors	0.17543	0.50065	0.35395	-0.00520	1.00000	0.02944	-0.26377	0.45818	0.52388	-0.05912
X10	X10 - view	0.07953	0.18774	0.28461	0.07471	0.02944	1.00000	0.04599	0.25132	0.16765	0.08483
X11	X11 - condition	0.02847	-0.12498	-0.05875	-0.00896	-0.26377	0.04599	1.00000	-0.14467	-0.15821	0.00303
X12	X12 - grade	0.35697	0.66498	0.76270	0.11362	0.45818	0.25132	-0.14467	1.00000	0.75592	-0.18486
X13	X13 - sqft_above	0.47760	0.68534	0.87660	0.18351	0.52388	0.16765	-0.15821	0.75592	1.00000	-0.26119
X14	X14 - zipcode	-0.15267	-0.20387	-0.19943	-0.12957	-0.05912	0.08483	0.00303	-0.18486	-0.26119	1.00000
X15	X15 - lat	-0.00893	0.02457	0.05253	-0.08568	0.04961	0.00616	-0.01494	0.11408	-0.00082	0.26705
X16	X16 - long	0.12947	0.22304	0.24022	0.22952	0.12542	-0.07840	-0.10650	0.19837	0.34380	-0.56407
X17	X17 - sqft_living15	0.39164	0.56863	0.75642	0.14461	0.27989	0.28044	-0.09282	0.71320	0.73187	-0.27903
X18	X18 - sqft_lot15	0.02924	0.08718	0.18329	0.71856	-0.01127	0.07257	-0.00341	0.11925	0.19405	-0.14722
X19	X19 - age_of_house	-0.15418	-0.50602	-0.31805	-0.05308	-0.48932	0.05344	0.36142	-0.44696	-0.42390	0.34687
X20	X20 - basement_present	0.16347	0.16353	0.20450	-0.03535	-0.25656	0.18181	0.13558	0.05184	-0.21099	0.16297
X21	X21 - renovated	0.01855	0.05026	0.05509	0.00775	0.00626	0.10406	-0.06014	0.01401	0.02318	0.06434
X22	X22 - waterfront_present	-0.00658	0.06374	0.10382	0.02160	0.02370	0.40186	0.01665	0.08277	0.07207	0.03028

The FACTOR Procedure

Correlations									
		X15	**X16**	**X17**	**X18**	**X19**	**X20**	**X21**	**X22**
X5	X5 - bedrooms	-0.00893	0.12947	0.39164	0.02924	-0.15418	0.16347	0.01855	-0.00658
X6	X6 - bathrooms	0.02457	0.22304	0.56863	0.08718	-0.50602	0.16353	0.05026	0.06374
X7	X7- sqft_living	0.05253	0.24022	0.75642	0.18329	-0.31805	0.20450	0.05509	0.10382
X8	X8 - sqft_lot	-0.08568	0.22952	0.14461	0.71856	-0.05308	-0.03535	0.00775	0.02160
X9	X9 - floors	0.04961	0.12542	0.27989	-0.01127	-0.48932	-0.25656	0.00626	0.02370
X10	X10 - view	0.00616	-0.07840	0.28044	0.07257	0.05344	0.18181	0.10406	0.40186
X11	X11 - condition	-0.01494	-0.10650	-0.09282	-0.00341	0.36142	0.13558	-0.06014	0.01665
X12	X12 - grade	0.11408	0.19837	0.71320	0.11925	-0.44696	0.05184	0.01401	0.08277
X13	X13 - sqft_above	-0.00082	0.34380	0.73187	0.19405	-0.42390	-0.21099	0.02318	0.07207
X14	X14 - zipcode	0.26705	-0.56407	-0.27903	-0.14722	0.34687	0.16297	0.06434	0.03028
X15	X15 - lat	1.00000	-0.13551	0.04886	-0.08642	0.14812	0.13851	0.02935	-0.01427
X16	X16 - long	-0.13551	1.00000	0.33460	0.25445	-0.40936	-0.23719	-0.06838	-0.04191
X17	X17 - sqft_living15	0.04886	0.33460	1.00000	0.18319	-0.32623	0.04383	-0.00276	0.08646
X18	X18 - sqft_lot15	-0.08642	0.25445	0.18319	1.00000	-0.07096	-0.04073	0.00792	0.03070
X19	X19 - age_of_house	0.14812	-0.40936	-0.32623	-0.07096	1.00000	0.16790	0.22519	0.02616
X20	X20 - basement_present	0.13851	-0.23719	0.04383	-0.04073	0.16790	1.00000	0.04900	0.03723
X21	X21 - renovated	0.02935	-0.06838	-0.00276	0.00792	0.22519	0.04900	1.00000	0.09329
X22	X22 - waterfront_present	-0.01427	-0.04191	0.08646	0.03070	0.02616	0.03723	0.09329	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Partial Correlations Controlling all other Variables											
		X5	X6	X7	X8	X9	X10	X11	X12	X13	X14
X5	X5 - bedrooms	1.00000	0.19564	0.19563	-0.02640	-0.02744	-0.07446	0.03486	-0.12799	-0.01329	-0.04775
X6	X6 - bathrooms	0.19564	1.00000	0.20359	0.00790	0.26046	0.02457	0.07201	0.06781	-0.00052	-0.02444
X7	X7- sqft_living	0.19563	0.20359	1.00000	0.00865	-0.20283	0.13896	0.07557	0.07307	0.83538	-0.00660
X8	X8 - sqft_lot	-0.02640	0.00790	0.00865	1.00000	-0.02183	0.03432	-0.01842	0.01930	0.02667	0.00093
X9	X9 - floors	-0.02744	0.26046	-0.20283	-0.02183	1.00000	0.02294	-0.05742	0.08945	0.26753	0.09435
X10	X10 - view	-0.07446	0.02457	0.13896	0.03432	0.02294	1.00000	0.01396	0.08703	-0.13988	0.09331
X11	X11 - condition	0.03486	0.07201	0.07557	-0.01842	-0.05742	0.01396	1.00000	0.02991	-0.08645	-0.10917
X12	X12 - grade	-0.12799	0.06781	0.07307	0.01930	0.08945	0.08703	0.02991	1.00000	0.15526	-0.03930
X13	X13 - sqft_above	-0.01329	-0.00052	0.83538	0.02667	0.26753	-0.13988	-0.08645	0.15526	1.00000	0.02728
X14	X14 - zipcode	-0.04775	-0.02444	-0.00660	0.00093	0.09435	0.09331	-0.10917	-0.03930	0.02728	1.00000
X15	X15 - lat	-0.03596	0.01535	0.00956	-0.03418	0.08355	-0.08907	-0.05051	0.16074	-0.04395	0.21730
X16	X16 - long	-0.01070	-0.01221	-0.00274	0.06841	-0.08688	-0.04735	0.00126	-0.15058	0.05413	-0.41557
X17	X17 - sqft_living15	-0.01115	-0.03176	0.12128	-0.06566	-0.11084	0.15825	-0.03821	0.28279	0.10889	-0.09548
X18	X18 - sqft_lot15	-0.04549	-0.02608	0.02270	0.68867	-0.03511	0.00413	0.01712	-0.02624	0.00820	0.00839
X19	X19 - age_of_house	0.06739	-0.32843	0.06004	0.04341	-0.21711	0.08224	0.32286	-0.22296	0.02996	0.12613
X20	X20 - basement_present	-0.00964	0.12728	0.70368	0.00863	-0.02062	-0.04519	-0.04536	0.08289	-0.76795	0.05424
X21	X21 - renovated	-0.03331	0.13402	0.02384	-0.01347	0.05264	0.03026	-0.17278	0.03752	-0.02450	-0.02533
X22	X22 - waterfront_present	-0.04496	-0.00290	0.01249	-0.01703	0.00304	0.37359	0.00966	-0.02291	0.01148	-0.01507

The FACTOR Procedure
Initial Factor Method: Principal Components

Partial Correlations Controlling all other Variables									
		X15	X16	X17	X18	X19	X20	X21	X22
X5	X5 - bedrooms	-0.03596	-0.01070	-0.01115	-0.04549	0.06739	-0.00964	-0.03331	-0.04496
X6	X6 - bathrooms	0.01535	-0.01221	-0.03176	-0.02608	-0.32843	0.12728	0.13402	-0.00290
X7	X7- sqft_living	0.00956	-0.00274	0.12128	0.02270	0.06004	0.70368	0.02384	0.01249
X8	X8 - sqft_lot	-0.03418	0.06841	-0.06566	0.68867	0.04341	0.00863	-0.01347	-0.01703
X9	X9 - floors	0.08355	-0.08688	-0.11084	-0.03511	-0.21711	-0.02062	0.05264	0.00304
X10	X10 - view	-0.08907	-0.04735	0.15825	0.00413	0.08224	-0.04519	0.03026	0.37359
X11	X11 - condition	-0.05051	0.00126	-0.03821	0.01712	0.32286	-0.04536	-0.17278	0.00966
X12	X12 - grade	0.16074	-0.15058	0.28279	-0.02624	-0.22296	0.08289	0.03752	-0.02291
X13	X13 - sqft_above	-0.04395	0.05413	0.10889	0.00820	0.02996	-0.76795	-0.02450	0.01148
X14	X14 - zipcode	0.21730	-0.41557	-0.09548	0.00839	0.12613	0.05424	-0.02533	-0.01507
X15	X15 - lat	1.00000	0.07141	0.04964	-0.02294	0.18196	0.03957	-0.03835	-0.00768
X16	X16 - long	0.07141	1.00000	0.15318	0.08102	-0.23731	-0.07379	0.03569	-0.01960
X17	X17 - sqft_living15	0.04964	0.15318	1.00000	0.04985	0.02820	0.02196	-0.05276	-0.02840
X18	X18 - sqft_lot15	-0.02294	0.08102	0.04985	1.00000	-0.01470	-0.00322	0.01405	0.01147
X19	X19 - age_of_house	0.18196	-0.23731	0.02820	-0.01470	1.00000	0.02673	0.31969	-0.01201
X20	X20 - basement_present	0.03957	-0.07379	0.02196	-0.00322	0.02673	1.00000	-0.02473	-0.01535
X21	X21 - renovated	-0.03835	0.03569	-0.05276	0.01405	0.31969	-0.02473	1.00000	0.05555
X22	X22 - waterfront_present	-0.00768	-0.01960	-0.02840	0.01147	-0.01201	-0.01535	0.05555	1.00000

Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.75158249									
X5	X6	X7	X8	X9	X10	X11	X12	X13	X14
0.91505342	0.90144995	0.71092793	0.59111289	0.82960021	0.68061890	0.63737671	0.91739521	0.70317495	0.75534905

Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.75158249							
X15	X16	X17	X18	X19	X20	X21	X22
0.54664318	0.78099658	0.93136540	0.60507744	0.75332478	0.26164867	0.35619747	0.58885731

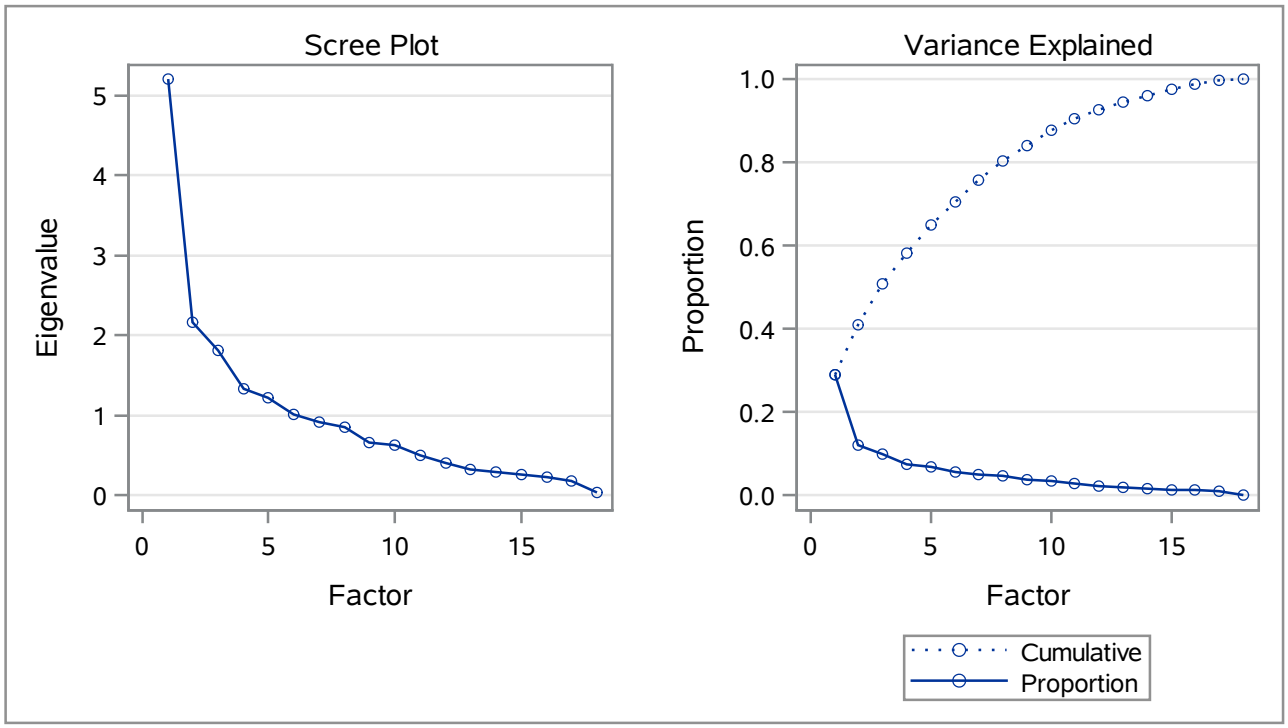
Prior Communality Estimates: ONE

Eigenvalues of the Correlation Matrix: Total = 18 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
1	5.20074642	3.04506942	0.2889	0.2889
2	2.15567700	0.34723517	0.1198	0.4087
3	1.80844183	0.47984059	0.1005	0.5092
4	1.32860124	0.11598171	0.0738	0.5830
5	1.21261953	0.20415307	0.0674	0.6503

The FACTOR Procedure
Initial Factor Method: Principal Components

Eigenvalues of the Correlation Matrix: Total = 18 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
6	1.00846646	0.09380233	0.0560	0.7064
7	0.91466413	0.05895875	0.0508	0.7572
8	0.85570538	0.19577906	0.0475	0.8047
9	0.65992632	0.02770928	0.0367	0.8414
10	0.63221705	0.13049476	0.0351	0.8765
11	0.50172229	0.09818466	0.0279	0.9044
12	0.40353763	0.07187108	0.0224	0.9268
13	0.33166655	0.04510747	0.0184	0.9452
14	0.28655907	0.02513865	0.0159	0.9611
15	0.26142042	0.03574195	0.0145	0.9757
16	0.22567848	0.04301689	0.0125	0.9882
17	0.18266159	0.15297299	0.0101	0.9984
18	0.02968860		0.0016	1.0000

8 factors will be retained by the NFACTOR criterion.



The FACTOR Procedure
Initial Factor Method: Principal Components

Factor Pattern

		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7	Factor8
X13	X13 - sqft_above	0.90733	0.01504	-0.04509	0.05085	0.03838	0.09302	0.21916	-0.12595
X7	X7- sqft_living	0.88817	0.28952	0.09445	-0.13678	0.04838	0.03697	0.01152	-0.03076
X12	X12 - grade	0.83811	0.19393	-0.07639	0.05471	0.06709	-0.06816	0.07728	0.04862
X6	X6 - bathrooms	0.82552	0.18739	-0.11901	-0.08426	0.04311	0.00780	-0.17468	-0.08532
X17	X17 - sqft_living15	0.80942	0.13094	0.09563	-0.07979	-0.04019	-0.01681	0.14458	0.16256
X9	X9 - floors	0.55860	-0.07930	-0.43601	0.36506	0.11294	-0.00435	0.08127	-0.26937
X5	X5 - bedrooms	0.55136	0.23946	0.00385	-0.42119	0.03729	0.16240	-0.09084	-0.22687
X19	X19 - age_of_house	-0.59389	0.40723	0.34291	-0.09186	0.05832	0.25891	0.27454	-0.04318
X20	X20 - basement_present	-0.02816	0.58496	0.21819	-0.36851	0.10088	-0.16097	-0.53242	0.22603
X14	X14 - zipcode	-0.37922	0.53877	-0.10582	0.33425	0.36571	-0.13342	-0.00989	-0.26619
X10	X10 - view	0.24297	0.48002	0.32238	0.31330	-0.41438	-0.18819	-0.01279	0.04283
X16	X16 - long	0.44603	-0.58915	0.12881	-0.15127	-0.16533	0.09027	0.09336	0.38613
X18	X18 - sqft_lot15	0.25645	-0.30941	0.73448	0.19424	0.31751	-0.06698	-0.05043	-0.07070
X8	X8 - sqft_lot	0.24072	-0.29717	0.72943	0.20406	0.33783	-0.06650	-0.06906	-0.10521
X22	X22 - waterfront_present	0.09993	0.29365	0.23151	0.44087	-0.58340	-0.15954	0.05863	0.08502
X21	X21 - renovated	-0.00111	0.25868	0.13390	0.26746	-0.03187	0.87443	-0.10890	0.09362
X11	X11 - condition	-0.21042	0.21175	0.34261	-0.49544	-0.16034	-0.05928	0.50518	-0.26844
X15	X15 - lat	-0.01643	0.40037	-0.14450	0.11153	0.50822	-0.10125	0.38551	0.54766

Variance Explained by Each Factor

Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7	Factor8
5.2007464	2.1556770	1.8084418	1.3286012	1.2126195	1.0084665	0.9146641	0.8557054

Final Communality Estimates: Total = 14.484922

X5	X6	X7	X8	X9	X10	X11	X12	X13	X14
0.62624141	0.77757774	0.90509088	0.85435959	0.73363247	0.70066173	0.80844619	0.76634286	0.90212244	0.77950311

X15	X16	X17	X18	X19	X20	X21	X22
0.91098557	0.77880194	0.73705205	0.85152647	0.79224201	0.89702850	0.94264959	0.72065746

The FACTOR Procedure
Initial Factor Method: Principal Components

Scoring Coefficients Estimated by Regression

Squared Multiple Correlations of the Variables with Each Factor							
Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7	Factor8
1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000

Standardized Scoring Coefficients									
		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7	Factor8
X13	X13 - sqft_above	0.17446	0.00698	-0.02493	0.03828	0.03165	0.09224	0.23960	-0.14719
X7	X7- sqft_living	0.17078	0.13431	0.05223	-0.10295	0.03989	0.03666	0.01259	-0.03595
X12	X12 - grade	0.16115	0.08996	-0.04224	0.04118	0.05533	-0.06758	0.08449	0.05681
X6	X6 - bathrooms	0.15873	0.08693	-0.06581	-0.06342	0.03555	0.00773	-0.19097	-0.09971
X17	X17 - sqft_living15	0.15564	0.06074	0.05288	-0.06005	-0.03315	-0.01667	0.15807	0.18997
X9	X9 - floors	0.10741	-0.03679	-0.24110	0.27477	0.09313	-0.00432	0.08885	-0.31479
X5	X5 - bedrooms	0.10601	0.11108	0.00213	-0.31702	0.03075	0.16103	-0.09932	-0.26513
X19	X19 - age_of_house	-0.11419	0.18891	0.18962	-0.06914	0.04810	0.25673	0.30015	-0.05046
X20	X20 - basement_present	-0.00541	0.27136	0.12065	-0.27737	0.08319	-0.15962	-0.58209	0.26415
X14	X14 - zipcode	-0.07292	0.24993	-0.05851	0.25158	0.30159	-0.13230	-0.01081	-0.31108
X10	X10 - view	0.04672	0.22268	0.17826	0.23581	-0.34172	-0.18661	-0.01399	0.05005
X16	X16 - long	0.08576	-0.27330	0.07123	-0.11386	-0.13634	0.08951	0.10207	0.45124
X18	X18 - sqft_lot15	0.04931	-0.14353	0.40614	0.14620	0.26184	-0.06642	-0.05514	-0.08262
X8	X8 - sqft_lot	0.04628	-0.13785	0.40335	0.15359	0.27860	-0.06594	-0.07551	-0.12295
X22	X22 - waterfront_present	0.01921	0.13622	0.12802	0.33183	-0.48111	-0.15820	0.06410	0.09936
X21	X21 - renovated	-0.00021	0.12000	0.07404	0.20131	-0.02629	0.86709	-0.11906	0.10941
X11	X11 - condition	-0.04046	0.09823	0.18945	-0.37290	-0.13223	-0.05878	0.55231	-0.31371
X15	X15 - lat	-0.00316	0.18573	-0.07990	0.08394	0.41911	-0.10040	0.42148	0.64002

The FACTOR Procedure

Input Data Type	Raw Data
Number of Records Read	21614
Number of Records Used	21613
N for Significance Tests	21613

Means and Standard Deviations from 21613 Observations		
Variable	**Mean**	**Std Dev**
X5	3.371	0.930
X6	2.115	0.770
X7	2079.900	918.441
X8	15106.968	41420.512
X9	1.494	0.540
X10	0.234	0.766
X11	3.409	0.651
X12	7.657	1.175
X13	1788.391	828.091
X14	98077.940	53.505
X15	47.560	0.139
X16	-122.214	0.141
X17	1986.552	685.391
X18	12768.456	27304.180
X19	43.995	29.373
X20	0.393	0.488
X21	0.042	0.201
X22	0.008	0.087

The FACTOR Procedure

Correlations

		X5	X6	X7	X8	X9	X10	X11	X12	X13	X14
X5	X5 - bedrooms	1.00000	0.51588	0.57667	0.03170	0.17543	0.07953	0.02847	0.35697	0.47760	-0.15267
X6	X6 - bathrooms	0.51588	1.00000	0.75467	0.08774	0.50065	0.18774	-0.12498	0.66498	0.68534	-0.20387
X7	X7- sqft_living	0.57667	0.75467	1.00000	0.17283	0.35395	0.28461	-0.05875	0.76270	0.87660	-0.19943
X8	X8 - sqft_lot	0.03170	0.08774	0.17283	1.00000	-0.00520	0.07471	-0.00896	0.11362	0.18351	-0.12957
X9	X9 - floors	0.17543	0.50065	0.35395	-0.00520	1.00000	0.02944	-0.26377	0.45818	0.52388	-0.05912
X10	X10 - view	0.07953	0.18774	0.28461	0.07471	0.02944	1.00000	0.04599	0.25132	0.16765	0.08483
X11	X11 - condition	0.02847	-0.12498	-0.05875	-0.00896	-0.26377	0.04599	1.00000	-0.14467	-0.15821	0.00303
X12	X12 - grade	0.35697	0.66498	0.76270	0.11362	0.45818	0.25132	-0.14467	1.00000	0.75592	-0.18486
X13	X13 - sqft_above	0.47760	0.68534	0.87660	0.18351	0.52388	0.16765	-0.15821	0.75592	1.00000	-0.26119
X14	X14 - zipcode	-0.15267	-0.20387	-0.19943	-0.12957	-0.05912	0.08483	0.00303	-0.18486	-0.26119	1.00000
X15	X15 - lat	-0.00893	0.02457	0.05253	-0.08568	0.04961	0.00616	-0.01494	0.11408	-0.00082	0.26705
X16	X16 - long	0.12947	0.22304	0.24022	0.22952	0.12542	-0.07840	-0.10650	0.19837	0.34380	-0.56407
X17	X17 - sqft_living15	0.39164	0.56863	0.75642	0.14461	0.27989	0.28044	-0.09282	0.71320	0.73187	-0.27903
X18	X18 - sqft_lot15	0.02924	0.08718	0.18329	0.71856	-0.01127	0.07257	-0.00341	0.11925	0.19405	-0.14722
X19	X19 - age_of_house	-0.15418	-0.50602	-0.31805	-0.05308	-0.48932	0.05344	0.36142	-0.44696	-0.42390	0.34687
X20	X20 - basement_present	0.16347	0.16353	0.20450	-0.03535	-0.25656	0.18181	0.13558	0.05184	-0.21099	0.16297
X21	X21 - renovated	0.01855	0.05026	0.05509	0.00775	0.00626	0.10406	-0.06014	0.01401	0.02318	0.06434
X22	X22 - waterfront_present	-0.00658	0.06374	0.10382	0.02160	0.02370	0.40186	0.01665	0.08277	0.07207	0.03028

The FACTOR Procedure

Correlations									
		X15	**X16**	**X17**	**X18**	**X19**	**X20**	**X21**	**X22**
X5	X5 - bedrooms	-0.00893	0.12947	0.39164	0.02924	-0.15418	0.16347	0.01855	-0.00658
X6	X6 - bathrooms	0.02457	0.22304	0.56863	0.08718	-0.50602	0.16353	0.05026	0.06374
X7	X7- sqft_living	0.05253	0.24022	0.75642	0.18329	-0.31805	0.20450	0.05509	0.10382
X8	X8 - sqft_lot	-0.08568	0.22952	0.14461	0.71856	-0.05308	-0.03535	0.00775	0.02160
X9	X9 - floors	0.04961	0.12542	0.27989	-0.01127	-0.48932	-0.25656	0.00626	0.02370
X10	X10 - view	0.00616	-0.07840	0.28044	0.07257	0.05344	0.18181	0.10406	0.40186
X11	X11 - condition	-0.01494	-0.10650	-0.09282	-0.00341	0.36142	0.13558	-0.06014	0.01665
X12	X12 - grade	0.11408	0.19837	0.71320	0.11925	-0.44696	0.05184	0.01401	0.08277
X13	X13 - sqft_above	-0.00082	0.34380	0.73187	0.19405	-0.42390	-0.21099	0.02318	0.07207
X14	X14 - zipcode	0.26705	-0.56407	-0.27903	-0.14722	0.34687	0.16297	0.06434	0.03028
X15	X15 - lat	1.00000	-0.13551	0.04886	-0.08642	0.14812	0.13851	0.02935	-0.01427
X16	X16 - long	-0.13551	1.00000	0.33460	0.25445	-0.40936	-0.23719	-0.06838	-0.04191
X17	X17 - sqft_living15	0.04886	0.33460	1.00000	0.18319	-0.32623	0.04383	-0.00276	0.08646
X18	X18 - sqft_lot15	-0.08642	0.25445	0.18319	1.00000	-0.07096	-0.04073	0.00792	0.03070
X19	X19 - age_of_house	0.14812	-0.40936	-0.32623	-0.07096	1.00000	0.16790	0.22519	0.02616
X20	X20 - basement_present	0.13851	-0.23719	0.04383	-0.04073	0.16790	1.00000	0.04900	0.03723
X21	X21 - renovated	0.02935	-0.06838	-0.00276	0.00792	0.22519	0.04900	1.00000	0.09329
X22	X22 - waterfront_present	-0.01427	-0.04191	0.08646	0.03070	0.02616	0.03723	0.09329	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Partial Correlations Controlling all other Variables											
		X5	X6	X7	X8	X9	X10	X11	X12	X13	X14
X5	X5 - bedrooms	1.00000	0.19564	0.19563	-0.02640	-0.02744	-0.07446	0.03486	-0.12799	-0.01329	-0.04775
X6	X6 - bathrooms	0.19564	1.00000	0.20359	0.00790	0.26046	0.02457	0.07201	0.06781	-0.00052	-0.02444
X7	X7- sqft_living	0.19563	0.20359	1.00000	0.00865	-0.20283	0.13896	0.07557	0.07307	0.83538	-0.00660
X8	X8 - sqft_lot	-0.02640	0.00790	0.00865	1.00000	-0.02183	0.03432	-0.01842	0.01930	0.02667	0.00093
X9	X9 - floors	-0.02744	0.26046	-0.20283	-0.02183	1.00000	0.02294	-0.05742	0.08945	0.26753	0.09435
X10	X10 - view	-0.07446	0.02457	0.13896	0.03432	0.02294	1.00000	0.01396	0.08703	-0.13988	0.09331
X11	X11 - condition	0.03486	0.07201	0.07557	-0.01842	-0.05742	0.01396	1.00000	0.02991	-0.08645	-0.10917
X12	X12 - grade	-0.12799	0.06781	0.07307	0.01930	0.08945	0.08703	0.02991	1.00000	0.15526	-0.03930
X13	X13 - sqft_above	-0.01329	-0.00052	0.83538	0.02667	0.26753	-0.13988	-0.08645	0.15526	1.00000	0.02728
X14	X14 - zipcode	-0.04775	-0.02444	-0.00660	0.00093	0.09435	0.09331	-0.10917	-0.03930	0.02728	1.00000
X15	X15 - lat	-0.03596	0.01535	0.00956	-0.03418	0.08355	-0.08907	-0.05051	0.16074	-0.04395	0.21730
X16	X16 - long	-0.01070	-0.01221	-0.00274	0.06841	-0.08688	-0.04735	0.00126	-0.15058	0.05413	-0.41557
X17	X17 - sqft_living15	-0.01115	-0.03176	0.12128	-0.06566	-0.11084	0.15825	-0.03821	0.28279	0.10889	-0.09548
X18	X18 - sqft_lot15	-0.04549	-0.02608	0.02270	0.68867	-0.03511	0.00413	0.01712	-0.02624	0.00820	0.00839
X19	X19 - age_of_house	0.06739	-0.32843	0.06004	0.04341	-0.21711	0.08224	0.32286	-0.22296	0.02996	0.12613
X20	X20 - basement_present	-0.00964	0.12728	0.70368	0.00863	-0.02062	-0.04519	-0.04536	0.08289	-0.76795	0.05424
X21	X21 - renovated	-0.03331	0.13402	0.02384	-0.01347	0.05264	0.03026	-0.17278	0.03752	-0.02450	-0.02533
X22	X22 - waterfront_present	-0.04496	-0.00290	0.01249	-0.01703	0.00304	0.37359	0.00966	-0.02291	0.01148	-0.01507

The FACTOR Procedure
Initial Factor Method: Principal Components

Partial Correlations Controlling all other Variables									
		X15	X16	X17	X18	X19	X20	X21	X22
X5	X5 - bedrooms	-0.03596	-0.01070	-0.01115	-0.04549	0.06739	-0.00964	-0.03331	-0.04496
X6	X6 - bathrooms	0.01535	-0.01221	-0.03176	-0.02608	-0.32843	0.12728	0.13402	-0.00290
X7	X7- sqft_living	0.00956	-0.00274	0.12128	0.02270	0.06004	0.70368	0.02384	0.01249
X8	X8 - sqft_lot	-0.03418	0.06841	-0.06566	0.68867	0.04341	0.00863	-0.01347	-0.01703
X9	X9 - floors	0.08355	-0.08688	-0.11084	-0.03511	-0.21711	-0.02062	0.05264	0.00304
X10	X10 - view	-0.08907	-0.04735	0.15825	0.00413	0.08224	-0.04519	0.03026	0.37359
X11	X11 - condition	-0.05051	0.00126	-0.03821	0.01712	0.32286	-0.04536	-0.17278	0.00966
X12	X12 - grade	0.16074	-0.15058	0.28279	-0.02624	-0.22296	0.08289	0.03752	-0.02291
X13	X13 - sqft_above	-0.04395	0.05413	0.10889	0.00820	0.02996	-0.76795	-0.02450	0.01148
X14	X14 - zipcode	0.21730	-0.41557	-0.09548	0.00839	0.12613	0.05424	-0.02533	-0.01507
X15	X15 - lat	1.00000	0.07141	0.04964	-0.02294	0.18196	0.03957	-0.03835	-0.00768
X16	X16 - long	0.07141	1.00000	0.15318	0.08102	-0.23731	-0.07379	0.03569	-0.01960
X17	X17 - sqft_living15	0.04964	0.15318	1.00000	0.04985	0.02820	0.02196	-0.05276	-0.02840
X18	X18 - sqft_lot15	-0.02294	0.08102	0.04985	1.00000	-0.01470	-0.00322	0.01405	0.01147
X19	X19 - age_of_house	0.18196	-0.23731	0.02820	-0.01470	1.00000	0.02673	0.31969	-0.01201
X20	X20 - basement_present	0.03957	-0.07379	0.02196	-0.00322	0.02673	1.00000	-0.02473	-0.01535
X21	X21 - renovated	-0.03835	0.03569	-0.05276	0.01405	0.31969	-0.02473	1.00000	0.05555
X22	X22 - waterfront_present	-0.00768	-0.01960	-0.02840	0.01147	-0.01201	-0.01535	0.05555	1.00000

Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.75158249									
X5	**X6**	**X7**	**X8**	**X9**	**X10**	**X11**	**X12**	**X13**	**X14**
0.91505342	0.90144995	0.71092793	0.59111289	0.82960021	0.68061890	0.63737671	0.91739521	0.70317495	0.75534905

Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.75158249							
X15	**X16**	**X17**	**X18**	**X19**	**X20**	**X21**	**X22**
0.54664318	0.78099658	0.93136540	0.60507744	0.75332478	0.26164867	0.35619747	0.58885731

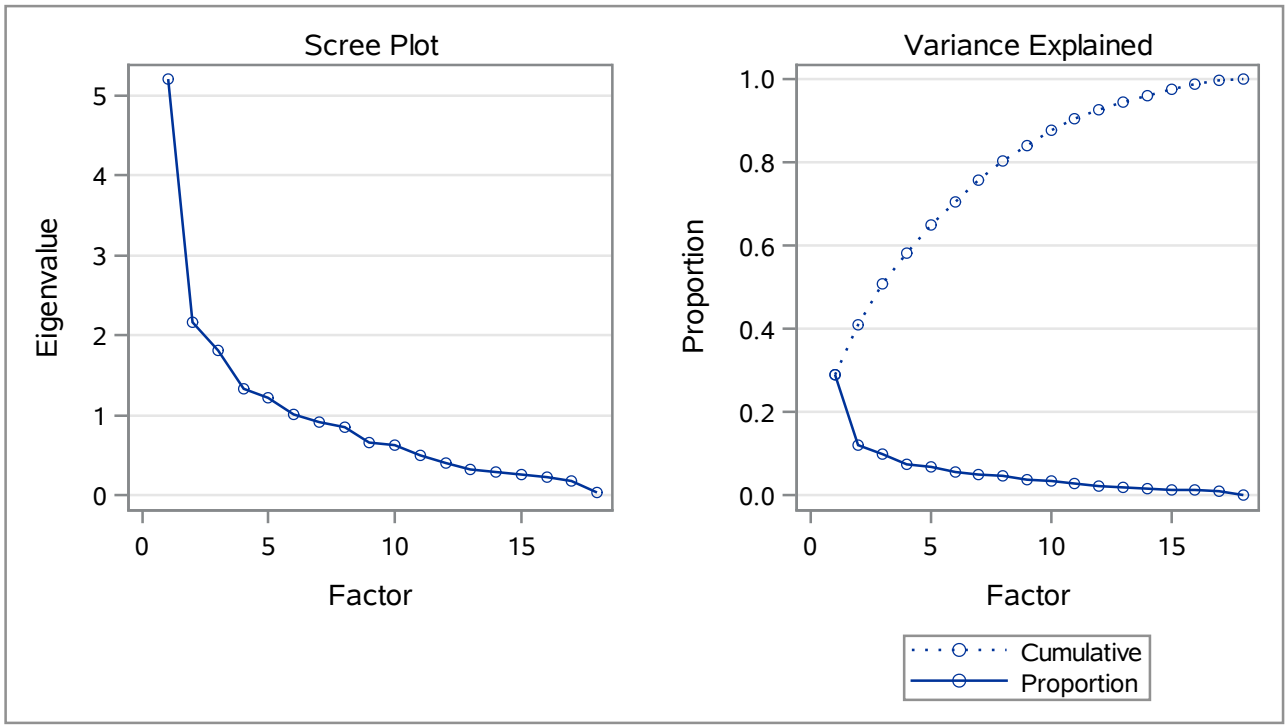
Prior Communality Estimates: ONE

Eigenvalues of the Correlation Matrix: Total = 18 Average = 1				
	Eigenvalue	**Difference**	**Proportion**	**Cumulative**
1	5.20074642	3.04506942	0.2889	0.2889
2	2.15567700	0.34723517	0.1198	0.4087
3	1.80844183	0.47984059	0.1005	0.5092
4	1.32860124	0.11598171	0.0738	0.5830
5	1.21261953	0.20415307	0.0674	0.6503

The FACTOR Procedure
Initial Factor Method: Principal Components

Eigenvalues of the Correlation Matrix: Total = 18 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
6	1.00846646	0.09380233	0.0560	0.7064
7	0.91466413	0.05895875	0.0508	0.7572
8	0.85570538	0.19577906	0.0475	0.8047
9	0.65992632	0.02770928	0.0367	0.8414
10	0.63221705	0.13049476	0.0351	0.8765
11	0.50172229	0.09818466	0.0279	0.9044
12	0.40353763	0.07187108	0.0224	0.9268
13	0.33166655	0.04510747	0.0184	0.9452
14	0.28655907	0.02513865	0.0159	0.9611
15	0.26142042	0.03574195	0.0145	0.9757
16	0.22567848	0.04301689	0.0125	0.9882
17	0.18266159	0.15297299	0.0101	0.9984
18	0.02968860		0.0016	1.0000

8 factors will be retained by the NFACTOR criterion.



The FACTOR Procedure
Initial Factor Method: Principal Components

Factor Pattern

		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7	Factor8
X13	X13 - sqft_above	0.90733	0.01504	-0.04509	0.05085	0.03838	0.09302	0.21916	-0.12595
X7	X7- sqft_living	0.88817	0.28952	0.09445	-0.13678	0.04838	0.03697	0.01152	-0.03076
X12	X12 - grade	0.83811	0.19393	-0.07639	0.05471	0.06709	-0.06816	0.07728	0.04862
X6	X6 - bathrooms	0.82552	0.18739	-0.11901	-0.08426	0.04311	0.00780	-0.17468	-0.08532
X17	X17 - sqft_living15	0.80942	0.13094	0.09563	-0.07979	-0.04019	-0.01681	0.14458	0.16256
X9	X9 - floors	0.55860	-0.07930	-0.43601	0.36506	0.11294	-0.00435	0.08127	-0.26937
X5	X5 - bedrooms	0.55136	0.23946	0.00385	-0.42119	0.03729	0.16240	-0.09084	-0.22687
X19	X19 - age_of_house	-0.59389	0.40723	0.34291	-0.09186	0.05832	0.25891	0.27454	-0.04318
X20	X20 - basement_present	-0.02816	0.58496	0.21819	-0.36851	0.10088	-0.16097	-0.53242	0.22603
X14	X14 - zipcode	-0.37922	0.53877	-0.10582	0.33425	0.36571	-0.13342	-0.00989	-0.26619
X10	X10 - view	0.24297	0.48002	0.32238	0.31330	-0.41438	-0.18819	-0.01279	0.04283
X16	X16 - long	0.44603	-0.58915	0.12881	-0.15127	-0.16533	0.09027	0.09336	0.38613
X18	X18 - sqft_lot15	0.25645	-0.30941	0.73448	0.19424	0.31751	-0.06698	-0.05043	-0.07070
X8	X8 - sqft_lot	0.24072	-0.29717	0.72943	0.20406	0.33783	-0.06650	-0.06906	-0.10521
X22	X22 - waterfront_present	0.09993	0.29365	0.23151	0.44087	-0.58340	-0.15954	0.05863	0.08502
X21	X21 - renovated	-0.00111	0.25868	0.13390	0.26746	-0.03187	0.87443	-0.10890	0.09362
X11	X11 - condition	-0.21042	0.21175	0.34261	-0.49544	-0.16034	-0.05928	0.50518	-0.26844
X15	X15 - lat	-0.01643	0.40037	-0.14450	0.11153	0.50822	-0.10125	0.38551	0.54766

Variance Explained by Each Factor

Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7	Factor8
5.2007464	2.1556770	1.8084418	1.3286012	1.2126195	1.0084665	0.9146641	0.8557054

Final Communality Estimates: Total = 14.484922

X5	X6	X7	X8	X9	X10	X11	X12	X13	X14
0.62624141	0.77757774	0.90509088	0.85435959	0.73363247	0.70066173	0.80844619	0.76634286	0.90212244	0.77950311

X15	X16	X17	X18	X19	X20	X21	X22
0.91098557	0.77880194	0.73705205	0.85152647	0.79224201	0.89702850	0.94264959	0.72065746

The FACTOR Procedure
Rotation Method: Varimax

Orthogonal Transformation Matrix								
	1	2	3	4	5	6	7	8
1	0.91479	0.16017	-0.26841	0.10839	-0.20741	-0.09272	-0.04351	-0.01443
2	0.29071	-0.29578	0.58041	0.37031	0.24573	0.41862	0.21195	0.27102
3	-0.08839	0.78911	-0.13224	0.30188	0.40143	0.27234	0.14362	-0.07020
4	-0.16693	0.25108	0.31085	0.49567	-0.53013	-0.46859	0.20700	0.15268
5	0.09839	0.41961	0.38578	-0.65334	-0.13822	0.05730	-0.01157	0.46480
6	0.05198	-0.09102	-0.13500	-0.25372	0.07127	-0.13022	0.93361	-0.11292
7	0.05530	-0.06767	-0.09143	0.05935	0.60592	-0.62535	-0.08414	0.46388
8	-0.16593	-0.11039	-0.54915	0.13980	-0.25116	0.33332	0.10424	0.67388

Rotated Factor Pattern									
		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7	Factor8
X7	X7- sqft_living	0.92356	0.11636	-0.09585	0.11959	0.00800	0.10916	0.03775	0.04105
X13	X13 - sqft_above	0.87152	0.12478	-0.16166	0.06224	-0.06380	-0.30289	0.02259	0.02603
X6	X6 - bathrooms	0.84338	0.00034	-0.04486	0.02875	-0.21810	0.09122	-0.01816	-0.08501
X12	X12 - grade	0.81995	0.05410	-0.08397	0.15156	-0.16537	-0.06237	-0.06086	0.16167
X17	X17 - sqft_living15	0.75958	0.10328	-0.29443	0.18738	-0.00389	0.00685	-0.02070	0.16474
X5	X5 - bedrooms	0.68869	-0.05318	-0.01509	-0.16185	0.17767	0.20971	0.07531	-0.20367
X9	X9 - floors	0.52562	-0.06745	0.15983	-0.02501	-0.40293	-0.50837	-0.06846	-0.03405
X8	X8 - sqft_lot	0.07869	0.91739	-0.06672	0.01474	-0.00517	-0.00755	0.00239	-0.04247
X18	X18 - sqft_lot15	0.08400	0.91149	-0.11020	0.02790	0.00118	-0.00941	-0.00038	-0.02535
X14	X14 - zipcode	-0.16405	-0.02402	0.83856	0.04926	-0.00782	0.03105	0.02898	0.21104
X16	X16 - long	0.18013	0.18283	-0.82226	-0.06128	-0.11651	-0.13293	-0.03851	0.01822
X22	X22 - waterfront_present	0.00616	-0.02109	-0.00553	0.84500	-0.00591	-0.05086	0.04414	-0.03945
X10	X10 - view	0.22266	0.06938	0.11134	0.78041	0.05624	0.14244	0.03697	0.00336
X11	X11 - condition	-0.02489	-0.01681	0.02744	0.02571	0.88732	0.02675	-0.12329	-0.05365
X19	X19 - age_of_house	-0.39833	0.01905	0.30802	0.05087	0.59719	0.14553	0.35583	0.17697
X20	X20 - basement_present	0.12113	-0.02982	0.18887	0.07170	0.02774	0.91463	-0.00283	0.05777
X21	X21 - renovated	0.03846	0.00020	0.04407	0.07426	-0.04701	0.00313	0.96514	0.00057
X15	X15 - lat	0.07070	-0.07114	0.16430	-0.04877	0.00324	0.06129	0.01214	0.93147

Variance Explained by Each Factor							
Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7	Factor8
4.6263148	1.7683622	1.7254034	1.4504254	1.4368011	1.3221917	1.0958637	1.0595597

The FACTOR Procedure
Rotation Method: Varimax

Final Communality Estimates: Total = 14.484922									
X5	X6	X7	X8	X9	X10	X11	X12	X13	X14
0.62624141	0.77757774	0.90509088	0.85435959	0.73363247	0.70066173	0.80844619	0.76634286	0.90212244	0.77950311

X15	X16	X17	X18	X19	X20	X21	X22
0.91098557	0.77880194	0.73705205	0.85152647	0.79224201	0.89702850	0.94264959	0.72065746

The FACTOR Procedure
Rotation Method: Varimax

Scoring Coefficients Estimated by Regression

Squared Multiple Correlations of the Variables with Each Factor							
Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7	Factor8
1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000

Standardized Scoring Coefficients									
		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7	Factor8
X7	X7- sqft_living	0.22033	0.01951	0.02223	-0.00666	0.08688	0.08051	0.03619	0.01057
X13	X13 - sqft_above	0.20302	0.02074	0.03110	-0.01750	0.11958	-0.24708	0.04848	0.02322
X6	X6 - bathrooms	0.19676	-0.03000	0.08173	-0.05236	-0.09939	0.12069	0.00142	-0.12393
X12	X12 - grade	0.16761	-0.00641	0.01889	0.05240	-0.02565	-0.03001	-0.05041	0.14213
X17	X17 - sqft_living15	0.13848	-0.01045	-0.16149	0.08738	0.08717	0.01828	-0.00741	0.18915
X5	X5 - bedrooms	0.23190	-0.05956	0.08199	-0.20778	0.18786	0.14033	0.08432	-0.24860
X9	X9 - floors	0.12909	-0.02497	0.26837	-0.03706	-0.15404	-0.37437	-0.03562	-0.07978
X8	X8 - sqft_lot	-0.01882	0.54663	0.09277	-0.03510	-0.02106	0.00666	-0.01276	-0.02384
X18	X18 - sqft_lot15	-0.02395	0.53632	0.05559	-0.02178	-0.01355	0.00804	-0.01299	0.00215
X14	X14 - zipcode	0.04295	0.10505	0.55660	-0.01592	-0.05986	-0.08485	-0.05870	0.05178
X16	X16 - long	-0.06628	0.00012	-0.54827	0.00866	-0.02225	0.01750	0.04860	0.18026
X22	X22 - waterfront_present	-0.07803	-0.05566	-0.06454	0.62781	-0.02592	-0.07932	-0.02205	-0.03075
X10	X10 - view	-0.00005	0.01051	0.03359	0.53500	0.00447	0.05708	-0.04429	-0.02736
X11	X11 - condition	0.10358	-0.03255	0.00561	-0.00543	0.73381	-0.17868	-0.15992	-0.05304
X19	X19 - age_of_house	-0.01171	0.04017	0.07789	-0.00525	0.38907	-0.06149	0.26655	0.12757
X20	X20 - basement_present	0.03344	0.00410	0.01858	-0.01263	-0.17864	0.75454	-0.05581	-0.01252
X21	X21 - renovated	0.01229	-0.02053	-0.05390	-0.02804	-0.08165	-0.02741	0.90900	-0.03357
X15	X15 - lat	-0.00272	-0.01158	-0.06945	-0.04794	-0.00073	0.00379	-0.02194	0.90176

The FACTOR Procedure

Input Data Type	Raw Data
Number of Records Read	21614
Number of Records Used	21613
N for Significance Tests	21613

Means and Standard Deviations from 21613 Observations		
Variable	**Mean**	**Std Dev**
X5	3.371	0.930
X6	2.115	0.770
X7	2079.900	918.441
X8	15106.968	41420.512
X9	1.494	0.540
X10	0.234	0.766
X11	3.409	0.651
X12	7.657	1.175
X13	1788.391	828.091
X14	98077.940	53.505
X15	47.560	0.139
X16	-122.214	0.141
X17	1986.552	685.391
X18	12768.456	27304.180
X19	43.995	29.373
X21	0.042	0.201
X22	0.008	0.087

The FACTOR Procedure

Correlations										
		X5	X6	X7	X8	X9	X10	X11	X12	X13
X5	X5 - bedrooms	1.00000	0.51588	0.57667	0.03170	0.17543	0.07953	0.02847	0.35697	0.47760
X6	X6 - bathrooms	0.51588	1.00000	0.75467	0.08774	0.50065	0.18774	-0.12498	0.66498	0.68534
X7	X7- sqft_living	0.57667	0.75467	1.00000	0.17283	0.35395	0.28461	-0.05875	0.76270	0.87660
X8	X8 - sqft_lot	0.03170	0.08774	0.17283	1.00000	-0.00520	0.07471	-0.00896	0.11362	0.18351
X9	X9 - floors	0.17543	0.50065	0.35395	-0.00520	1.00000	0.02944	-0.26377	0.45818	0.52388
X10	X10 - view	0.07953	0.18774	0.28461	0.07471	0.02944	1.00000	0.04599	0.25132	0.16765
X11	X11 - condition	0.02847	-0.12498	-0.05875	-0.00896	-0.26377	0.04599	1.00000	-0.14467	-0.15821
X12	X12 - grade	0.35697	0.66498	0.76270	0.11362	0.45818	0.25132	-0.14467	1.00000	0.75592
X13	X13 - sqft_above	0.47760	0.68534	0.87660	0.18351	0.52388	0.16765	-0.15821	0.75592	1.00000
X14	X14 - zipcode	-0.15267	-0.20387	-0.19943	-0.12957	-0.05912	0.08483	0.00303	-0.18486	-0.26119
X15	X15 - lat	-0.00893	0.02457	0.05253	-0.08568	0.04961	0.00616	-0.01494	0.11408	-0.00082
X16	X16 - long	0.12947	0.22304	0.24022	0.22952	0.12542	-0.07840	-0.10650	0.19837	0.34380
X17	X17 - sqft_living15	0.39164	0.56863	0.75642	0.14461	0.27989	0.28044	-0.09282	0.71320	0.73187
X18	X18 - sqft_lot15	0.02924	0.08718	0.18329	0.71856	-0.01127	0.07257	-0.00341	0.11925	0.19405
X19	X19 - age_of_house	-0.15418	-0.50602	-0.31805	-0.05308	-0.48932	0.05344	0.36142	-0.44696	-0.42390
X21	X21 - renovated	0.01855	0.05026	0.05509	0.00775	0.00626	0.10406	-0.06014	0.01401	0.02318
X22	X22 - waterfront_present	-0.00658	0.06374	0.10382	0.02160	0.02370	0.40186	0.01665	0.08277	0.07207

The FACTOR Procedure

Correlations									
		X14	**X15**	**X16**	**X17**	**X18**	**X19**	**X21**	**X22**
X5	X5 - bedrooms	-0.15267	-0.00893	0.12947	0.39164	0.02924	-0.15418	0.01855	-0.00658
X6	X6 - bathrooms	-0.20387	0.02457	0.22304	0.56863	0.08718	-0.50602	0.05026	0.06374
X7	X7- sqft_living	-0.19943	0.05253	0.24022	0.75642	0.18329	-0.31805	0.05509	0.10382
X8	X8 - sqft_lot	-0.12957	-0.08568	0.22952	0.14461	0.71856	-0.05308	0.00775	0.02160
X9	X9 - floors	-0.05912	0.04961	0.12542	0.27989	-0.01127	-0.48932	0.00626	0.02370
X10	X10 - view	0.08483	0.00616	-0.07840	0.28044	0.07257	0.05344	0.10406	0.40186
X11	X11 - condition	0.00303	-0.01494	-0.10650	-0.09282	-0.00341	0.36142	-0.06014	0.01665
X12	X12 - grade	-0.18486	0.11408	0.19837	0.71320	0.11925	-0.44696	0.01401	0.08277
X13	X13 - sqft_above	-0.26119	-0.00082	0.34380	0.73187	0.19405	-0.42390	0.02318	0.07207
X14	X14 - zipcode	1.00000	0.26705	-0.56407	-0.27903	-0.14722	0.34687	0.06434	0.03028
X15	X15 - lat	0.26705	1.00000	-0.13551	0.04886	-0.08642	0.14812	0.02935	-0.01427
X16	X16 - long	-0.56407	-0.13551	1.00000	0.33460	0.25445	-0.40936	-0.06838	-0.04191
X17	X17 - sqft_living15	-0.27903	0.04886	0.33460	1.00000	0.18319	-0.32623	-0.00276	0.08646
X18	X18 - sqft_lot15	-0.14722	-0.08642	0.25445	0.18319	1.00000	-0.07096	0.00792	0.03070
X19	X19 - age_of_house	0.34687	0.14812	-0.40936	-0.32623	-0.07096	1.00000	0.22519	0.02616
X21	X21 - renovated	0.06434	0.02935	-0.06838	-0.00276	0.00792	0.22519	1.00000	0.09329
X22	X22 - waterfront_present	0.03028	-0.01427	-0.04191	0.08646	0.03070	0.02616	0.09329	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Partial Correlations Controlling all other Variables										
		X5	**X6**	**X7**	**X8**	**X9**	**X10**	**X11**	**X12**	**X13**
X5	X5 - bedrooms	1.00000	0.19602	0.26580	-0.02648	-0.02724	-0.07410	0.03533	-0.12924	-0.00918
X6	X6 - bathrooms	0.19602	1.00000	0.41598	0.00907	0.26000	0.01899	0.06685	0.07928	-0.15468
X7	X7- sqft_living	0.26580	0.41598	1.00000	0.02072	-0.30596	0.15098	0.06150	0.18558	0.64820
X8	X8 - sqft_lot	-0.02648	0.00907	0.02072	1.00000	-0.02201	0.03396	-0.01883	0.02008	0.03129
X9	X9 - floors	-0.02724	0.26000	-0.30596	-0.02201	1.00000	0.02390	-0.05655	0.08806	0.44250
X10	X10 - view	-0.07410	0.01899	0.15098	0.03396	0.02390	1.00000	0.01604	0.08366	-0.16437
X11	X11 - condition	0.03533	0.06685	0.06150	-0.01883	-0.05655	0.01604	1.00000	0.02627	-0.08067
X12	X12 - grade	-0.12924	0.07928	0.18558	0.02008	0.08806	0.08366	0.02627	1.00000	0.14350
X13	X13 - sqft_above	-0.00918	-0.15468	0.64820	0.03129	0.44250	-0.16437	-0.08067	0.14350	1.00000
X14	X14 - zipcode	-0.04835	-0.01771	0.04449	0.00140	0.09339	0.09109	-0.11191	-0.03497	-0.02248
X15	X15 - lat	-0.03637	0.02057	0.05268	-0.03387	0.08282	-0.09102	-0.05240	0.16471	-0.11616
X16	X16 - long	-0.01001	-0.02184	-0.07714	0.06796	-0.08561	-0.04418	0.00463	-0.15767	0.17345
X17	X17 - sqft_living15	-0.01136	-0.02921	0.19250	-0.06549	-0.11134	0.15746	-0.03925	0.28567	0.14370
X18	X18 - sqft_lot15	-0.04546	-0.02671	0.02875	0.68867	-0.03505	0.00428	0.01728	-0.02660	0.01667
X19	X19 - age_of_house	0.06715	-0.32781	0.11102	0.04366	-0.21779	0.08115	0.32209	-0.22159	0.01474
X21	X21 - renovated	-0.03308	0.13199	0.00906	-0.01368	0.05318	0.03142	-0.17189	0.03560	-0.00860
X22	X22 - waterfront_present	-0.04482	-0.00489	0.00238	-0.01717	0.00336	0.37471	0.01037	-0.02427	0.03633

The FACTOR Procedure
Initial Factor Method: Principal Components

Partial Correlations Controlling all other Variables									
		X14	X15	X16	X17	X18	X19	X21	X22
X5	X5 - bedrooms	-0.04835	-0.03637	-0.01001	-0.01136	-0.04546	0.06715	-0.03308	-0.04482
X6	X6 - bathrooms	-0.01771	0.02057	-0.02184	-0.02921	-0.02671	-0.32781	0.13199	-0.00489
X7	X7- sqft_living	0.04449	0.05268	-0.07714	0.19250	0.02875	0.11102	0.00906	0.00238
X8	X8 - sqft_lot	0.00140	-0.03387	0.06796	-0.06549	0.68867	0.04366	-0.01368	-0.01717
X9	X9 - floors	0.09339	0.08282	-0.08561	-0.11134	-0.03505	-0.21779	0.05318	0.00336
X10	X10 - view	0.09109	-0.09102	-0.04418	0.15746	0.00428	0.08115	0.03142	0.37471
X11	X11 - condition	-0.11191	-0.05240	0.00463	-0.03925	0.01728	0.32209	-0.17189	0.01037
X12	X12 - grade	-0.03497	0.16471	-0.15767	0.28567	-0.02660	-0.22159	0.03560	-0.02427
X13	X13 - sqft_above	-0.02248	-0.11616	0.17345	0.14370	0.01667	0.01474	-0.00860	0.03633
X14	X14 - zipcode	1.00000	0.21994	-0.42134	-0.09445	0.00823	0.12782	-0.02672	-0.01593
X15	X15 - lat	0.21994	1.00000	0.06873	0.05056	-0.02309	0.18322	-0.03937	-0.00829
X16	X16 - long	-0.42134	0.06873	1.00000	0.15201	0.08148	-0.24002	0.03763	-0.01852
X17	X17 - sqft_living15	-0.09445	0.05056	0.15201	1.00000	0.04979	0.02880	-0.05334	-0.02874
X18	X18 - sqft_lot15	0.00823	-0.02309	0.08148	0.04979	1.00000	-0.01479	0.01414	0.01152
X19	X19 - age_of_house	0.12782	0.18322	-0.24002	0.02880	-0.01479	1.00000	0.31925	-0.01243
X21	X21 - renovated	-0.02672	-0.03937	0.03763	-0.05334	0.01414	0.31925	1.00000	0.05595
X22	X22 - waterfront_present	-0.01593	-0.00829	-0.01852	-0.02874	0.01152	-0.01243	0.05595	1.00000

Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.79048367								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.89140240	0.86122788	0.79013249	0.59042454	0.74033340	0.65909269	0.63088784	0.91032533	0.81447869

Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.79048367							
X14	X15	X16	X17	X18	X19	X21	X22
0.74662151	0.48933634	0.75261181	0.92093607	0.60423411	0.74734304	0.35346297	0.58433166

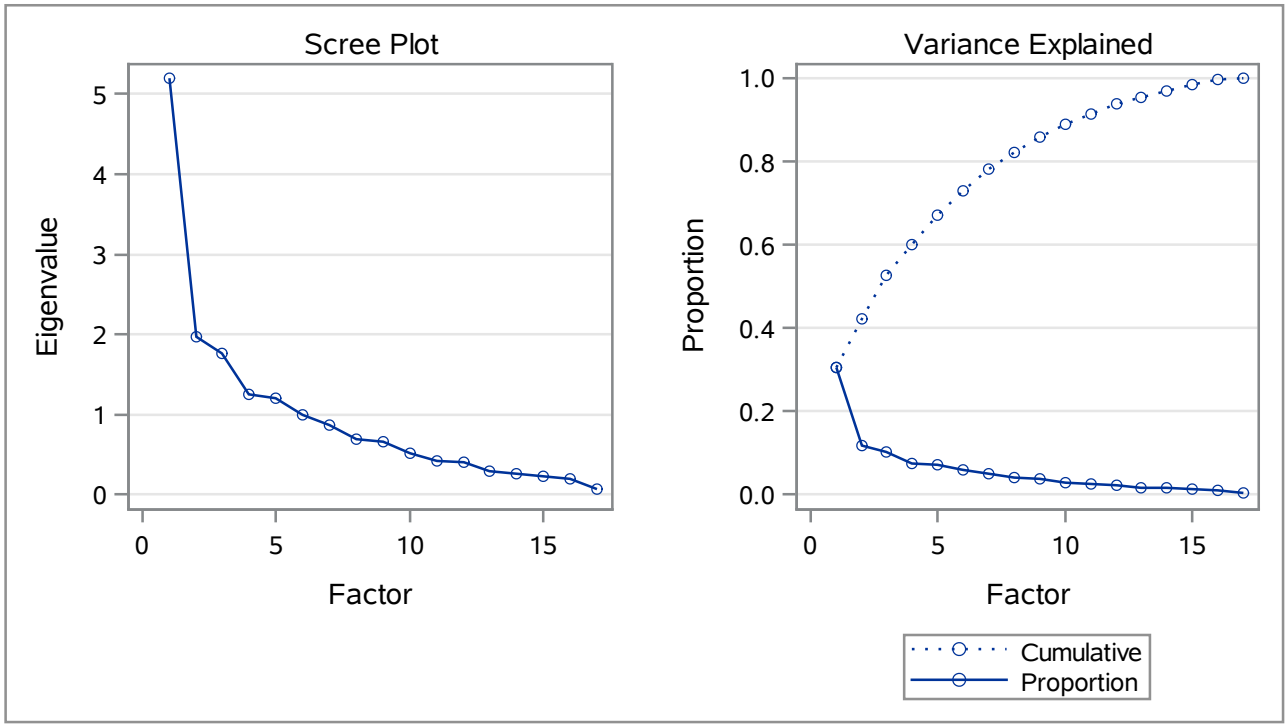
Prior Communality Estimates: ONE

Eigenvalues of the Correlation Matrix: Total = 17 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
1	5.20012197	3.22324040	0.3059	0.3059
2	1.97688157	0.21715971	0.1163	0.4222
3	1.75972186	0.50097767	0.1035	0.5257
4	1.25874419	0.05725606	0.0740	0.5997
5	1.20148813	0.19951173	0.0707	0.6704
6	1.00197640	0.13655134	0.0589	0.7293

The FACTOR Procedure
Initial Factor Method: Principal Components

Eigenvalues of the Correlation Matrix: Total = 17 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
7	0.86542507	0.17596708	0.0509	0.7803
8	0.68945799	0.03512170	0.0406	0.8208
9	0.65433629	0.14312493	0.0385	0.8593
10	0.51121136	0.08332392	0.0301	0.8894
11	0.42788744	0.02980257	0.0252	0.9145
12	0.39808488	0.11003927	0.0234	0.9380
13	0.28804560	0.01980107	0.0169	0.9549
14	0.26824453	0.03782294	0.0158	0.9707
15	0.23042159	0.03424090	0.0136	0.9842
16	0.19618069	0.12441026	0.0115	0.9958
17	0.07177043		0.0042	1.0000

7 factors will be retained by the NFACTOR criterion.



The FACTOR Procedure
Initial Factor Method: Principal Components

Factor Pattern

		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
X13	X13 - sqft_above	0.90635	0.07873	0.01071	-0.02168	0.08025	0.03005	-0.02007
X7	X7- sqft_living	0.88975	0.20757	0.15257	-0.14872	0.11416	0.01724	-0.03314
X12	X12 - grade	0.83869	0.20913	-0.00359	0.05261	0.05785	-0.08162	0.07413
X6	X6 - bathrooms	0.82671	0.17469	-0.09019	-0.02920	0.04178	0.03967	-0.15037
X17	X17 - sqft_living15	0.80996	0.08578	0.12784	-0.13025	0.01713	-0.04989	0.19696
X9	X9 - floors	0.55699	0.13847	-0.36395	0.38065	-0.01109	-0.00881	-0.17817
X5	X5 - bedrooms	0.55269	0.17217	0.02320	-0.41767	0.20123	0.13235	-0.26725
X19	X19 - age_of_house	-0.59249	0.28500	0.47435	-0.23271	0.19998	0.16323	0.06906
X14	X14 - zipcode	-0.37783	0.57687	0.12235	0.35872	0.27823	-0.14700	-0.25726
X16	X16 - long	0.44417	-0.60717	-0.08968	-0.12851	-0.14471	0.09707	0.40137
X18	X18 - sqft_lot15	0.25608	-0.53176	0.59809	0.28510	0.23214	-0.05531	-0.08553
X8	X8 - sqft_lot	0.24039	-0.51841	0.59776	0.30126	0.24762	-0.05271	-0.12472
X10	X10 - view	0.24458	0.37952	0.51041	0.06626	-0.44802	-0.17217	0.02173
X11	X11 - condition	-0.20931	0.06181	0.36060	-0.66098	0.11715	-0.21096	-0.03815
X22	X22 - waterfront_present	0.10044	0.26414	0.39439	0.14275	-0.65596	-0.13884	0.11108
X21	X21 - renovated	-0.00058	0.24208	0.26390	0.13815	-0.04644	0.88740	0.08648
X15	X15 - lat	-0.01527	0.43217	0.00713	0.20999	0.48536	-0.16747	0.64590

Variance Explained by Each Factor

Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
5.2001220	1.9768816	1.7597219	1.2587442	1.2014881	1.0019764	0.8654251

Final Communality Estimates: Total = 13.264359

X5	X6	X7	X8	X9	X10	X11	X12	X13
0.63952521	0.74888493	0.89457078	0.85426427	0.63871724	0.69959481	0.67424004	0.76541884	0.83599808

X14	X15	X16	X17	X18	X19	X21	X22
0.78438852	0.91195504	0.78196445	0.73827543	0.85160392	0.78282763	0.94444249	0.71768753

The FACTOR Procedure
Initial Factor Method: Principal Components

Scoring Coefficients Estimated by Regression

Squared Multiple Correlations of the Variables with Each Factor						
Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000

Standardized Scoring Coefficients								
		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
X13	X13 - sqft_above	0.17429	0.03982	0.00609	-0.01722	0.06679	0.02999	-0.02319
X7	X7- sqft_living	0.17110	0.10500	0.08670	-0.11815	0.09502	0.01720	-0.03829
X12	X12 - grade	0.16128	0.10579	-0.00204	0.04180	0.04815	-0.08146	0.08565
X6	X6 - bathrooms	0.15898	0.08837	-0.05125	-0.02320	0.03477	0.03959	-0.17375
X17	X17 - sqft_living15	0.15576	0.04339	0.07265	-0.10347	0.01426	-0.04979	0.22759
X9	X9 - floors	0.10711	0.07005	-0.20682	0.30241	-0.00923	-0.00879	-0.20588
X5	X5 - bedrooms	0.10628	0.08709	0.01318	-0.33181	0.16748	0.13209	-0.30881
X19	X19 - age_of_house	-0.11394	0.14417	0.26956	-0.18487	0.16644	0.16290	0.07980
X14	X14 - zipcode	-0.07266	0.29181	0.06953	0.28498	0.23157	-0.14671	-0.29727
X16	X16 - long	0.08541	-0.30714	-0.05096	-0.10209	-0.12044	0.09688	0.46379
X18	X18 - sqft_lot15	0.04925	-0.26899	0.33988	0.22650	0.19321	-0.05520	-0.09883
X8	X8 - sqft_lot	0.04623	-0.26224	0.33969	0.23934	0.20609	-0.05261	-0.14411
X10	X10 - view	0.04703	0.19198	0.29005	0.05264	-0.37289	-0.17183	0.02511
X11	X11 - condition	-0.04025	0.03127	0.20492	-0.52511	0.09750	-0.21055	-0.04409
X22	X22 - waterfront_present	0.01932	0.13362	0.22412	0.11341	-0.54596	-0.13857	0.12836
X21	X21 - renovated	-0.00011	0.12245	0.14997	0.10975	-0.03865	0.88565	0.09993
X15	X15 - lat	-0.00294	0.21861	0.00405	0.16682	0.40396	-0.16714	0.74634

The FACTOR Procedure

Input Data Type	Raw Data
Number of Records Read	21614
Number of Records Used	21613
N for Significance Tests	21613

Means and Standard Deviations from 21613 Observations		
Variable	**Mean**	**Std Dev**
X5	3.371	0.930
X6	2.115	0.770
X7	2079.900	918.441
X8	15106.968	41420.512
X9	1.494	0.540
X10	0.234	0.766
X11	3.409	0.651
X12	7.657	1.175
X13	1788.391	828.091
X14	98077.940	53.505
X15	47.560	0.139
X16	-122.214	0.141
X17	1986.552	685.391
X18	12768.456	27304.180
X19	43.995	29.373
X21	0.042	0.201
X22	0.008	0.087

The FACTOR Procedure

Correlations										
		X5	X6	X7	X8	X9	X10	X11	X12	X13
X5	X5 - bedrooms	1.00000	0.51588	0.57667	0.03170	0.17543	0.07953	0.02847	0.35697	0.47760
X6	X6 - bathrooms	0.51588	1.00000	0.75467	0.08774	0.50065	0.18774	-0.12498	0.66498	0.68534
X7	X7- sqft_living	0.57667	0.75467	1.00000	0.17283	0.35395	0.28461	-0.05875	0.76270	0.87660
X8	X8 - sqft_lot	0.03170	0.08774	0.17283	1.00000	-0.00520	0.07471	-0.00896	0.11362	0.18351
X9	X9 - floors	0.17543	0.50065	0.35395	-0.00520	1.00000	0.02944	-0.26377	0.45818	0.52388
X10	X10 - view	0.07953	0.18774	0.28461	0.07471	0.02944	1.00000	0.04599	0.25132	0.16765
X11	X11 - condition	0.02847	-0.12498	-0.05875	-0.00896	-0.26377	0.04599	1.00000	-0.14467	-0.15821
X12	X12 - grade	0.35697	0.66498	0.76270	0.11362	0.45818	0.25132	-0.14467	1.00000	0.75592
X13	X13 - sqft_above	0.47760	0.68534	0.87660	0.18351	0.52388	0.16765	-0.15821	0.75592	1.00000
X14	X14 - zipcode	-0.15267	-0.20387	-0.19943	-0.12957	-0.05912	0.08483	0.00303	-0.18486	-0.26119
X15	X15 - lat	-0.00893	0.02457	0.05253	-0.08568	0.04961	0.00616	-0.01494	0.11408	-0.00082
X16	X16 - long	0.12947	0.22304	0.24022	0.22952	0.12542	-0.07840	-0.10650	0.19837	0.34380
X17	X17 - sqft_living15	0.39164	0.56863	0.75642	0.14461	0.27989	0.28044	-0.09282	0.71320	0.73187
X18	X18 - sqft_lot15	0.02924	0.08718	0.18329	0.71856	-0.01127	0.07257	-0.00341	0.11925	0.19405
X19	X19 - age_of_house	-0.15418	-0.50602	-0.31805	-0.05308	-0.48932	0.05344	0.36142	-0.44696	-0.42390
X21	X21 - renovated	0.01855	0.05026	0.05509	0.00775	0.00626	0.10406	-0.06014	0.01401	0.02318
X22	X22 - waterfront_present	-0.00658	0.06374	0.10382	0.02160	0.02370	0.40186	0.01665	0.08277	0.07207

The FACTOR Procedure

Correlations									
		X14	**X15**	**X16**	**X17**	**X18**	**X19**	**X21**	**X22**
X5	X5 - bedrooms	-0.15267	-0.00893	0.12947	0.39164	0.02924	-0.15418	0.01855	-0.00658
X6	X6 - bathrooms	-0.20387	0.02457	0.22304	0.56863	0.08718	-0.50602	0.05026	0.06374
X7	X7- sqft_living	-0.19943	0.05253	0.24022	0.75642	0.18329	-0.31805	0.05509	0.10382
X8	X8 - sqft_lot	-0.12957	-0.08568	0.22952	0.14461	0.71856	-0.05308	0.00775	0.02160
X9	X9 - floors	-0.05912	0.04961	0.12542	0.27989	-0.01127	-0.48932	0.00626	0.02370
X10	X10 - view	0.08483	0.00616	-0.07840	0.28044	0.07257	0.05344	0.10406	0.40186
X11	X11 - condition	0.00303	-0.01494	-0.10650	-0.09282	-0.00341	0.36142	-0.06014	0.01665
X12	X12 - grade	-0.18486	0.11408	0.19837	0.71320	0.11925	-0.44696	0.01401	0.08277
X13	X13 - sqft_above	-0.26119	-0.00082	0.34380	0.73187	0.19405	-0.42390	0.02318	0.07207
X14	X14 - zipcode	1.00000	0.26705	-0.56407	-0.27903	-0.14722	0.34687	0.06434	0.03028
X15	X15 - lat	0.26705	1.00000	-0.13551	0.04886	-0.08642	0.14812	0.02935	-0.01427
X16	X16 - long	-0.56407	-0.13551	1.00000	0.33460	0.25445	-0.40936	-0.06838	-0.04191
X17	X17 - sqft_living15	-0.27903	0.04886	0.33460	1.00000	0.18319	-0.32623	-0.00276	0.08646
X18	X18 - sqft_lot15	-0.14722	-0.08642	0.25445	0.18319	1.00000	-0.07096	0.00792	0.03070
X19	X19 - age_of_house	0.34687	0.14812	-0.40936	-0.32623	-0.07096	1.00000	0.22519	0.02616
X21	X21 - renovated	0.06434	0.02935	-0.06838	-0.00276	0.00792	0.22519	1.00000	0.09329
X22	X22 - waterfront_present	0.03028	-0.01427	-0.04191	0.08646	0.03070	0.02616	0.09329	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Partial Correlations Controlling all other Variables										
		X5	**X6**	**X7**	**X8**	**X9**	**X10**	**X11**	**X12**	**X13**
X5	X5 - bedrooms	1.00000	0.19602	0.26580	-0.02648	-0.02724	-0.07410	0.03533	-0.12924	-0.00918
X6	X6 - bathrooms	0.19602	1.00000	0.41598	0.00907	0.26000	0.01899	0.06685	0.07928	-0.15468
X7	X7- sqft_living	0.26580	0.41598	1.00000	0.02072	-0.30596	0.15098	0.06150	0.18558	0.64820
X8	X8 - sqft_lot	-0.02648	0.00907	0.02072	1.00000	-0.02201	0.03396	-0.01883	0.02008	0.03129
X9	X9 - floors	-0.02724	0.26000	-0.30596	-0.02201	1.00000	0.02390	-0.05655	0.08806	0.44250
X10	X10 - view	-0.07410	0.01899	0.15098	0.03396	0.02390	1.00000	0.01604	0.08366	-0.16437
X11	X11 - condition	0.03533	0.06685	0.06150	-0.01883	-0.05655	0.01604	1.00000	0.02627	-0.08067
X12	X12 - grade	-0.12924	0.07928	0.18558	0.02008	0.08806	0.08366	0.02627	1.00000	0.14350
X13	X13 - sqft_above	-0.00918	-0.15468	0.64820	0.03129	0.44250	-0.16437	-0.08067	0.14350	1.00000
X14	X14 - zipcode	-0.04835	-0.01771	0.04449	0.00140	0.09339	0.09109	-0.11191	-0.03497	-0.02248
X15	X15 - lat	-0.03637	0.02057	0.05268	-0.03387	0.08282	-0.09102	-0.05240	0.16471	-0.11616
X16	X16 - long	-0.01001	-0.02184	-0.07714	0.06796	-0.08561	-0.04418	0.00463	-0.15767	0.17345
X17	X17 - sqft_living15	-0.01136	-0.02921	0.19250	-0.06549	-0.11134	0.15746	-0.03925	0.28567	0.14370
X18	X18 - sqft_lot15	-0.04546	-0.02671	0.02875	0.68867	-0.03505	0.00428	0.01728	-0.02660	0.01667
X19	X19 - age_of_house	0.06715	-0.32781	0.11102	0.04366	-0.21779	0.08115	0.32209	-0.22159	0.01474
X21	X21 - renovated	-0.03308	0.13199	0.00906	-0.01368	0.05318	0.03142	-0.17189	0.03560	-0.00860
X22	X22 - waterfront_present	-0.04482	-0.00489	0.00238	-0.01717	0.00336	0.37471	0.01037	-0.02427	0.03633

The FACTOR Procedure
Initial Factor Method: Principal Components

Partial Correlations Controlling all other Variables									
		X14	X15	X16	X17	X18	X19	X21	X22
X5	X5 - bedrooms	-0.04835	-0.03637	-0.01001	-0.01136	-0.04546	0.06715	-0.03308	-0.04482
X6	X6 - bathrooms	-0.01771	0.02057	-0.02184	-0.02921	-0.02671	-0.32781	0.13199	-0.00489
X7	X7- sqft_living	0.04449	0.05268	-0.07714	0.19250	0.02875	0.11102	0.00906	0.00238
X8	X8 - sqft_lot	0.00140	-0.03387	0.06796	-0.06549	0.68867	0.04366	-0.01368	-0.01717
X9	X9 - floors	0.09339	0.08282	-0.08561	-0.11134	-0.03505	-0.21779	0.05318	0.00336
X10	X10 - view	0.09109	-0.09102	-0.04418	0.15746	0.00428	0.08115	0.03142	0.37471
X11	X11 - condition	-0.11191	-0.05240	0.00463	-0.03925	0.01728	0.32209	-0.17189	0.01037
X12	X12 - grade	-0.03497	0.16471	-0.15767	0.28567	-0.02660	-0.22159	0.03560	-0.02427
X13	X13 - sqft_above	-0.02248	-0.11616	0.17345	0.14370	0.01667	0.01474	-0.00860	0.03633
X14	X14 - zipcode	1.00000	0.21994	-0.42134	-0.09445	0.00823	0.12782	-0.02672	-0.01593
X15	X15 - lat	0.21994	1.00000	0.06873	0.05056	-0.02309	0.18322	-0.03937	-0.00829
X16	X16 - long	-0.42134	0.06873	1.00000	0.15201	0.08148	-0.24002	0.03763	-0.01852
X17	X17 - sqft_living15	-0.09445	0.05056	0.15201	1.00000	0.04979	0.02880	-0.05334	-0.02874
X18	X18 - sqft_lot15	0.00823	-0.02309	0.08148	0.04979	1.00000	-0.01479	0.01414	0.01152
X19	X19 - age_of_house	0.12782	0.18322	-0.24002	0.02880	-0.01479	1.00000	0.31925	-0.01243
X21	X21 - renovated	-0.02672	-0.03937	0.03763	-0.05334	0.01414	0.31925	1.00000	0.05595
X22	X22 - waterfront_present	-0.01593	-0.00829	-0.01852	-0.02874	0.01152	-0.01243	0.05595	1.00000

Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.79048367								
X5	**X6**	**X7**	**X8**	**X9**	**X10**	**X11**	**X12**	**X13**
0.89140240	0.86122788	0.79013249	0.59042454	0.74033340	0.65909269	0.63088784	0.91032533	0.81447869

Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.79048367							
X14	**X15**	**X16**	**X17**	**X18**	**X19**	**X21**	**X22**
0.74662151	0.48933634	0.75261181	0.92093607	0.60423411	0.74734304	0.35346297	0.58433166

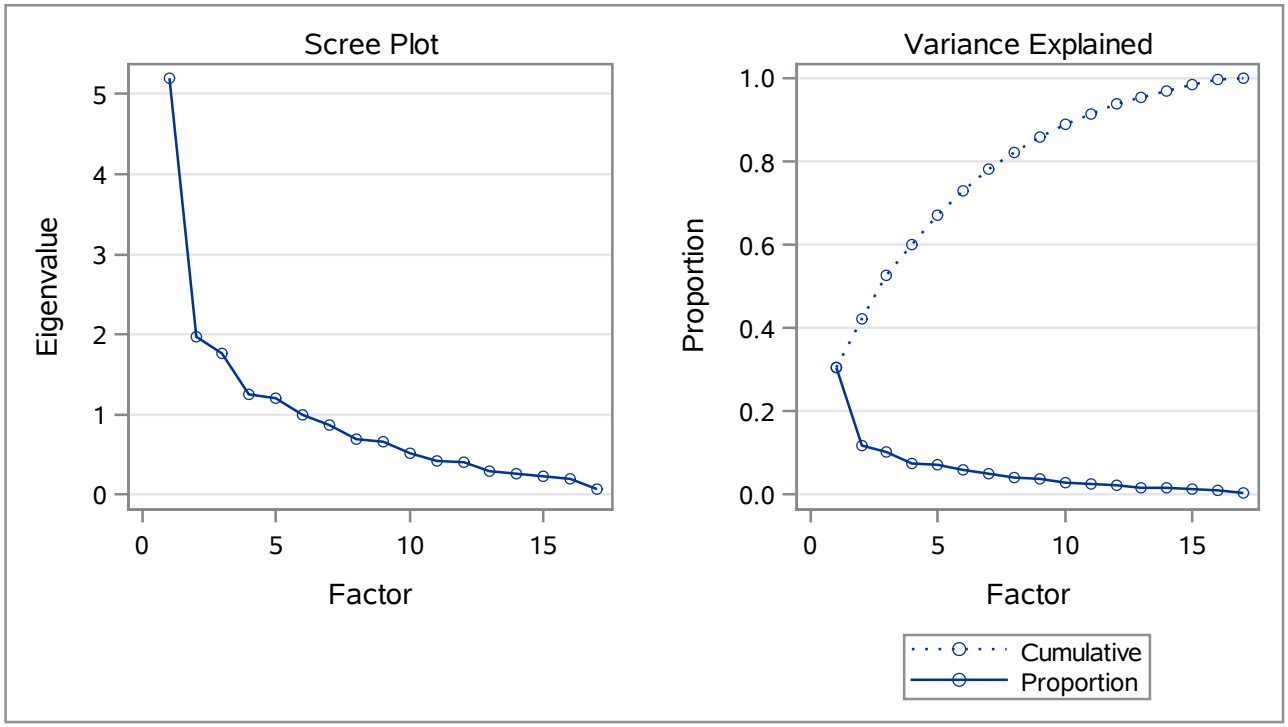
Prior Communality Estimates: ONE

Eigenvalues of the Correlation Matrix: Total = 17 Average = 1				
	Eigenvalue	**Difference**	**Proportion**	**Cumulative**
1	5.20012197	3.22324040	0.3059	0.3059
2	1.97688157	0.21715971	0.1163	0.4222
3	1.75972186	0.50097767	0.1035	0.5257
4	1.25874419	0.05725606	0.0740	0.5997
5	1.20148813	0.19951173	0.0707	0.6704
6	1.00197640	0.13655134	0.0589	0.7293

The FACTOR Procedure
Initial Factor Method: Principal Components

Eigenvalues of the Correlation Matrix: Total = 17 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
7	0.86542507	0.17596708	0.0509	0.7803
8	0.68945799	0.03512170	0.0406	0.8208
9	0.65433629	0.14312493	0.0385	0.8593
10	0.51121136	0.08332392	0.0301	0.8894
11	0.42788744	0.02980257	0.0252	0.9145
12	0.39808488	0.11003927	0.0234	0.9380
13	0.28804560	0.01980107	0.0169	0.9549
14	0.26824453	0.03782294	0.0158	0.9707
15	0.23042159	0.03424090	0.0136	0.9842
16	0.19618069	0.12441026	0.0115	0.9958
17	0.07177043		0.0042	1.0000

7 factors will be retained by the NFACTOR criterion.



The FACTOR Procedure
Initial Factor Method: Principal Components

Factor Pattern

		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
X13	X13 - sqft_above	0.90635	0.07873	0.01071	-0.02168	0.08025	0.03005	-0.02007
X7	X7- sqft_living	0.88975	0.20757	0.15257	-0.14872	0.11416	0.01724	-0.03314
X12	X12 - grade	0.83869	0.20913	-0.00359	0.05261	0.05785	-0.08162	0.07413
X6	X6 - bathrooms	0.82671	0.17469	-0.09019	-0.02920	0.04178	0.03967	-0.15037
X17	X17 - sqft_living15	0.80996	0.08578	0.12784	-0.13025	0.01713	-0.04989	0.19696
X9	X9 - floors	0.55699	0.13847	-0.36395	0.38065	-0.01109	-0.00881	-0.17817
X5	X5 - bedrooms	0.55269	0.17217	0.02320	-0.41767	0.20123	0.13235	-0.26725
X19	X19 - age_of_house	-0.59249	0.28500	0.47435	-0.23271	0.19998	0.16323	0.06906
X14	X14 - zipcode	-0.37783	0.57687	0.12235	0.35872	0.27823	-0.14700	-0.25726
X16	X16 - long	0.44417	-0.60717	-0.08968	-0.12851	-0.14471	0.09707	0.40137
X18	X18 - sqft_lot15	0.25608	-0.53176	0.59809	0.28510	0.23214	-0.05531	-0.08553
X8	X8 - sqft_lot	0.24039	-0.51841	0.59776	0.30126	0.24762	-0.05271	-0.12472
X10	X10 - view	0.24458	0.37952	0.51041	0.06626	-0.44802	-0.17217	0.02173
X11	X11 - condition	-0.20931	0.06181	0.36060	-0.66098	0.11715	-0.21096	-0.03815
X22	X22 - waterfront_present	0.10044	0.26414	0.39439	0.14275	-0.65596	-0.13884	0.11108
X21	X21 - renovated	-0.00058	0.24208	0.26390	0.13815	-0.04644	0.88740	0.08648
X15	X15 - lat	-0.01527	0.43217	0.00713	0.20999	0.48536	-0.16747	0.64590

Variance Explained by Each Factor

Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
5.2001220	1.9768816	1.7597219	1.2587442	1.2014881	1.0019764	0.8654251

Final Communality Estimates: Total = 13.264359

X5	X6	X7	X8	X9	X10	X11	X12	X13
0.63952521	0.74888493	0.89457078	0.85426427	0.63871724	0.69959481	0.67424004	0.76541884	0.83599808

X14	X15	X16	X17	X18	X19	X21	X22
0.78438852	0.91195504	0.78196445	0.73827543	0.85160392	0.78282763	0.94444249	0.71768753

The FACTOR Procedure
Rotation Method: Varimax

Orthogonal Transformation Matrix							
	1	2	3	4	5	6	7
1	0.89397	0.16214	-0.28311	-0.28193	0.11403	-0.04286	-0.00757
2	0.28955	-0.53432	0.62983	0.07116	0.32041	0.18891	0.30094
3	0.03277	0.65197	0.13733	0.50166	0.49189	0.24396	0.04316
4	-0.23758	0.38037	0.29475	-0.78679	0.16147	0.09953	0.23872
5	0.20101	0.30862	0.31879	0.18688	-0.73569	-0.00854	0.43184
6	0.01663	-0.07707	-0.14188	-0.07921	-0.22812	0.93893	-0.18371
7	-0.13706	-0.13143	-0.54376	0.05966	0.15173	0.10670	0.79391

Rotated Factor Pattern								
		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
X7	X7- sqft_living	0.92362	0.11452	-0.09208	-0.02454	0.12605	0.03517	0.04664
X13	X13 - sqft_above	0.85792	0.12872	-0.17970	-0.21608	0.06141	0.00186	0.02532
X6	X6 - bathrooms	0.82328	0.00040	-0.05556	-0.24722	0.03857	-0.00650	-0.07317
X12	X12 - grade	0.79781	0.05632	-0.10100	-0.24307	0.15668	-0.06131	0.16781
X17	X17 - sqft_living15	0.75966	0.10255	-0.29067	-0.03674	0.19036	-0.02626	0.16704
X5	X5 - bedrooms	0.72321	-0.05909	0.02274	0.20786	-0.15663	0.06696	-0.20066
X8	X8 - sqft_lot	0.07880	0.91717	-0.06944	0.00119	0.01492	0.00267	-0.04252
X18	X18 - sqft_lot15	0.08429	0.91118	-0.11289	0.00835	0.02792	-0.00018	-0.02559
X14	X14 - zipcode	-0.16321	-0.02227	0.84227	-0.02499	0.04967	0.02288	0.21029
X16	X16 - long	0.16637	0.18420	-0.83651	-0.12310	-0.06354	-0.03321	0.01770
X11	X11 - condition	0.02490	-0.02585	0.04091	0.80068	0.02273	-0.16032	-0.06299
X19	X19 - age_of_house	-0.34287	0.01246	0.34683	0.63694	0.04563	0.33072	0.16637
X9	X9 - floors	0.45771	-0.05550	0.08633	-0.64126	-0.02654	-0.07581	-0.03201
X22	X22 - waterfront_present	-0.00410	-0.01977	-0.01565	-0.02895	0.84425	0.04311	-0.03975
X10	X10 - view	0.23362	0.06699	0.12920	0.09317	0.78343	0.03682	0.00561
X21	X21 - renovated	0.03897	0.00107	0.04185	-0.03273	0.07447	0.96672	0.00281
X15	X15 - lat	0.06808	-0.07107	0.16666	0.01593	-0.04673	0.01247	0.93376

Variance Explained by Each Factor						
Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
4.4595691	1.7665716	1.7416800	1.6967322	1.4515310	1.0905853	1.0576899

The FACTOR Procedure
Rotation Method: Varimax

Final Communality Estimates: Total = 13.264359								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.63952521	0.74888493	0.89457078	0.85426427	0.63871724	0.69959481	0.67424004	0.76541884	0.83599808

X14	X15	X16	X17	X18	X19	X21	X22
0.78438852	0.91195504	0.78196445	0.73827543	0.85160392	0.78282763	0.94444249	0.71768753

The FACTOR Procedure
Rotation Method: Varimax

Scoring Coefficients Estimated by Regression

Squared Multiple Correlations of the Variables with Each Factor						
Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000

Standardized Scoring Coefficients								
		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
X7	X7- sqft_living	0.23891	0.01626	0.04344	0.10979	-0.00291	0.03315	0.01332
X13	X13 - sqft_above	0.18874	0.02575	0.00115	-0.02098	-0.02665	0.02494	0.01174
X6	X6 - bathrooms	0.20300	-0.03316	0.09672	-0.05299	-0.04349	0.01340	-0.11256
X12	X12 - grade	0.16140	-0.00593	0.01334	-0.05129	0.05419	-0.05103	0.14426
X17	X17 - sqft_living15	0.14961	-0.01160	-0.14943	0.09722	0.08609	-0.01364	0.18630
X5	X5 - bedrooms	0.27768	-0.06482	0.13134	0.24632	-0.20727	0.07173	-0.25034
X8	X8 - sqft_lot	-0.02003	0.54672	0.09047	-0.01551	-0.03450	-0.01136	-0.02322
X18	X18 - sqft_lot15	-0.02507	0.53633	0.05324	-0.00614	-0.02136	-0.01149	0.00253
X14	X14 - zipcode	0.03896	0.10788	0.55419	-0.11093	-0.01657	-0.06788	0.05035
X16	X16 - long	-0.07616	0.00031	-0.55905	0.00631	0.00666	0.05720	0.17875
X11	X11 - condition	0.12668	-0.03725	-0.01062	0.56179	-0.00896	-0.19787	-0.06101
X19	X19 - age_of_house	0.01787	0.03824	0.09214	0.34603	-0.01156	0.23953	0.11705
X9	X9 - floors	0.06363	-0.01499	0.18477	-0.38021	-0.04069	-0.04186	-0.08229
X22	X22 - waterfront_present	-0.09328	-0.05369	-0.08129	-0.05613	0.62631	-0.02137	-0.03160
X10	X10 - view	0.01338	0.00904	0.05480	0.04991	0.53539	-0.04522	-0.02702
X21	X21 - renovated	0.00746	-0.01925	-0.06222	-0.07379	-0.02772	0.91320	-0.03053
X15	X15 - lat	-0.00270	-0.01173	-0.06509	0.02042	-0.04719	-0.02173	0.90349

The FACTOR Procedure

Input Data Type	Raw Data
Number of Records Read	21614
Number of Records Used	21613
N for Significance Tests	21613

Means and Standard Deviations from 21613 Observations		
Variable	**Mean**	**Std Dev**
X5	3.371	0.930
X6	2.115	0.770
X7	2079.900	918.441
X8	15106.968	41420.512
X9	1.494	0.540
X10	0.234	0.766
X11	3.409	0.651
X12	7.657	1.175
X13	1788.391	828.091
X14	98077.940	53.505
X15	47.560	0.139
X16	-122.214	0.141
X17	1986.552	685.391
X18	12768.456	27304.180
X19	43.995	29.373
X22	0.008	0.087

The FACTOR Procedure

Correlations										
		X5	X6	X7	X8	X9	X10	X11	X12	X13
X5	X5 - bedrooms	1.00000	0.51588	0.57667	0.03170	0.17543	0.07953	0.02847	0.35697	0.47760
X6	X6 - bathrooms	0.51588	1.00000	0.75467	0.08774	0.50065	0.18774	-0.12498	0.66498	0.68534
X7	X7- sqft_living	0.57667	0.75467	1.00000	0.17283	0.35395	0.28461	-0.05875	0.76270	0.87660
X8	X8 - sqft_lot	0.03170	0.08774	0.17283	1.00000	-0.00520	0.07471	-0.00896	0.11362	0.18351
X9	X9 - floors	0.17543	0.50065	0.35395	-0.00520	1.00000	0.02944	-0.26377	0.45818	0.52388
X10	X10 - view	0.07953	0.18774	0.28461	0.07471	0.02944	1.00000	0.04599	0.25132	0.16765
X11	X11 - condition	0.02847	-0.12498	-0.05875	-0.00896	-0.26377	0.04599	1.00000	-0.14467	-0.15821
X12	X12 - grade	0.35697	0.66498	0.76270	0.11362	0.45818	0.25132	-0.14467	1.00000	0.75592
X13	X13 - sqft_above	0.47760	0.68534	0.87660	0.18351	0.52388	0.16765	-0.15821	0.75592	1.00000
X14	X14 - zipcode	-0.15267	-0.20387	-0.19943	-0.12957	-0.05912	0.08483	0.00303	-0.18486	-0.26119
X15	X15 - lat	-0.00893	0.02457	0.05253	-0.08568	0.04961	0.00616	-0.01494	0.11408	-0.00082
X16	X16 - long	0.12947	0.22304	0.24022	0.22952	0.12542	-0.07840	-0.10650	0.19837	0.34380
X17	X17 - sqft_living15	0.39164	0.56863	0.75642	0.14461	0.27989	0.28044	-0.09282	0.71320	0.73187
X18	X18 - sqft_lot15	0.02924	0.08718	0.18329	0.71856	-0.01127	0.07257	-0.00341	0.11925	0.19405
X19	X19 - age_of_house	-0.15418	-0.50602	-0.31805	-0.05308	-0.48932	0.05344	0.36142	-0.44696	-0.42390
X22	X22 - waterfront_present	-0.00658	0.06374	0.10382	0.02160	0.02370	0.40186	0.01665	0.08277	0.07207

Correlations								
		X14	X15	X16	X17	X18	X19	X22
X5	X5 - bedrooms	-0.15267	-0.00893	0.12947	0.39164	0.02924	-0.15418	-0.00658
X6	X6 - bathrooms	-0.20387	0.02457	0.22304	0.56863	0.08718	-0.50602	0.06374
X7	X7- sqft_living	-0.19943	0.05253	0.24022	0.75642	0.18329	-0.31805	0.10382
X8	X8 - sqft_lot	-0.12957	-0.08568	0.22952	0.14461	0.71856	-0.05308	0.02160
X9	X9 - floors	-0.05912	0.04961	0.12542	0.27989	-0.01127	-0.48932	0.02370
X10	X10 - view	0.08483	0.00616	-0.07840	0.28044	0.07257	0.05344	0.40186
X11	X11 - condition	0.00303	-0.01494	-0.10650	-0.09282	-0.00341	0.36142	0.01665
X12	X12 - grade	-0.18486	0.11408	0.19837	0.71320	0.11925	-0.44696	0.08277
X13	X13 - sqft_above	-0.26119	-0.00082	0.34380	0.73187	0.19405	-0.42390	0.07207
X14	X14 - zipcode	1.00000	0.26705	-0.56407	-0.27903	-0.14722	0.34687	0.03028
X15	X15 - lat	0.26705	1.00000	-0.13551	0.04886	-0.08642	0.14812	-0.01427
X16	X16 - long	-0.56407	-0.13551	1.00000	0.33460	0.25445	-0.40936	-0.04191
X17	X17 - sqft_living15	-0.27903	0.04886	0.33460	1.00000	0.18319	-0.32623	0.08646
X18	X18 - sqft_lot15	-0.14722	-0.08642	0.25445	0.18319	1.00000	-0.07096	0.03070
X19	X19 - age_of_house	0.34687	0.14812	-0.40936	-0.32623	-0.07096	1.00000	0.02616
X22	X22 - waterfront_present	0.03028	-0.01427	-0.04191	0.08646	0.03070	0.02616	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Partial Correlations Controlling all other Variables									
		X5	X6	X7	X8	X9	X10	X11	X12	X13
X5	X5 - bedrooms	1.00000	0.19345	0.26566	-0.02605	-0.02906	-0.07522	0.04166	-0.13057	-0.00890
X6	X6 - bathrooms	0.19345	1.00000	0.42088	0.00733	0.26976	0.02335	0.04523	0.08477	-0.15720
X7	X7- sqft_living	0.26566	0.42088	1.00000	0.02060	-0.30592	0.15134	0.06085	0.18602	0.64817
X8	X8 - sqft_lot	-0.02605	0.00733	0.02060	1.00000	-0.02277	0.03355	-0.01673	0.01961	0.03141
X9	X9 - floors	-0.02906	0.26976	-0.30592	-0.02277	1.00000	0.02562	-0.06678	0.09014	0.44269
X10	X10 - view	-0.07522	0.02335	0.15134	0.03355	0.02562	1.00000	0.01081	0.08487	-0.16473
X11	X11 - condition	0.04166	0.04523	0.06085	-0.01673	-0.06678	0.01081	1.00000	0.02046	-0.08039
X12	X12 - grade	-0.13057	0.08477	0.18602	0.01961	0.09014	0.08487	0.02046	1.00000	0.14329
X13	X13 - sqft_above	-0.00890	-0.15720	0.64817	0.03141	0.44269	-0.16473	-0.08039	0.14329	1.00000
X14	X14 - zipcode	-0.04751	-0.02143	0.04427	0.00176	0.09213	0.09033	-0.10898	-0.03596	-0.02226
X15	X15 - lat	-0.03511	0.01552	0.05237	-0.03336	0.08090	-0.09238	-0.04635	0.16354	-0.11592
X16	X16 - long	-0.01127	-0.01703	-0.07685	0.06750	-0.08379	-0.04305	-0.00187	-0.15654	0.17326
X17	X17 - sqft_living15	-0.00962	-0.03662	0.19230	-0.06486	-0.11451	0.15608	-0.03058	0.28435	0.14437
X18	X18 - sqft_lot15	-0.04596	-0.02506	0.02889	0.68861	-0.03435	0.00473	0.01508	-0.02611	0.01655
X19	X19 - age_of_house	0.05975	-0.30411	0.12020	0.04146	-0.21220	0.09626	0.28624	-0.22197	0.01265
X22	X22 - waterfront_present	-0.04677	0.00252	0.00289	-0.01796	0.00636	0.37724	0.00076	-0.02233	0.03591

Partial Correlations Controlling all other Variables								
		X14	X15	X16	X17	X18	X19	X22
X5	X5 - bedrooms	-0.04751	-0.03511	-0.01127	-0.00962	-0.04596	0.05975	-0.04677
X6	X6 - bathrooms	-0.02143	0.01552	-0.01703	-0.03662	-0.02506	-0.30411	0.00252
X7	X7- sqft_living	0.04427	0.05237	-0.07685	0.19230	0.02889	0.12020	0.00289
X8	X8 - sqft_lot	0.00176	-0.03336	0.06750	-0.06486	0.68861	0.04146	-0.01796
X9	X9 - floors	0.09213	0.08090	-0.08379	-0.11451	-0.03435	-0.21220	0.00636
X10	X10 - view	0.09033	-0.09238	-0.04305	0.15608	0.00473	0.09626	0.37724
X11	X11 - condition	-0.10898	-0.04635	-0.00187	-0.03058	0.01508	0.28624	0.00076
X12	X12 - grade	-0.03596	0.16354	-0.15654	0.28435	-0.02611	-0.22197	-0.02233
X13	X13 - sqft_above	-0.02226	-0.11592	0.17326	0.14437	0.01655	0.01265	0.03591
X14	X14 - zipcode	1.00000	0.22124	-0.42279	-0.09319	0.00785	0.12592	-0.01746
X15	X15 - lat	0.22124	1.00000	0.06735	0.05277	-0.02367	0.18022	-0.01052
X16	X16 - long	-0.42279	0.06735	1.00000	0.15032	0.08208	-0.24077	-0.01645
X17	X17 - sqft_living15	-0.09319	0.05277	0.15032	1.00000	0.04911	0.01244	-0.03182
X18	X18 - sqft_lot15	0.00785	-0.02367	0.08208	0.04911	1.00000	-0.01085	0.01233
X19	X19 - age_of_house	0.12592	0.18022	-0.24077	0.01244	-0.01085	1.00000	0.00575
X22	X22 - waterfront_present	-0.01746	-0.01052	-0.01645	-0.03182	0.01233	0.00575	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.79963632								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.89268378	0.86781462	0.78884443	0.59076990	0.73958231	0.65068791	0.71277227	0.91060906	0.81429141

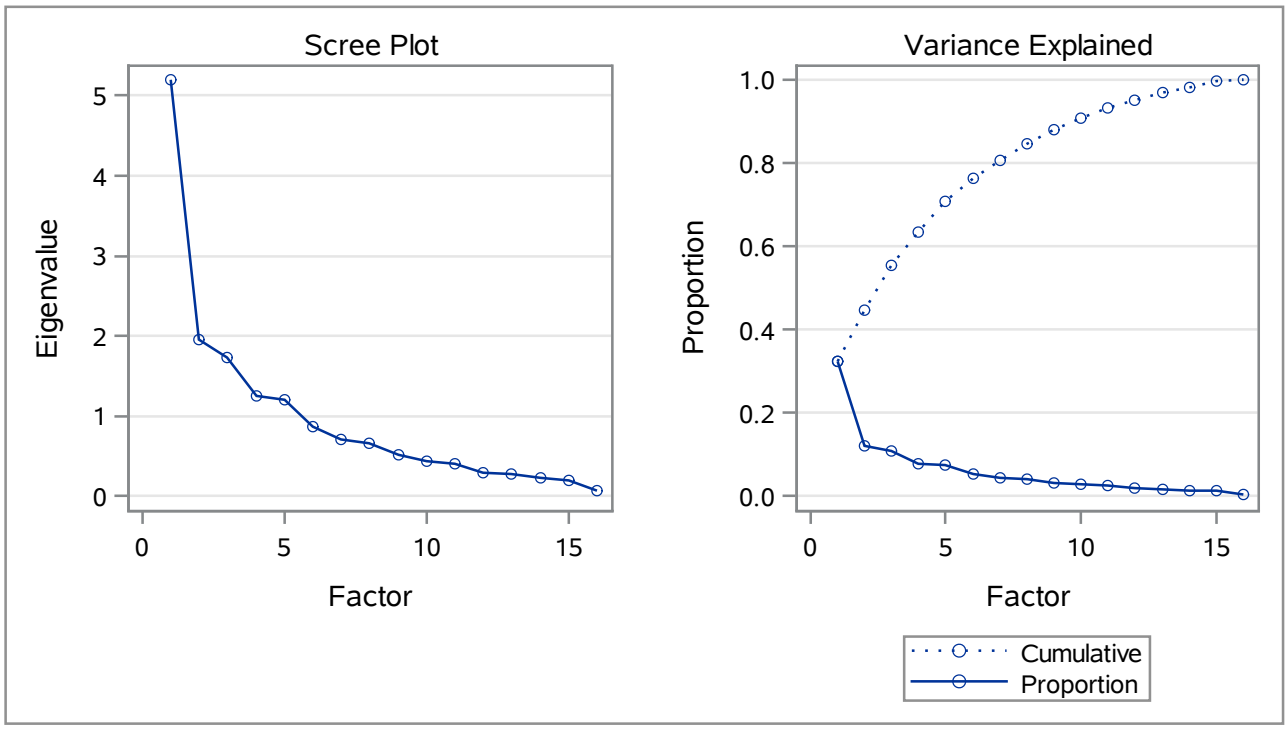
Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.79963632						
X14	X15	X16	X17	X18	X19	X22
0.74602267	0.49341313	0.75265300	0.92239693	0.60445311	0.79390788	0.57588242

Prior Communality Estimates: ONE

Eigenvalues of the Correlation Matrix: Total = 16 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
1	5.20012170	3.24904630	0.3250	0.3250
2	1.95107540	0.22688627	0.1219	0.4469
3	1.72418913	0.47016035	0.1078	0.5547
4	1.25402878	0.05301596	0.0784	0.6331
5	1.20101282	0.33403033	0.0751	0.7082
6	0.86698249	0.16236750	0.0542	0.7623
7	0.70461499	0.04796349	0.0440	0.8064
8	0.65665150	0.14304539	0.0410	0.8474
9	0.51360611	0.07205561	0.0321	0.8795
10	0.44155050	0.03411340	0.0276	0.9071
11	0.40743710	0.11006279	0.0255	0.9326
12	0.29737432	0.01993608	0.0186	0.9512
13	0.27743824	0.04698719	0.0173	0.9685
14	0.23045104	0.02875656	0.0144	0.9829
15	0.20169448	0.12992308	0.0126	0.9955
16	0.07177140		0.0045	1.0000

7 factors will be retained by the NFACTOR criterion.

The FACTOR Procedure
Initial Factor Method: Principal Components



Factor Pattern								
		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
X13	X13 - sqft_above	0.90635	0.07518	0.01913	-0.02087	0.08150	-0.02382	0.01543
X7	X7- sqft_living	0.88976	0.18627	0.18253	-0.13979	0.11659	-0.03688	-0.08375
X12	X12 - grade	0.83869	0.21096	0.03063	0.06406	0.05275	0.08405	0.05830
X6	X6 - bathrooms	0.82672	0.18171	-0.07125	-0.03204	0.04410	-0.15209	0.09214
X17	X17 - sqft_living15	0.80996	0.07308	0.14821	-0.12014	0.01735	0.19955	-0.14340
X9	X9 - floors	0.55699	0.17945	-0.35545	0.37179	-0.01891	-0.17080	0.43894
X5	X5 - bedrooms	0.55269	0.17018	0.05254	-0.41625	0.21467	-0.28434	-0.26667
X19	X19 - age_of_house	-0.59246	0.20678	0.49157	-0.23007	0.20879	0.04437	-0.12756
X14	X14 - zipcode	-0.37782	0.56055	0.20830	0.39231	0.25928	-0.24302	-0.02288
X16	X16 - long	0.44415	-0.59525	-0.18123	-0.15463	-0.13360	0.39016	-0.01969
X8	X8 - sqft_lot	0.24039	-0.59542	0.51984	0.31802	0.23601	-0.11974	0.04110
X18	X18 - sqft_lot15	0.25608	-0.60871	0.51844	0.30124	0.22102	-0.08026	0.03791
X10	X10 - view	0.24460	0.31227	0.56683	0.08625	-0.46058	0.03531	-0.10354
X11	X11 - condition	-0.20931	0.03497	0.40795	-0.62620	0.12364	-0.00065	0.59604
X22	X22 - waterfront_present	0.10046	0.20915	0.42774	0.14816	-0.66750	0.12063	0.10446
X15	X15 - lat	-0.01526	0.43344	0.07649	0.24257	0.47235	0.65968	0.06267

The FACTOR Procedure
Initial Factor Method: Principal Components

Variance Explained by Each Factor						
Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
5.2001217	1.9510754	1.7241891	1.2540288	1.2010128	0.8669825	0.7046150

Final Communality Estimates: Total = 12.902025								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.70849692	0.75615165	0.90119988	0.85542064	0.82921532	0.71017297	0.97414140	0.76619675	0.83537747

X14	X15	X16	X17	X18	X19	X22
0.78106887	0.91501443	0.77881155	0.75846127	0.85236000	0.75016577	0.72977042

The FACTOR Procedure
Initial Factor Method: Principal Components

Scoring Coefficients Estimated by Regression

Squared Multiple Correlations of the Variables with Each Factor						
Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000

Standardized Scoring Coefficients								
		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
X13	X13 - sqft_above	0.17429	0.03853	0.01109	-0.01665	0.06786	-0.02747	0.02189
X7	X7- sqft_living	0.17110	0.09547	0.10587	-0.11148	0.09707	-0.04254	-0.11885
X12	X12 - grade	0.16128	0.10813	0.01777	0.05108	0.04392	0.09694	0.08274
X6	X6 - bathrooms	0.15898	0.09314	-0.04132	-0.02555	0.03672	-0.17543	0.13076
X17	X17 - sqft_living15	0.15576	0.03746	0.08596	-0.09580	0.01445	0.23017	-0.20352
X9	X9 - floors	0.10711	0.09197	-0.20616	0.29648	-0.01574	-0.19700	0.62296
X5	X5 - bedrooms	0.10628	0.08722	0.03047	-0.33193	0.17874	-0.32797	-0.37846
X19	X19 - age_of_house	-0.11393	0.10598	0.28510	-0.18347	0.17385	0.05117	-0.18103
X14	X14 - zipcode	-0.07266	0.28730	0.12081	0.31284	0.21589	-0.28031	-0.03247
X16	X16 - long	0.08541	-0.30509	-0.10511	-0.12330	-0.11124	0.45002	-0.02794
X8	X8 - sqft_lot	0.04623	-0.30518	0.30150	0.25360	0.19651	-0.13811	0.05833
X18	X18 - sqft_lot15	0.04925	-0.31199	0.30069	0.24022	0.18403	-0.09258	0.05380
X10	X10 - view	0.04704	0.16005	0.32875	0.06878	-0.38349	0.04072	-0.14695
X11	X11 - condition	-0.04025	0.01792	0.23661	-0.49935	0.10295	-0.00075	0.84590
X22	X22 - waterfront_present	0.01932	0.10720	0.24808	0.11815	-0.55578	0.13914	0.14826
X15	X15 - lat	-0.00293	0.22215	0.04436	0.19343	0.39329	0.76090	0.08894

The FACTOR Procedure

Input Data Type	Raw Data
Number of Records Read	21614
Number of Records Used	21613
N for Significance Tests	21613

Means and Standard Deviations from 21613 Observations		
Variable	**Mean**	**Std Dev**
X5	3.371	0.930
X6	2.115	0.770
X7	2079.900	918.441
X8	15106.968	41420.512
X9	1.494	0.540
X10	0.234	0.766
X11	3.409	0.651
X12	7.657	1.175
X13	1788.391	828.091
X14	98077.940	53.505
X15	47.560	0.139
X16	-122.214	0.141
X17	1986.552	685.391
X18	12768.456	27304.180
X19	43.995	29.373
X22	0.008	0.087

The FACTOR Procedure

Correlations										
		X5	X6	X7	X8	X9	X10	X11	X12	X13
X5	X5 - bedrooms	1.00000	0.51588	0.57667	0.03170	0.17543	0.07953	0.02847	0.35697	0.47760
X6	X6 - bathrooms	0.51588	1.00000	0.75467	0.08774	0.50065	0.18774	-0.12498	0.66498	0.68534
X7	X7- sqft_living	0.57667	0.75467	1.00000	0.17283	0.35395	0.28461	-0.05875	0.76270	0.87660
X8	X8 - sqft_lot	0.03170	0.08774	0.17283	1.00000	-0.00520	0.07471	-0.00896	0.11362	0.18351
X9	X9 - floors	0.17543	0.50065	0.35395	-0.00520	1.00000	0.02944	-0.26377	0.45818	0.52388
X10	X10 - view	0.07953	0.18774	0.28461	0.07471	0.02944	1.00000	0.04599	0.25132	0.16765
X11	X11 - condition	0.02847	-0.12498	-0.05875	-0.00896	-0.26377	0.04599	1.00000	-0.14467	-0.15821
X12	X12 - grade	0.35697	0.66498	0.76270	0.11362	0.45818	0.25132	-0.14467	1.00000	0.75592
X13	X13 - sqft_above	0.47760	0.68534	0.87660	0.18351	0.52388	0.16765	-0.15821	0.75592	1.00000
X14	X14 - zipcode	-0.15267	-0.20387	-0.19943	-0.12957	-0.05912	0.08483	0.00303	-0.18486	-0.26119
X15	X15 - lat	-0.00893	0.02457	0.05253	-0.08568	0.04961	0.00616	-0.01494	0.11408	-0.00082
X16	X16 - long	0.12947	0.22304	0.24022	0.22952	0.12542	-0.07840	-0.10650	0.19837	0.34380
X17	X17 - sqft_living15	0.39164	0.56863	0.75642	0.14461	0.27989	0.28044	-0.09282	0.71320	0.73187
X18	X18 - sqft_lot15	0.02924	0.08718	0.18329	0.71856	-0.01127	0.07257	-0.00341	0.11925	0.19405
X19	X19 - age_of_house	-0.15418	-0.50602	-0.31805	-0.05308	-0.48932	0.05344	0.36142	-0.44696	-0.42390
X22	X22 - waterfront_present	-0.00658	0.06374	0.10382	0.02160	0.02370	0.40186	0.01665	0.08277	0.07207

Correlations								
		X14	X15	X16	X17	X18	X19	X22
X5	X5 - bedrooms	-0.15267	-0.00893	0.12947	0.39164	0.02924	-0.15418	-0.00658
X6	X6 - bathrooms	-0.20387	0.02457	0.22304	0.56863	0.08718	-0.50602	0.06374
X7	X7- sqft_living	-0.19943	0.05253	0.24022	0.75642	0.18329	-0.31805	0.10382
X8	X8 - sqft_lot	-0.12957	-0.08568	0.22952	0.14461	0.71856	-0.05308	0.02160
X9	X9 - floors	-0.05912	0.04961	0.12542	0.27989	-0.01127	-0.48932	0.02370
X10	X10 - view	0.08483	0.00616	-0.07840	0.28044	0.07257	0.05344	0.40186
X11	X11 - condition	0.00303	-0.01494	-0.10650	-0.09282	-0.00341	0.36142	0.01665
X12	X12 - grade	-0.18486	0.11408	0.19837	0.71320	0.11925	-0.44696	0.08277
X13	X13 - sqft_above	-0.26119	-0.00082	0.34380	0.73187	0.19405	-0.42390	0.07207
X14	X14 - zipcode	1.00000	0.26705	-0.56407	-0.27903	-0.14722	0.34687	0.03028
X15	X15 - lat	0.26705	1.00000	-0.13551	0.04886	-0.08642	0.14812	-0.01427
X16	X16 - long	-0.56407	-0.13551	1.00000	0.33460	0.25445	-0.40936	-0.04191
X17	X17 - sqft_living15	-0.27903	0.04886	0.33460	1.00000	0.18319	-0.32623	0.08646
X18	X18 - sqft_lot15	-0.14722	-0.08642	0.25445	0.18319	1.00000	-0.07096	0.03070
X19	X19 - age_of_house	0.34687	0.14812	-0.40936	-0.32623	-0.07096	1.00000	0.02616
X22	X22 - waterfront_present	0.03028	-0.01427	-0.04191	0.08646	0.03070	0.02616	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Partial Correlations Controlling all other Variables									
		X5	X6	X7	X8	X9	X10	X11	X12	X13
X5	X5 - bedrooms	1.00000	0.19345	0.26566	-0.02605	-0.02906	-0.07522	0.04166	-0.13057	-0.00890
X6	X6 - bathrooms	0.19345	1.00000	0.42088	0.00733	0.26976	0.02335	0.04523	0.08477	-0.15720
X7	X7- sqft_living	0.26566	0.42088	1.00000	0.02060	-0.30592	0.15134	0.06085	0.18602	0.64817
X8	X8 - sqft_lot	-0.02605	0.00733	0.02060	1.00000	-0.02277	0.03355	-0.01673	0.01961	0.03141
X9	X9 - floors	-0.02906	0.26976	-0.30592	-0.02277	1.00000	0.02562	-0.06678	0.09014	0.44269
X10	X10 - view	-0.07522	0.02335	0.15134	0.03355	0.02562	1.00000	0.01081	0.08487	-0.16473
X11	X11 - condition	0.04166	0.04523	0.06085	-0.01673	-0.06678	0.01081	1.00000	0.02046	-0.08039
X12	X12 - grade	-0.13057	0.08477	0.18602	0.01961	0.09014	0.08487	0.02046	1.00000	0.14329
X13	X13 - sqft_above	-0.00890	-0.15720	0.64817	0.03141	0.44269	-0.16473	-0.08039	0.14329	1.00000
X14	X14 - zipcode	-0.04751	-0.02143	0.04427	0.00176	0.09213	0.09033	-0.10898	-0.03596	-0.02226
X15	X15 - lat	-0.03511	0.01552	0.05237	-0.03336	0.08090	-0.09238	-0.04635	0.16354	-0.11592
X16	X16 - long	-0.01127	-0.01703	-0.07685	0.06750	-0.08379	-0.04305	-0.00187	-0.15654	0.17326
X17	X17 - sqft_living15	-0.00962	-0.03662	0.19230	-0.06486	-0.11451	0.15608	-0.03058	0.28435	0.14437
X18	X18 - sqft_lot15	-0.04596	-0.02506	0.02889	0.68861	-0.03435	0.00473	0.01508	-0.02611	0.01655
X19	X19 - age_of_house	0.05975	-0.30411	0.12020	0.04146	-0.21220	0.09626	0.28624	-0.22197	0.01265
X22	X22 - waterfront_present	-0.04677	0.00252	0.00289	-0.01796	0.00636	0.37724	0.00076	-0.02233	0.03591

Partial Correlations Controlling all other Variables								
		X14	X15	X16	X17	X18	X19	X22
X5	X5 - bedrooms	-0.04751	-0.03511	-0.01127	-0.00962	-0.04596	0.05975	-0.04677
X6	X6 - bathrooms	-0.02143	0.01552	-0.01703	-0.03662	-0.02506	-0.30411	0.00252
X7	X7- sqft_living	0.04427	0.05237	-0.07685	0.19230	0.02889	0.12020	0.00289
X8	X8 - sqft_lot	0.00176	-0.03336	0.06750	-0.06486	0.68861	0.04146	-0.01796
X9	X9 - floors	0.09213	0.08090	-0.08379	-0.11451	-0.03435	-0.21220	0.00636
X10	X10 - view	0.09033	-0.09238	-0.04305	0.15608	0.00473	0.09626	0.37724
X11	X11 - condition	-0.10898	-0.04635	-0.00187	-0.03058	0.01508	0.28624	0.00076
X12	X12 - grade	-0.03596	0.16354	-0.15654	0.28435	-0.02611	-0.22197	-0.02233
X13	X13 - sqft_above	-0.02226	-0.11592	0.17326	0.14437	0.01655	0.01265	0.03591
X14	X14 - zipcode	1.00000	0.22124	-0.42279	-0.09319	0.00785	0.12592	-0.01746
X15	X15 - lat	0.22124	1.00000	0.06735	0.05277	-0.02367	0.18022	-0.01052
X16	X16 - long	-0.42279	0.06735	1.00000	0.15032	0.08208	-0.24077	-0.01645
X17	X17 - sqft_living15	-0.09319	0.05277	0.15032	1.00000	0.04911	0.01244	-0.03182
X18	X18 - sqft_lot15	0.00785	-0.02367	0.08208	0.04911	1.00000	-0.01085	0.01233
X19	X19 - age_of_house	0.12592	0.18022	-0.24077	0.01244	-0.01085	1.00000	0.00575
X22	X22 - waterfront_present	-0.01746	-0.01052	-0.01645	-0.03182	0.01233	0.00575	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.79963632								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.89268378	0.86781462	0.78884443	0.59076990	0.73958231	0.65068791	0.71277227	0.91060906	0.81429141

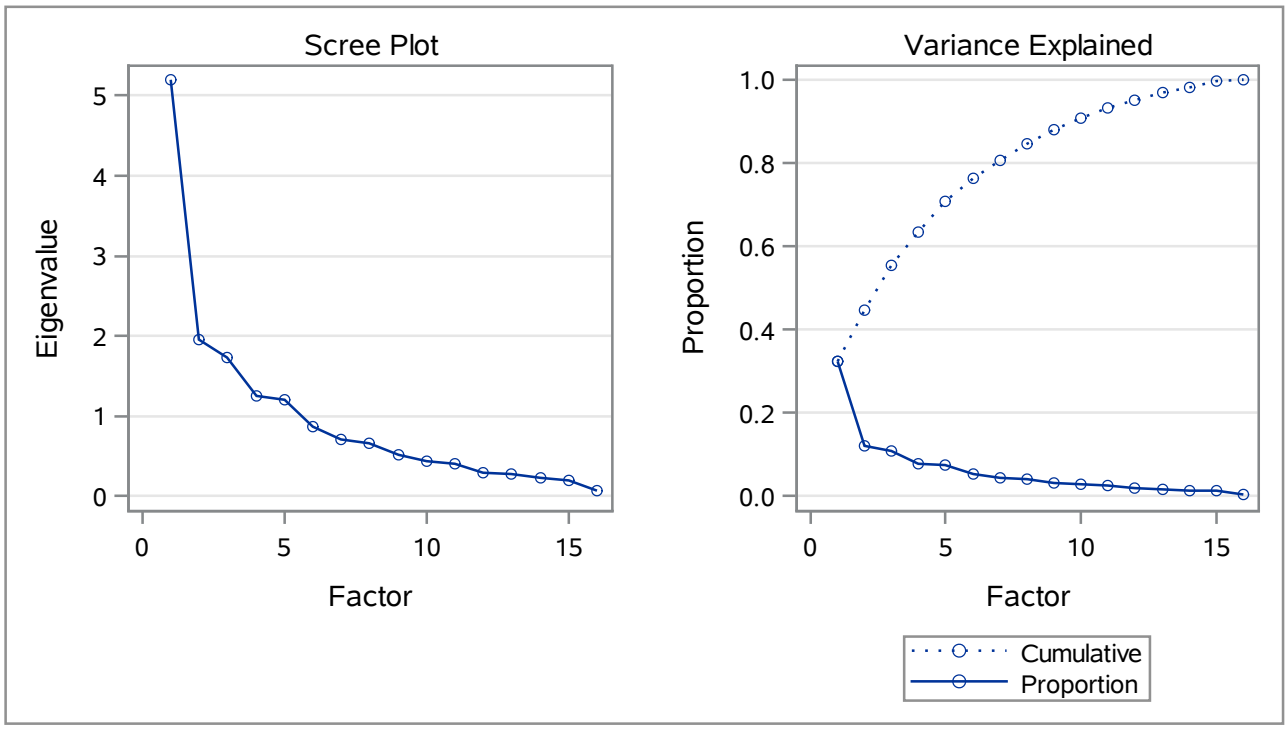
Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.79963632						
X14	X15	X16	X17	X18	X19	X22
0.74602267	0.49341313	0.75265300	0.92239693	0.60445311	0.79390788	0.57588242

Prior Communality Estimates: ONE

Eigenvalues of the Correlation Matrix: Total = 16 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
1	5.20012170	3.24904630	0.3250	0.3250
2	1.95107540	0.22688627	0.1219	0.4469
3	1.72418913	0.47016035	0.1078	0.5547
4	1.25402878	0.05301596	0.0784	0.6331
5	1.20101282	0.33403033	0.0751	0.7082
6	0.86698249	0.16236750	0.0542	0.7623
7	0.70461499	0.04796349	0.0440	0.8064
8	0.65665150	0.14304539	0.0410	0.8474
9	0.51360611	0.07205561	0.0321	0.8795
10	0.44155050	0.03411340	0.0276	0.9071
11	0.40743710	0.11006279	0.0255	0.9326
12	0.29737432	0.01993608	0.0186	0.9512
13	0.27743824	0.04698719	0.0173	0.9685
14	0.23045104	0.02875656	0.0144	0.9829
15	0.20169448	0.12992308	0.0126	0.9955
16	0.07177140		0.0045	1.0000

7 factors will be retained by the NFACTOR criterion.

The FACTOR Procedure
Initial Factor Method: Principal Components



Factor Pattern

		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
X13	X13 - sqft_above	0.90635	0.07518	0.01913	-0.02087	0.08150	-0.02382	0.01543
X7	X7- sqft_living	0.88976	0.18627	0.18253	-0.13979	0.11659	-0.03688	-0.08375
X12	X12 - grade	0.83869	0.21096	0.03063	0.06406	0.05275	0.08405	0.05830
X6	X6 - bathrooms	0.82672	0.18171	-0.07125	-0.03204	0.04410	-0.15209	0.09214
X17	X17 - sqft_living15	0.80996	0.07308	0.14821	-0.12014	0.01735	0.19955	-0.14340
X9	X9 - floors	0.55699	0.17945	-0.35545	0.37179	-0.01891	-0.17080	0.43894
X5	X5 - bedrooms	0.55269	0.17018	0.05254	-0.41625	0.21467	-0.28434	-0.26667
X19	X19 - age_of_house	-0.59246	0.20678	0.49157	-0.23007	0.20879	0.04437	-0.12756
X14	X14 - zipcode	-0.37782	0.56055	0.20830	0.39231	0.25928	-0.24302	-0.02288
X16	X16 - long	0.44415	-0.59525	-0.18123	-0.15463	-0.13360	0.39016	-0.01969
X8	X8 - sqft_lot	0.24039	-0.59542	0.51984	0.31802	0.23601	-0.11974	0.04110
X18	X18 - sqft_lot15	0.25608	-0.60871	0.51844	0.30124	0.22102	-0.08026	0.03791
X10	X10 - view	0.24460	0.31227	0.56683	0.08625	-0.46058	0.03531	-0.10354
X11	X11 - condition	-0.20931	0.03497	0.40795	-0.62620	0.12364	-0.00065	0.59604
X22	X22 - waterfront_present	0.10046	0.20915	0.42774	0.14816	-0.66750	0.12063	0.10446
X15	X15 - lat	-0.01526	0.43344	0.07649	0.24257	0.47235	0.65968	0.06267

The FACTOR Procedure
Initial Factor Method: Principal Components

Variance Explained by Each Factor						
Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
5.2001217	1.9510754	1.7241891	1.2540288	1.2010128	0.8669825	0.7046150

Final Communality Estimates: Total = 12.902025								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.70849692	0.75615165	0.90119988	0.85542064	0.82921532	0.71017297	0.97414140	0.76619675	0.83537747

X14	X15	X16	X17	X18	X19	X22
0.78106887	0.91501443	0.77881155	0.75846127	0.85236000	0.75016577	0.72977042

The FACTOR Procedure
Rotation Method: Varimax

Orthogonal Transformation Matrix							
	1	2	3	4	5	6	7
1	0.85045	-0.29590	0.16734	0.36575	0.11676	-0.11722	0.00607
2	0.27990	0.61563	-0.61485	0.05396	0.25998	0.04195	0.30389
3	0.13029	0.25345	0.56945	-0.42593	0.54253	0.33419	0.08407
4	-0.27474	0.31745	0.40341	0.46386	0.17496	-0.58295	0.27459
5	0.22235	0.30576	0.29317	-0.12829	-0.75103	0.13299	0.41585
6	-0.11888	-0.52411	-0.12798	-0.16251	0.16852	-0.01998	0.79975
7	-0.20584	-0.01573	0.06791	0.65105	0.03722	0.71756	0.11234

Rotated Factor Pattern								
		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
X7	X7- sqft_living	0.91857	-0.09043	0.11513	0.12940	0.13000	0.00216	0.04854
X13	X13 - sqft_above	0.81785	-0.18653	0.13591	0.32118	0.06745	-0.06214	0.04080
X5	X5 - bedrooms	0.77530	0.04126	-0.06892	-0.15907	-0.15461	0.04545	-0.22289
X17	X17 - sqft_living15	0.77125	-0.29227	0.09635	0.05332	0.18822	-0.07689	0.15730
X6	X6 - bathrooms	0.76238	-0.06924	0.01177	0.40670	0.04419	-0.01939	-0.04750
X12	X12 - grade	0.74844	-0.11903	0.06259	0.35233	0.15731	-0.06939	0.18506
X14	X14 - zipcode	-0.15381	0.84123	-0.02544	-0.02335	0.04672	-0.06837	0.20419
X16	X16 - long	0.15795	-0.83793	0.18430	0.07671	-0.06290	-0.08715	0.01837
X8	X8 - sqft_lot	0.07638	-0.07071	0.91795	-0.00217	0.01505	-0.00155	-0.04146
X18	X18 - sqft_lot15	0.08307	-0.11444	0.91151	-0.01091	0.02752	0.00030	-0.02515
X9	X9 - floors	0.30121	0.05043	-0.02343	0.85321	-0.01435	-0.07742	0.03497
X19	X19 - age_of_house	-0.25131	0.39675	0.00770	-0.63867	0.05694	0.31187	0.14537
X22	X22 - waterfront_present	-0.02526	-0.01448	-0.01247	0.06860	0.84962	0.03735	-0.02856
X10	X10 - view	0.26028	0.13321	0.05993	-0.10917	0.78036	-0.01268	-0.00721
X11	X11 - condition	-0.03815	0.01684	-0.00003	-0.16660	0.02563	0.97153	-0.01044
X15	X15 - lat	0.06536	0.16544	-0.06934	-0.02926	-0.04641	-0.00126	0.93571

Variance Explained by Each Factor						
Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
4.1392904	1.7825122	1.7670810	1.6252583	1.4516701	1.0779980	1.0582153

The FACTOR Procedure
Rotation Method: Varimax

Final Communality Estimates: Total = 12.902025								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.70849692	0.75615165	0.90119988	0.85542064	0.82921532	0.71017297	0.97414140	0.76619675	0.83537747

X14	X15	X16	X17	X18	X19	X22
0.78106887	0.91501443	0.77881155	0.75846127	0.85236000	0.75016577	0.72977042

The FACTOR Procedure
Rotation Method: Varimax

Scoring Coefficients Estimated by Regression

Squared Multiple Correlations of the Variables with Each Factor						
Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000

Standardized Scoring Coefficients								
		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
X7	X7- sqft_living	0.26776	0.05343	0.01108	-0.11199	-0.00177	0.01279	0.00134
X13	X13 - sqft_above	0.17888	0.00448	0.02997	0.06339	-0.02130	0.01988	0.01784
X5	X5 - bedrooms	0.36660	0.15709	-0.08372	-0.33939	-0.21005	-0.04636	-0.29190
X17	X17 - sqft_living15	0.19821	-0.14467	-0.02571	-0.19382	0.07816	-0.08082	0.16047
X6	X6 - bathrooms	0.16501	0.09282	-0.02240	0.17785	-0.03639	0.08858	-0.09156
X12	X12 - grade	0.13692	0.00088	-0.00268	0.11343	0.05194	0.02507	0.15444
X14	X14 - zipcode	0.03642	0.54174	0.10315	0.07930	-0.02410	-0.11042	0.04488
X16	X16 - long	-0.06505	-0.54831	0.00018	-0.07470	0.01041	-0.02989	0.17562
X8	X8 - sqft_lot	-0.02839	0.08692	0.54862	0.02486	-0.03468	0.00544	-0.01966
X18	X18 - sqft_lot15	-0.03142	0.04977	0.53765	0.01099	-0.02201	0.00652	0.00526
X9	X9 - floors	-0.09979	0.15543	0.02648	0.70908	-0.02175	0.19843	-0.00144
X19	X19 - age_of_house	0.09016	0.14216	0.03623	-0.39096	0.00815	0.11223	0.09799
X22	X22 - waterfront_present	-0.12434	-0.08453	-0.04442	0.10720	0.63176	0.04595	-0.01720
X10	X10 - view	0.04888	0.05348	-0.00320	-0.13538	0.52690	-0.08629	-0.04797
X11	X11 - condition	-0.01234	-0.05704	0.00326	0.19148	-0.00500	0.99634	0.02522
X15	X15 - lat	-0.00899	-0.06965	-0.00983	-0.03446	-0.04852	0.01265	0.90640

The FACTOR Procedure

Input Data Type	Raw Data
Number of Records Read	21614
Number of Records Used	21613
N for Significance Tests	21613

Means and Standard Deviations from 21613 Observations		
Variable	**Mean**	**Std Dev**
X5	3.371	0.930
X6	2.115	0.770
X7	2079.900	918.441
X8	15106.968	41420.512
X9	1.494	0.540
X10	0.234	0.766
X11	3.409	0.651
X12	7.657	1.175
X13	1788.391	828.091
X14	98077.940	53.505
X16	-122.214	0.141
X17	1986.552	685.391
X18	12768.456	27304.180
X19	43.995	29.373
X22	0.008	0.087

The FACTOR Procedure

Correlations										
		X5	X6	X7	X8	X9	X10	X11	X12	X13
X5	X5 - bedrooms	1.00000	0.51588	0.57667	0.03170	0.17543	0.07953	0.02847	0.35697	0.47760
X6	X6 - bathrooms	0.51588	1.00000	0.75467	0.08774	0.50065	0.18774	-0.12498	0.66498	0.68534
X7	X7- sqft_living	0.57667	0.75467	1.00000	0.17283	0.35395	0.28461	-0.05875	0.76270	0.87660
X8	X8 - sqft_lot	0.03170	0.08774	0.17283	1.00000	-0.00520	0.07471	-0.00896	0.11362	0.18351
X9	X9 - floors	0.17543	0.50065	0.35395	-0.00520	1.00000	0.02944	-0.26377	0.45818	0.52388
X10	X10 - view	0.07953	0.18774	0.28461	0.07471	0.02944	1.00000	0.04599	0.25132	0.16765
X11	X11 - condition	0.02847	-0.12498	-0.05875	-0.00896	-0.26377	0.04599	1.00000	-0.14467	-0.15821
X12	X12 - grade	0.35697	0.66498	0.76270	0.11362	0.45818	0.25132	-0.14467	1.00000	0.75592
X13	X13 - sqft_above	0.47760	0.68534	0.87660	0.18351	0.52388	0.16765	-0.15821	0.75592	1.00000
X14	X14 - zipcode	-0.15267	-0.20387	-0.19943	-0.12957	-0.05912	0.08483	0.00303	-0.18486	-0.26119
X16	X16 - long	0.12947	0.22304	0.24022	0.22952	0.12542	-0.07840	-0.10650	0.19837	0.34380
X17	X17 - sqft_living15	0.39164	0.56863	0.75642	0.14461	0.27989	0.28044	-0.09282	0.71320	0.73187
X18	X18 - sqft_lot15	0.02924	0.08718	0.18329	0.71856	-0.01127	0.07257	-0.00341	0.11925	0.19405
X19	X19 - age_of_house	-0.15418	-0.50602	-0.31805	-0.05308	-0.48932	0.05344	0.36142	-0.44696	-0.42390
X22	X22 - waterfront_present	-0.00658	0.06374	0.10382	0.02160	0.02370	0.40186	0.01665	0.08277	0.07207

Correlations							
		X14	X16	X17	X18	X19	X22
X5	X5 - bedrooms	-0.15267	0.12947	0.39164	0.02924	-0.15418	-0.00658
X6	X6 - bathrooms	-0.20387	0.22304	0.56863	0.08718	-0.50602	0.06374
X7	X7- sqft_living	-0.19943	0.24022	0.75642	0.18329	-0.31805	0.10382
X8	X8 - sqft_lot	-0.12957	0.22952	0.14461	0.71856	-0.05308	0.02160
X9	X9 - floors	-0.05912	0.12542	0.27989	-0.01127	-0.48932	0.02370
X10	X10 - view	0.08483	-0.07840	0.28044	0.07257	0.05344	0.40186
X11	X11 - condition	0.00303	-0.10650	-0.09282	-0.00341	0.36142	0.01665
X12	X12 - grade	-0.18486	0.19837	0.71320	0.11925	-0.44696	0.08277
X13	X13 - sqft_above	-0.26119	0.34380	0.73187	0.19405	-0.42390	0.07207
X14	X14 - zipcode	1.00000	-0.56407	-0.27903	-0.14722	0.34687	0.03028
X16	X16 - long	-0.56407	1.00000	0.33460	0.25445	-0.40936	-0.04191
X17	X17 - sqft_living15	-0.27903	0.33460	1.00000	0.18319	-0.32623	0.08646
X18	X18 - sqft_lot15	-0.14722	0.25445	0.18319	1.00000	-0.07096	0.03070
X19	X19 - age_of_house	0.34687	-0.40936	-0.32623	-0.07096	1.00000	0.02616
X22	X22 - waterfront_present	0.03028	-0.04191	0.08646	0.03070	0.02616	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Partial Correlations Controlling all other Variables										
		X5	X6	X7	X8	X9	X10	X11	X12	X13
X5	X5 - bedrooms	1.00000	0.19305	0.26434	-0.02491	-0.03203	-0.07233	0.04336	-0.13826	-0.00487
X6	X6 - bathrooms	0.19305	1.00000	0.42232	0.00682	0.27194	0.02201	0.04456	0.08851	-0.16009
X7	X7- sqft_living	0.26434	0.42232	1.00000	0.01889	-0.30309	0.14734	0.05857	0.19751	0.64735
X8	X8 - sqft_lot	-0.02491	0.00682	0.01889	1.00000	-0.02557	0.03681	-0.01521	0.01435	0.03554
X9	X9 - floors	-0.03203	0.27194	-0.30309	-0.02557	1.00000	0.01828	-0.07084	0.10512	0.43769
X10	X10 - view	-0.07233	0.02201	0.14734	0.03681	0.01828	1.00000	0.01517	0.07102	-0.15573
X11	X11 - condition	0.04336	0.04456	0.05857	-0.01521	-0.07084	0.01517	1.00000	0.01307	-0.07561
X12	X12 - grade	-0.13826	0.08851	0.19751	0.01435	0.10512	0.07102	0.01307	1.00000	0.12689
X13	X13 - sqft_above	-0.00487	-0.16009	0.64735	0.03554	0.43769	-0.15573	-0.07561	0.12689	1.00000
X14	X14 - zipcode	-0.05672	-0.01846	0.05735	-0.00576	0.11320	0.07197	-0.12240	0.00023	-0.04945
X16	X16 - long	-0.01368	-0.01603	-0.07360	0.06544	-0.07878	-0.04960	-0.00501	-0.14785	0.16695
X17	X17 - sqft_living15	-0.01149	-0.03585	0.19560	-0.06675	-0.11075	0.15207	-0.03311	0.29740	0.13939
X18	X18 - sqft_lot15	-0.04517	-0.02544	0.02769	0.68998	-0.03640	0.00694	0.01620	-0.03040	0.01943
X19	X19 - age_of_house	0.05435	-0.30636	0.13198	0.03606	-0.20157	0.08128	0.28281	-0.19837	-0.00843
X22	X22 - waterfront_present	-0.04643	0.00236	0.00235	-0.01762	0.00552	0.37986	0.00125	-0.02438	0.03738

Partial Correlations Controlling all other Variables							
		X14	X16	X17	X18	X19	X22
X5	X5 - bedrooms	-0.05672	-0.01368	-0.01149	-0.04517	0.05435	-0.04643
X6	X6 - bathrooms	-0.01846	-0.01603	-0.03585	-0.02544	-0.30636	0.00236
X7	X7- sqft_living	0.05735	-0.07360	0.19560	0.02769	0.13198	0.00235
X8	X8 - sqft_lot	-0.00576	0.06544	-0.06675	0.68998	0.03606	-0.01762
X9	X9 - floors	0.11320	-0.07878	-0.11075	-0.03640	-0.20157	0.00552
X10	X10 - view	0.07197	-0.04960	0.15207	0.00694	0.08128	0.37986
X11	X11 - condition	-0.12240	-0.00501	-0.03311	0.01620	0.28281	0.00125
X12	X12 - grade	0.00023	-0.14785	0.29740	-0.03040	-0.19837	-0.02438
X13	X13 - sqft_above	-0.04945	0.16695	0.13939	0.01943	-0.00843	0.03738
X14	X14 - zipcode	1.00000	-0.41921	-0.08370	0.00269	0.17283	-0.02029
X16	X16 - long	-0.41921	1.00000	0.15444	0.08069	-0.23297	-0.01720
X17	X17 - sqft_living15	-0.08370	0.15444	1.00000	0.04794	0.02235	-0.03243
X18	X18 - sqft_lot15	0.00269	0.08069	0.04794	1.00000	-0.01537	0.01258
X19	X19 - age_of_house	0.17283	-0.23297	0.02235	-0.01537	1.00000	0.00392
X22	X22 - waterfront_present	-0.02029	-0.01720	-0.03243	0.01258	0.00392	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.80622482								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.89260714	0.86651872	0.78816440	0.58793925	0.74328176	0.66818651	0.71496805	0.91898995	0.81974500

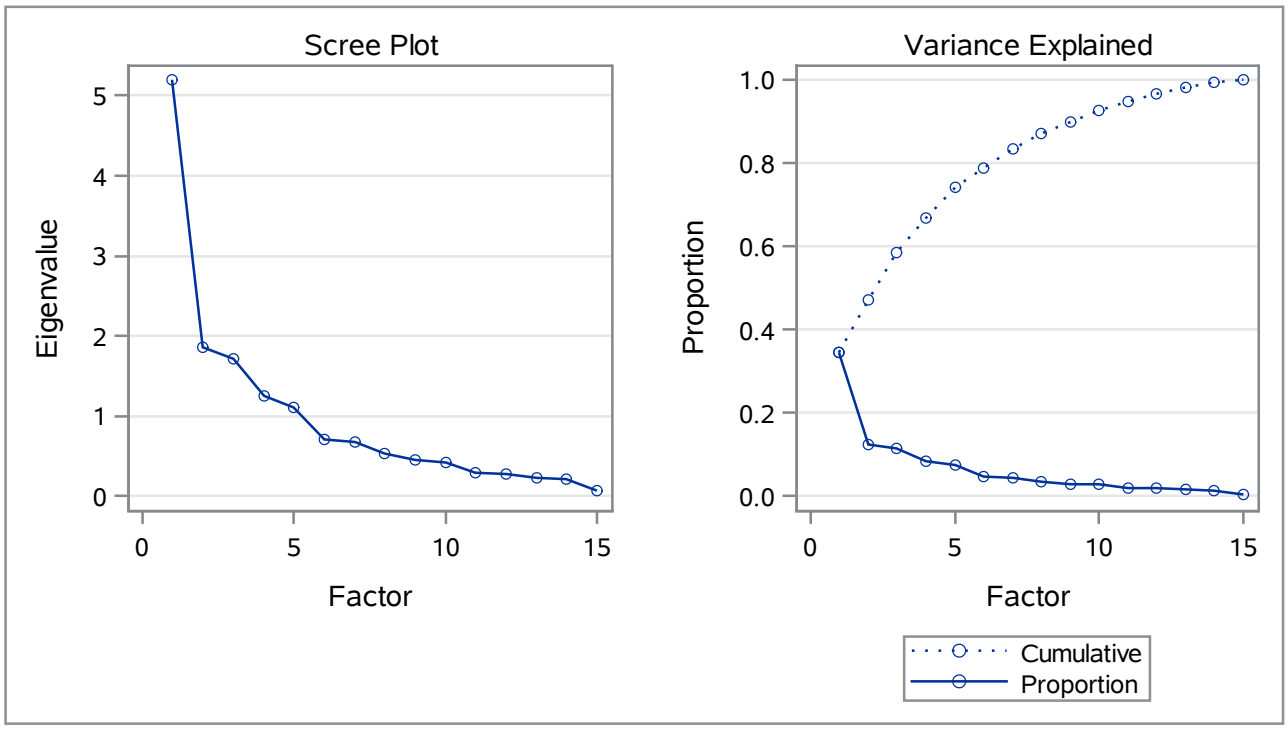
Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.80622482					
X14	X16	X17	X18	X19	X22
0.75181548	0.75811315	0.92141290	0.60132967	0.80713900	0.57207714

Prior Communality Estimates: ONE

Eigenvalues of the Correlation Matrix: Total = 15 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
1	5.19993535	3.34318846	0.3467	0.3467
2	1.85674688	0.13694733	0.1238	0.4704
3	1.71979955	0.47416752	0.1147	0.5851
4	1.24563203	0.13912580	0.0830	0.6681
5	1.10650622	0.39894103	0.0738	0.7419
6	0.70756519	0.02665486	0.0472	0.7891
7	0.68091033	0.14835142	0.0454	0.8345
8	0.53255891	0.08669377	0.0355	0.8700
9	0.44586514	0.03159942	0.0297	0.8997
10	0.41426572	0.11653955	0.0276	0.9273
11	0.29772617	0.02028703	0.0198	0.9472
12	0.27743914	0.04698560	0.0185	0.9657
13	0.23045355	0.01813263	0.0154	0.9810
14	0.21232092	0.14004602	0.0142	0.9952
15	0.07227490		0.0048	1.0000

6 factors will be retained by the NFACTOR criterion.

The FACTOR Procedure
Initial Factor Method: Principal Components



Factor Pattern

		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6
X13	X13 - sqft_above	0.90643	0.06875	0.02619	0.04277	0.09218	-0.00266
X7	X7- sqft_living	0.89004	0.16067	0.20167	0.16306	0.10402	-0.08968
X12	X12 - grade	0.83916	0.18440	0.04746	-0.04453	0.06166	-0.01225
X6	X6 - bathrooms	0.82688	0.19196	-0.04877	0.03611	0.09370	0.13927
X17	X17 - sqft_living15	0.81017	0.04708	0.15317	0.12290	-0.06952	-0.22939
X9	X9 - floors	0.55722	0.20405	-0.33815	-0.36385	0.15597	0.45917
X5	X5 - bedrooms	0.55274	0.18151	0.07819	0.44980	0.17332	-0.11131
X19	X19 - age_of_house	-0.59193	0.13169	0.50642	0.28039	0.13611	-0.15320
X16	X16 - long	0.44352	-0.57365	-0.24861	0.13384	-0.38839	-0.05789
X8	X8 - sqft_lot	0.23999	-0.68878	0.43410	-0.21320	0.28987	0.06707
X18	X18 - sqft_lot15	0.25567	-0.70173	0.43130	-0.20058	0.25646	0.05337
X10	X10 - view	0.24473	0.29072	0.61517	-0.24666	-0.33363	-0.12906
X11	X11 - condition	-0.20936	0.01351	0.41877	0.62818	-0.06899	0.56760
X14	X14 - zipcode	-0.37677	0.48642	0.25449	-0.30692	0.50256	-0.01832
X22	X22 - waterfront_present	0.10046	0.20974	0.46754	-0.36366	-0.57237	0.17549

Variance Explained by Each Factor

Factor1	Factor2	Factor3	Factor4	Factor5	Factor6
5.1999353	1.8567469	1.7197996	1.2456320	1.1065062	0.7075652

The FACTOR Procedure
Initial Factor Method: Principal Components

Final Communality Estimates: Total = 11.836185								
X5	**X6**	**X7**	**X8**	**X9**	**X10**	**X11**	**X12**	**X13**
0.58932966	0.75244615	0.90410329	0.85442653	0.83402169	0.71165084	0.94092366	0.74637246	0.83736214

X14	**X16**	**X17**	**X18**	**X19**	**X22**
0.79043144	0.75970325	0.75461771	0.85266844	0.74479509	0.76333287

The FACTOR Procedure
Initial Factor Method: Principal Components

Scoring Coefficients Estimated by Regression

Squared Multiple Correlations of the Variables with Each Factor					
Factor1	Factor2	Factor3	Factor4	Factor5	Factor6
1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000

Standardized Scoring Coefficients							
		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6
X13	X13 - sqft_above	0.17432	0.03702	0.01523	0.03433	0.08331	-0.00377
X7	X7- sqft_living	0.17116	0.08653	0.11726	0.13090	0.09401	-0.12674
X12	X12 - grade	0.16138	0.09931	0.02760	-0.03575	0.05572	-0.01731
X6	X6 - bathrooms	0.15902	0.10339	-0.02836	0.02899	0.08469	0.19682
X17	X17 - sqft_living15	0.15580	0.02536	0.08907	0.09867	-0.06283	-0.32419
X9	X9 - floors	0.10716	0.10989	-0.19662	-0.29210	0.14095	0.64894
X5	X5 - bedrooms	0.10630	0.09776	0.04546	0.36110	0.15663	-0.15731
X19	X19 - age_of_house	-0.11383	0.07092	0.29446	0.22510	0.12301	-0.21651
X16	X16 - long	0.08529	-0.30896	-0.14456	0.10745	-0.35101	-0.08181
X8	X8 - sqft_lot	0.04615	-0.37096	0.25241	-0.17116	0.26197	0.09478
X18	X18 - sqft_lot15	0.04917	-0.37794	0.25079	-0.16102	0.23177	0.07543
X10	X10 - view	0.04706	0.15658	0.35770	-0.19802	-0.30151	-0.18240
X11	X11 - condition	-0.04026	0.00728	0.24350	0.50430	-0.06235	0.80219
X14	X14 - zipcode	-0.07246	0.26197	0.14798	-0.24640	0.45419	-0.02589
X22	X22 - waterfront_present	0.01932	0.11296	0.27186	-0.29195	-0.51728	0.24801

The FACTOR Procedure

Input Data Type	Raw Data
Number of Records Read	21614
Number of Records Used	21613
N for Significance Tests	21613

Means and Standard Deviations from 21613 Observations		
Variable	**Mean**	**Std Dev**
X5	3.371	0.930
X6	2.115	0.770
X7	2079.900	918.441
X8	15106.968	41420.512
X9	1.494	0.540
X10	0.234	0.766
X11	3.409	0.651
X12	7.657	1.175
X13	1788.391	828.091
X14	98077.940	53.505
X16	-122.214	0.141
X17	1986.552	685.391
X18	12768.456	27304.180
X19	43.995	29.373
X22	0.008	0.087

The FACTOR Procedure

Correlations									
		X5	X6	X7	X8	X9	X10	X11	X12	X13
X5	X5 - bedrooms	1.00000	0.51588	0.57667	0.03170	0.17543	0.07953	0.02847	0.35697	0.47760
X6	X6 - bathrooms	0.51588	1.00000	0.75467	0.08774	0.50065	0.18774	-0.12498	0.66498	0.68534
X7	X7- sqft_living	0.57667	0.75467	1.00000	0.17283	0.35395	0.28461	-0.05875	0.76270	0.87660
X8	X8 - sqft_lot	0.03170	0.08774	0.17283	1.00000	-0.00520	0.07471	-0.00896	0.11362	0.18351
X9	X9 - floors	0.17543	0.50065	0.35395	-0.00520	1.00000	0.02944	-0.26377	0.45818	0.52388
X10	X10 - view	0.07953	0.18774	0.28461	0.07471	0.02944	1.00000	0.04599	0.25132	0.16765
X11	X11 - condition	0.02847	-0.12498	-0.05875	-0.00896	-0.26377	0.04599	1.00000	-0.14467	-0.15821
X12	X12 - grade	0.35697	0.66498	0.76270	0.11362	0.45818	0.25132	-0.14467	1.00000	0.75592
X13	X13 - sqft_above	0.47760	0.68534	0.87660	0.18351	0.52388	0.16765	-0.15821	0.75592	1.00000
X14	X14 - zipcode	-0.15267	-0.20387	-0.19943	-0.12957	-0.05912	0.08483	0.00303	-0.18486	-0.26119
X16	X16 - long	0.12947	0.22304	0.24022	0.22952	0.12542	-0.07840	-0.10650	0.19837	0.34380
X17	X17 - sqft_living15	0.39164	0.56863	0.75642	0.14461	0.27989	0.28044	-0.09282	0.71320	0.73187
X18	X18 - sqft_lot15	0.02924	0.08718	0.18329	0.71856	-0.01127	0.07257	-0.00341	0.11925	0.19405
X19	X19 - age_of_house	-0.15418	-0.50602	-0.31805	-0.05308	-0.48932	0.05344	0.36142	-0.44696	-0.42390
X22	X22 - waterfront_present	-0.00658	0.06374	0.10382	0.02160	0.02370	0.40186	0.01665	0.08277	0.07207

Correlations							
		X14	X16	X17	X18	X19	X22
X5	X5 - bedrooms	-0.15267	0.12947	0.39164	0.02924	-0.15418	-0.00658
X6	X6 - bathrooms	-0.20387	0.22304	0.56863	0.08718	-0.50602	0.06374
X7	X7- sqft_living	-0.19943	0.24022	0.75642	0.18329	-0.31805	0.10382
X8	X8 - sqft_lot	-0.12957	0.22952	0.14461	0.71856	-0.05308	0.02160
X9	X9 - floors	-0.05912	0.12542	0.27989	-0.01127	-0.48932	0.02370
X10	X10 - view	0.08483	-0.07840	0.28044	0.07257	0.05344	0.40186
X11	X11 - condition	0.00303	-0.10650	-0.09282	-0.00341	0.36142	0.01665
X12	X12 - grade	-0.18486	0.19837	0.71320	0.11925	-0.44696	0.08277
X13	X13 - sqft_above	-0.26119	0.34380	0.73187	0.19405	-0.42390	0.07207
X14	X14 - zipcode	1.00000	-0.56407	-0.27903	-0.14722	0.34687	0.03028
X16	X16 - long	-0.56407	1.00000	0.33460	0.25445	-0.40936	-0.04191
X17	X17 - sqft_living15	-0.27903	0.33460	1.00000	0.18319	-0.32623	0.08646
X18	X18 - sqft_lot15	-0.14722	0.25445	0.18319	1.00000	-0.07096	0.03070
X19	X19 - age_of_house	0.34687	-0.40936	-0.32623	-0.07096	1.00000	0.02616
X22	X22 - waterfront_present	0.03028	-0.04191	0.08646	0.03070	0.02616	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Partial Correlations Controlling all other Variables										
		X5	X6	X7	X8	X9	X10	X11	X12	X13
X5	X5 - bedrooms	1.00000	0.19305	0.26434	-0.02491	-0.03203	-0.07233	0.04336	-0.13826	-0.00487
X6	X6 - bathrooms	0.19305	1.00000	0.42232	0.00682	0.27194	0.02201	0.04456	0.08851	-0.16009
X7	X7- sqft_living	0.26434	0.42232	1.00000	0.01889	-0.30309	0.14734	0.05857	0.19751	0.64735
X8	X8 - sqft_lot	-0.02491	0.00682	0.01889	1.00000	-0.02557	0.03681	-0.01521	0.01435	0.03554
X9	X9 - floors	-0.03203	0.27194	-0.30309	-0.02557	1.00000	0.01828	-0.07084	0.10512	0.43769
X10	X10 - view	-0.07233	0.02201	0.14734	0.03681	0.01828	1.00000	0.01517	0.07102	-0.15573
X11	X11 - condition	0.04336	0.04456	0.05857	-0.01521	-0.07084	0.01517	1.00000	0.01307	-0.07561
X12	X12 - grade	-0.13826	0.08851	0.19751	0.01435	0.10512	0.07102	0.01307	1.00000	0.12689
X13	X13 - sqft_above	-0.00487	-0.16009	0.64735	0.03554	0.43769	-0.15573	-0.07561	0.12689	1.00000
X14	X14 - zipcode	-0.05672	-0.01846	0.05735	-0.00576	0.11320	0.07197	-0.12240	0.00023	-0.04945
X16	X16 - long	-0.01368	-0.01603	-0.07360	0.06544	-0.07878	-0.04960	-0.00501	-0.14785	0.16695
X17	X17 - sqft_living15	-0.01149	-0.03585	0.19560	-0.06675	-0.11075	0.15207	-0.03311	0.29740	0.13939
X18	X18 - sqft_lot15	-0.04517	-0.02544	0.02769	0.68998	-0.03640	0.00694	0.01620	-0.03040	0.01943
X19	X19 - age_of_house	0.05435	-0.30636	0.13198	0.03606	-0.20157	0.08128	0.28281	-0.19837	-0.00843
X22	X22 - waterfront_present	-0.04643	0.00236	0.00235	-0.01762	0.00552	0.37986	0.00125	-0.02438	0.03738

Partial Correlations Controlling all other Variables							
		X14	X16	X17	X18	X19	X22
X5	X5 - bedrooms	-0.05672	-0.01368	-0.01149	-0.04517	0.05435	-0.04643
X6	X6 - bathrooms	-0.01846	-0.01603	-0.03585	-0.02544	-0.30636	0.00236
X7	X7- sqft_living	0.05735	-0.07360	0.19560	0.02769	0.13198	0.00235
X8	X8 - sqft_lot	-0.00576	0.06544	-0.06675	0.68998	0.03606	-0.01762
X9	X9 - floors	0.11320	-0.07878	-0.11075	-0.03640	-0.20157	0.00552
X10	X10 - view	0.07197	-0.04960	0.15207	0.00694	0.08128	0.37986
X11	X11 - condition	-0.12240	-0.00501	-0.03311	0.01620	0.28281	0.00125
X12	X12 - grade	0.00023	-0.14785	0.29740	-0.03040	-0.19837	-0.02438
X13	X13 - sqft_above	-0.04945	0.16695	0.13939	0.01943	-0.00843	0.03738
X14	X14 - zipcode	1.00000	-0.41921	-0.08370	0.00269	0.17283	-0.02029
X16	X16 - long	-0.41921	1.00000	0.15444	0.08069	-0.23297	-0.01720
X17	X17 - sqft_living15	-0.08370	0.15444	1.00000	0.04794	0.02235	-0.03243
X18	X18 - sqft_lot15	0.00269	0.08069	0.04794	1.00000	-0.01537	0.01258
X19	X19 - age_of_house	0.17283	-0.23297	0.02235	-0.01537	1.00000	0.00392
X22	X22 - waterfront_present	-0.02029	-0.01720	-0.03243	0.01258	0.00392	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.80622482								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.89260714	0.86651872	0.78816440	0.58793925	0.74328176	0.66818651	0.71496805	0.91898995	0.81974500

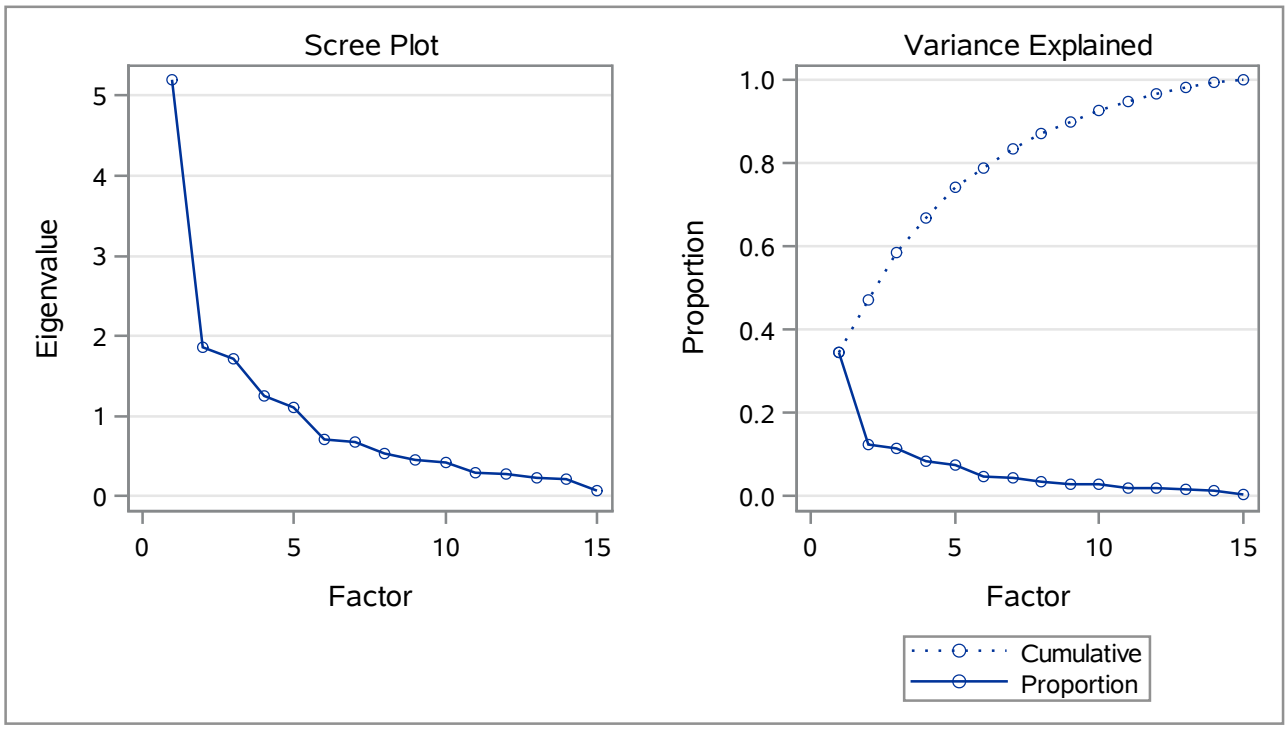
Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.80622482					
X14	X16	X17	X18	X19	X22
0.75181548	0.75811315	0.92141290	0.60132967	0.80713900	0.57207714

Prior Communality Estimates: ONE

Eigenvalues of the Correlation Matrix: Total = 15 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
1	5.19993535	3.34318846	0.3467	0.3467
2	1.85674688	0.13694733	0.1238	0.4704
3	1.71979955	0.47416752	0.1147	0.5851
4	1.24563203	0.13912580	0.0830	0.6681
5	1.10650622	0.39894103	0.0738	0.7419
6	0.70756519	0.02665486	0.0472	0.7891
7	0.68091033	0.14835142	0.0454	0.8345
8	0.53255891	0.08669377	0.0355	0.8700
9	0.44586514	0.03159942	0.0297	0.8997
10	0.41426572	0.11653955	0.0276	0.9273
11	0.29772617	0.02028703	0.0198	0.9472
12	0.27743914	0.04698560	0.0185	0.9657
13	0.23045355	0.01813263	0.0154	0.9810
14	0.21232092	0.14004602	0.0142	0.9952
15	0.07227490		0.0048	1.0000

6 factors will be retained by the NFACTOR criterion.

The FACTOR Procedure
Initial Factor Method: Principal Components



Factor Pattern

		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6
X13	X13 - sqft_above	0.90643	0.06875	0.02619	0.04277	0.09218	-0.00266
X7	X7- sqft_living	0.89004	0.16067	0.20167	0.16306	0.10402	-0.08968
X12	X12 - grade	0.83916	0.18440	0.04746	-0.04453	0.06166	-0.01225
X6	X6 - bathrooms	0.82688	0.19196	-0.04877	0.03611	0.09370	0.13927
X17	X17 - sqft_living15	0.81017	0.04708	0.15317	0.12290	-0.06952	-0.22939
X9	X9 - floors	0.55722	0.20405	-0.33815	-0.36385	0.15597	0.45917
X5	X5 - bedrooms	0.55274	0.18151	0.07819	0.44980	0.17332	-0.11131
X19	X19 - age_of_house	-0.59193	0.13169	0.50642	0.28039	0.13611	-0.15320
X16	X16 - long	0.44352	-0.57365	-0.24861	0.13384	-0.38839	-0.05789
X8	X8 - sqft_lot	0.23999	-0.68878	0.43410	-0.21320	0.28987	0.06707
X18	X18 - sqft_lot15	0.25567	-0.70173	0.43130	-0.20058	0.25646	0.05337
X10	X10 - view	0.24473	0.29072	0.61517	-0.24666	-0.33363	-0.12906
X11	X11 - condition	-0.20936	0.01351	0.41877	0.62818	-0.06899	0.56760
X14	X14 - zipcode	-0.37677	0.48642	0.25449	-0.30692	0.50256	-0.01832
X22	X22 - waterfront_present	0.10046	0.20974	0.46754	-0.36366	-0.57237	0.17549

Variance Explained by Each Factor

Factor1	Factor2	Factor3	Factor4	Factor5	Factor6
5.1999353	1.8567469	1.7197996	1.2456320	1.1065062	0.7075652

The FACTOR Procedure
Initial Factor Method: Principal Components

Final Communality Estimates: Total = 11.836185								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.58932966	0.75244615	0.90410329	0.85442653	0.83402169	0.71165084	0.94092366	0.74637246	0.83736214

X14	X16	X17	X18	X19	X22
0.79043144	0.75970325	0.75461771	0.85266844	0.74479509	0.76333287

The FACTOR Procedure
Rotation Method: Varimax

Orthogonal Transformation Matrix						
	1	2	3	4	5	6
1	0.85086	-0.29047	0.16860	0.36570	0.11595	-0.12667
2	0.26424	0.57097	-0.72713	0.10210	0.25379	0.02490
3	0.17042	0.32874	0.47639	-0.42474	0.58588	0.33507
4	0.31602	-0.25209	-0.27285	-0.46679	-0.41561	0.60952
5	0.19392	0.64597	0.36600	0.08025	-0.63486	-0.04098
6	-0.19922	0.02687	0.08664	0.67164	0.05579	0.70560

Rotated Factor Pattern							
		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6
X7	X7- sqft_living	0.92369	-0.07681	0.11512	0.12824	0.12333	-0.00932
X13	X13 - sqft_above	0.82580	-0.16674	0.13715	0.31303	0.06145	-0.08392
X17	X17 - sqft_living15	0.79895	-0.24014	0.09648	0.01902	0.17589	-0.13423
X12	X12 - grade	0.77115	-0.07213	0.06367	0.32306	0.15059	-0.12412
X6	X6 - bathrooms	0.74782	-0.09144	0.01311	0.42691	0.04930	0.00013
X5	X5 - bedrooms	0.72953	-0.03564	-0.07048	-0.08335	-0.14722	0.14922
X14	X14 - zipcode	-0.14457	0.87235	-0.02988	-0.02492	0.03635	-0.07548
X16	X16 - long	0.16194	-0.82428	0.18978	0.07670	-0.05210	-0.09712
X8	X8 - sqft_lot	0.07165	-0.07748	0.91817	0.00089	0.01568	0.00340
X18	X18 - sqft_lot15	0.08133	-0.11548	0.91204	-0.01128	0.02777	-0.00044
X9	X9 - floors	0.29420	0.04829	-0.01937	0.85899	-0.00390	-0.08298
X19	X19 - age_of_house	-0.23703	0.42673	0.00574	-0.64097	0.05000	0.30518
X22	X22 - waterfront_present	-0.04030	-0.02907	-0.00789	0.10126	0.86311	0.07478
X10	X10 - view	0.27295	0.14034	0.05694	-0.14042	0.76970	-0.04538
X11	X11 - condition	-0.03114	0.01852	0.00691	-0.17059	0.03889	0.95339

Variance Explained by Each Factor					
Factor1	Factor2	Factor3	Factor4	Factor5	Factor6
4.1382849	1.7712934	1.7660863	1.6227710	1.4431722	1.0945775

The FACTOR Procedure
Rotation Method: Varimax

Final Communality Estimates: Total = 11.836185								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.58932966	0.75244615	0.90410329	0.85442653	0.83402169	0.71165084	0.94092366	0.74637246	0.83736214

X14	X16	X17	X18	X19	X22
0.79043144	0.75970325	0.75461771	0.85266844	0.74479509	0.76333287

The FACTOR Procedure
Rotation Method: Varimax

Scoring Coefficients Estimated by Regression

Squared Multiple Correlations of the Variables with Each Factor					
Factor1	Factor2	Factor3	Factor4	Factor5	Factor6
1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000

Standardized Scoring Coefficients							
		Factor1	Factor2	Factor3	Factor4	Factor5	Factor6
X7	X7- sqft_living	0.27333	0.06256	0.00951	-0.11706	-0.01064	0.00627
X13	X13 - sqft_above	0.18845	0.02057	0.03052	0.04919	-0.02884	-0.00120
X17	X17 - sqft_living15	0.23803	-0.07567	-0.02774	-0.24710	0.05748	-0.15530
X12	X12 - grade	0.17121	0.06344	-0.00321	0.06697	0.03860	-0.04501
X6	X6 - bathrooms	0.14416	0.05620	-0.02174	0.20621	-0.02677	0.12601
X5	X5 - bedrooms	0.29985	0.04581	-0.08633	-0.23210	-0.19452	0.10688
X14	X14 - zipcode	0.04816	0.57408	0.09901	0.07148	-0.04260	-0.12178
X16	X16 - long	-0.05151	-0.50473	0.00529	-0.07223	0.02040	-0.04479
X8	X8 - sqft_lot	-0.03791	0.07269	0.54856	0.03637	-0.03080	0.02132
X18	X18 - sqft_lot15	-0.03626	0.04471	0.53787	0.01730	-0.01930	0.01398
X9	X9 - floors	-0.10755	0.14911	0.03200	0.71743	-0.00676	0.19736
X19	X19 - age_of_house	0.11019	0.18726	0.03436	-0.40008	-0.00640	0.09424
X22	X22 - waterfront_present	-0.14937	-0.10563	-0.03754	0.16448	0.65376	0.10970
X10	X10 - view	0.05767	0.04357	-0.00764	-0.17300	0.51831	-0.11925
X11	X11 - condition	-0.00338	-0.04996	0.01301	0.18097	0.01458	0.96283

The FACTOR Procedure

Input Data Type	Raw Data
Number of Records Read	21614
Number of Records Used	21613
N for Significance Tests	21613

Means and Standard Deviations from 21613 Observations		
Variable	**Mean**	**Std Dev**
X5	3.371	0.930
X6	2.115	0.770
X7	2079.900	918.441
X8	15106.968	41420.512
X9	1.494	0.540
X10	0.234	0.766
X11	3.409	0.651
X12	7.657	1.175
X13	1788.391	828.091
X14	98077.940	53.505
X16	-122.214	0.141
X17	1986.552	685.391
X18	12768.456	27304.180
X19	43.995	29.373
X22	0.008	0.087

The FACTOR Procedure

Correlations										
		X5	X6	X7	X8	X9	X10	X11	X12	X13
X5	X5 - bedrooms	1.00000	0.51588	0.57667	0.03170	0.17543	0.07953	0.02847	0.35697	0.47760
X6	X6 - bathrooms	0.51588	1.00000	0.75467	0.08774	0.50065	0.18774	-0.12498	0.66498	0.68534
X7	X7- sqft_living	0.57667	0.75467	1.00000	0.17283	0.35395	0.28461	-0.05875	0.76270	0.87660
X8	X8 - sqft_lot	0.03170	0.08774	0.17283	1.00000	-0.00520	0.07471	-0.00896	0.11362	0.18351
X9	X9 - floors	0.17543	0.50065	0.35395	-0.00520	1.00000	0.02944	-0.26377	0.45818	0.52388
X10	X10 - view	0.07953	0.18774	0.28461	0.07471	0.02944	1.00000	0.04599	0.25132	0.16765
X11	X11 - condition	0.02847	-0.12498	-0.05875	-0.00896	-0.26377	0.04599	1.00000	-0.14467	-0.15821
X12	X12 - grade	0.35697	0.66498	0.76270	0.11362	0.45818	0.25132	-0.14467	1.00000	0.75592
X13	X13 - sqft_above	0.47760	0.68534	0.87660	0.18351	0.52388	0.16765	-0.15821	0.75592	1.00000
X14	X14 - zipcode	-0.15267	-0.20387	-0.19943	-0.12957	-0.05912	0.08483	0.00303	-0.18486	-0.26119
X16	X16 - long	0.12947	0.22304	0.24022	0.22952	0.12542	-0.07840	-0.10650	0.19837	0.34380
X17	X17 - sqft_living15	0.39164	0.56863	0.75642	0.14461	0.27989	0.28044	-0.09282	0.71320	0.73187
X18	X18 - sqft_lot15	0.02924	0.08718	0.18329	0.71856	-0.01127	0.07257	-0.00341	0.11925	0.19405
X19	X19 - age_of_house	-0.15418	-0.50602	-0.31805	-0.05308	-0.48932	0.05344	0.36142	-0.44696	-0.42390
X22	X22 - waterfront_present	-0.00658	0.06374	0.10382	0.02160	0.02370	0.40186	0.01665	0.08277	0.07207

Correlations							
		X14	X16	X17	X18	X19	X22
X5	X5 - bedrooms	-0.15267	0.12947	0.39164	0.02924	-0.15418	-0.00658
X6	X6 - bathrooms	-0.20387	0.22304	0.56863	0.08718	-0.50602	0.06374
X7	X7- sqft_living	-0.19943	0.24022	0.75642	0.18329	-0.31805	0.10382
X8	X8 - sqft_lot	-0.12957	0.22952	0.14461	0.71856	-0.05308	0.02160
X9	X9 - floors	-0.05912	0.12542	0.27989	-0.01127	-0.48932	0.02370
X10	X10 - view	0.08483	-0.07840	0.28044	0.07257	0.05344	0.40186
X11	X11 - condition	0.00303	-0.10650	-0.09282	-0.00341	0.36142	0.01665
X12	X12 - grade	-0.18486	0.19837	0.71320	0.11925	-0.44696	0.08277
X13	X13 - sqft_above	-0.26119	0.34380	0.73187	0.19405	-0.42390	0.07207
X14	X14 - zipcode	1.00000	-0.56407	-0.27903	-0.14722	0.34687	0.03028
X16	X16 - long	-0.56407	1.00000	0.33460	0.25445	-0.40936	-0.04191
X17	X17 - sqft_living15	-0.27903	0.33460	1.00000	0.18319	-0.32623	0.08646
X18	X18 - sqft_lot15	-0.14722	0.25445	0.18319	1.00000	-0.07096	0.03070
X19	X19 - age_of_house	0.34687	-0.40936	-0.32623	-0.07096	1.00000	0.02616
X22	X22 - waterfront_present	0.03028	-0.04191	0.08646	0.03070	0.02616	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Partial Correlations Controlling all other Variables										
		X5	X6	X7	X8	X9	X10	X11	X12	X13
X5	X5 - bedrooms	1.00000	0.19305	0.26434	-0.02491	-0.03203	-0.07233	0.04336	-0.13826	-0.00487
X6	X6 - bathrooms	0.19305	1.00000	0.42232	0.00682	0.27194	0.02201	0.04456	0.08851	-0.16009
X7	X7- sqft_living	0.26434	0.42232	1.00000	0.01889	-0.30309	0.14734	0.05857	0.19751	0.64735
X8	X8 - sqft_lot	-0.02491	0.00682	0.01889	1.00000	-0.02557	0.03681	-0.01521	0.01435	0.03554
X9	X9 - floors	-0.03203	0.27194	-0.30309	-0.02557	1.00000	0.01828	-0.07084	0.10512	0.43769
X10	X10 - view	-0.07233	0.02201	0.14734	0.03681	0.01828	1.00000	0.01517	0.07102	-0.15573
X11	X11 - condition	0.04336	0.04456	0.05857	-0.01521	-0.07084	0.01517	1.00000	0.01307	-0.07561
X12	X12 - grade	-0.13826	0.08851	0.19751	0.01435	0.10512	0.07102	0.01307	1.00000	0.12689
X13	X13 - sqft_above	-0.00487	-0.16009	0.64735	0.03554	0.43769	-0.15573	-0.07561	0.12689	1.00000
X14	X14 - zipcode	-0.05672	-0.01846	0.05735	-0.00576	0.11320	0.07197	-0.12240	0.00023	-0.04945
X16	X16 - long	-0.01368	-0.01603	-0.07360	0.06544	-0.07878	-0.04960	-0.00501	-0.14785	0.16695
X17	X17 - sqft_living15	-0.01149	-0.03585	0.19560	-0.06675	-0.11075	0.15207	-0.03311	0.29740	0.13939
X18	X18 - sqft_lot15	-0.04517	-0.02544	0.02769	0.68998	-0.03640	0.00694	0.01620	-0.03040	0.01943
X19	X19 - age_of_house	0.05435	-0.30636	0.13198	0.03606	-0.20157	0.08128	0.28281	-0.19837	-0.00843
X22	X22 - waterfront_present	-0.04643	0.00236	0.00235	-0.01762	0.00552	0.37986	0.00125	-0.02438	0.03738

Partial Correlations Controlling all other Variables							
		X14	X16	X17	X18	X19	X22
X5	X5 - bedrooms	-0.05672	-0.01368	-0.01149	-0.04517	0.05435	-0.04643
X6	X6 - bathrooms	-0.01846	-0.01603	-0.03585	-0.02544	-0.30636	0.00236
X7	X7- sqft_living	0.05735	-0.07360	0.19560	0.02769	0.13198	0.00235
X8	X8 - sqft_lot	-0.00576	0.06544	-0.06675	0.68998	0.03606	-0.01762
X9	X9 - floors	0.11320	-0.07878	-0.11075	-0.03640	-0.20157	0.00552
X10	X10 - view	0.07197	-0.04960	0.15207	0.00694	0.08128	0.37986
X11	X11 - condition	-0.12240	-0.00501	-0.03311	0.01620	0.28281	0.00125
X12	X12 - grade	0.00023	-0.14785	0.29740	-0.03040	-0.19837	-0.02438
X13	X13 - sqft_above	-0.04945	0.16695	0.13939	0.01943	-0.00843	0.03738
X14	X14 - zipcode	1.00000	-0.41921	-0.08370	0.00269	0.17283	-0.02029
X16	X16 - long	-0.41921	1.00000	0.15444	0.08069	-0.23297	-0.01720
X17	X17 - sqft_living15	-0.08370	0.15444	1.00000	0.04794	0.02235	-0.03243
X18	X18 - sqft_lot15	0.00269	0.08069	0.04794	1.00000	-0.01537	0.01258
X19	X19 - age_of_house	0.17283	-0.23297	0.02235	-0.01537	1.00000	0.00392
X22	X22 - waterfront_present	-0.02029	-0.01720	-0.03243	0.01258	0.00392	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.80622482								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.89260714	0.86651872	0.78816440	0.58793925	0.74328176	0.66818651	0.71496805	0.91898995	0.81974500

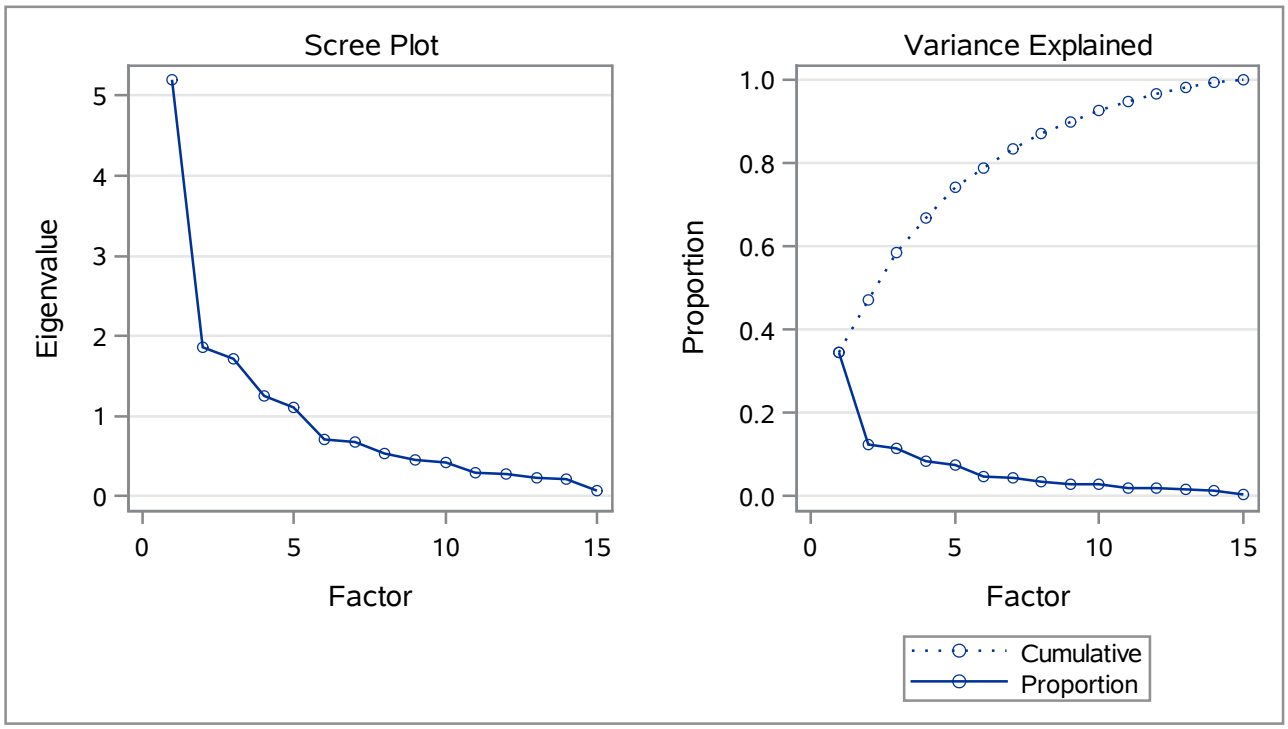
Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.80622482					
X14	X16	X17	X18	X19	X22
0.75181548	0.75811315	0.92141290	0.60132967	0.80713900	0.57207714

Prior Communality Estimates: ONE

Eigenvalues of the Correlation Matrix: Total = 15 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
1	5.19993535	3.34318846	0.3467	0.3467
2	1.85674688	0.13694733	0.1238	0.4704
3	1.71979955	0.47416752	0.1147	0.5851
4	1.24563203	0.13912580	0.0830	0.6681
5	1.10650622	0.39894103	0.0738	0.7419
6	0.70756519	0.02665486	0.0472	0.7891
7	0.68091033	0.14835142	0.0454	0.8345
8	0.53255891	0.08669377	0.0355	0.8700
9	0.44586514	0.03159942	0.0297	0.8997
10	0.41426572	0.11653955	0.0276	0.9273
11	0.29772617	0.02028703	0.0198	0.9472
12	0.27743914	0.04698560	0.0185	0.9657
13	0.23045355	0.01813263	0.0154	0.9810
14	0.21232092	0.14004602	0.0142	0.9952
15	0.07227490		0.0048	1.0000

5 factors will be retained by the NFACTOR criterion.

The FACTOR Procedure
Initial Factor Method: Principal Components



Factor Pattern

		Factor1	Factor2	Factor3	Factor4	Factor5
X13	X13 - sqft_above	0.90643	0.06875	0.02619	0.04277	0.09218
X7	X7- sqft_living	0.89004	0.16067	0.20167	0.16306	0.10402
X12	X12 - grade	0.83916	0.18440	0.04746	-0.04453	0.06166
X6	X6 - bathrooms	0.82688	0.19196	-0.04877	0.03611	0.09370
X17	X17 - sqft_living15	0.81017	0.04708	0.15317	0.12290	-0.06952
X9	X9 - floors	0.55722	0.20405	-0.33815	-0.36385	0.15597
X5	X5 - bedrooms	0.55274	0.18151	0.07819	0.44980	0.17332
X19	X19 - age_of_house	-0.59193	0.13169	0.50642	0.28039	0.13611
X16	X16 - long	0.44352	-0.57365	-0.24861	0.13384	-0.38839
X8	X8 - sqft_lot	0.23999	-0.68878	0.43410	-0.21320	0.28987
X18	X18 - sqft_lot15	0.25567	-0.70173	0.43130	-0.20058	0.25646
X10	X10 - view	0.24473	0.29072	0.61517	-0.24666	-0.33363
X11	X11 - condition	-0.20936	0.01351	0.41877	0.62818	-0.06899
X14	X14 - zipcode	-0.37677	0.48642	0.25449	-0.30692	0.50256
X22	X22 - waterfront_present	0.10046	0.20974	0.46754	-0.36366	-0.57237

Variance Explained by Each Factor

Factor1	Factor2	Factor3	Factor4	Factor5
5.1999353	1.8567469	1.7197996	1.2456320	1.1065062

The FACTOR Procedure
Initial Factor Method: Principal Components

Final Communality Estimates: Total = 11.128620								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.57693986	0.73305113	0.89606146	0.84992879	0.62318677	0.69499417	0.61874957	0.74622245	0.83735504

X14	X16	X17	X18	X19	X22
0.79009592	0.75635224	0.70199936	0.84981956	0.72132621	0.73253751

The FACTOR Procedure
Initial Factor Method: Principal Components

Scoring Coefficients Estimated by Regression

Squared Multiple Correlations of the Variables with Each Factor				
Factor1	Factor2	Factor3	Factor4	Factor5
1.0000000	1.0000000	1.0000000	1.0000000	1.0000000

Standardized Scoring Coefficients						
		Factor1	Factor2	Factor3	Factor4	Factor5
X13	X13 - sqft_above	0.17432	0.03702	0.01523	0.03433	0.08331
X7	X7- sqft_living	0.17116	0.08653	0.11726	0.13090	0.09401
X12	X12 - grade	0.16138	0.09931	0.02760	-0.03575	0.05572
X6	X6 - bathrooms	0.15902	0.10339	-0.02836	0.02899	0.08469
X17	X17 - sqft_living15	0.15580	0.02536	0.08907	0.09867	-0.06283
X9	X9 - floors	0.10716	0.10989	-0.19662	-0.29210	0.14095
X5	X5 - bedrooms	0.10630	0.09776	0.04546	0.36110	0.15663
X19	X19 - age_of_house	-0.11383	0.07092	0.29446	0.22510	0.12301
X16	X16 - long	0.08529	-0.30896	-0.14456	0.10745	-0.35101
X8	X8 - sqft_lot	0.04615	-0.37096	0.25241	-0.17116	0.26197
X18	X18 - sqft_lot15	0.04917	-0.37794	0.25079	-0.16102	0.23177
X10	X10 - view	0.04706	0.15658	0.35770	-0.19802	-0.30151
X11	X11 - condition	-0.04026	0.00728	0.24350	0.50430	-0.06235
X14	X14 - zipcode	-0.07246	0.26197	0.14798	-0.24640	0.45419
X22	X22 - waterfront_present	0.01932	0.11296	0.27186	-0.29195	-0.51728

The FACTOR Procedure

Input Data Type	Raw Data
Number of Records Read	21614
Number of Records Used	21613
N for Significance Tests	21613

Means and Standard Deviations from 21613 Observations		
Variable	**Mean**	**Std Dev**
X5	3.371	0.930
X6	2.115	0.770
X7	2079.900	918.441
X8	15106.968	41420.512
X9	1.494	0.540
X10	0.234	0.766
X11	3.409	0.651
X12	7.657	1.175
X13	1788.391	828.091
X14	98077.940	53.505
X16	-122.214	0.141
X17	1986.552	685.391
X18	12768.456	27304.180
X19	43.995	29.373
X22	0.008	0.087

The FACTOR Procedure

Correlations									
		X5	X6	X7	X8	X9	X10	X11	X12	X13
X5	X5 - bedrooms	1.00000	0.51588	0.57667	0.03170	0.17543	0.07953	0.02847	0.35697	0.47760
X6	X6 - bathrooms	0.51588	1.00000	0.75467	0.08774	0.50065	0.18774	-0.12498	0.66498	0.68534
X7	X7- sqft_living	0.57667	0.75467	1.00000	0.17283	0.35395	0.28461	-0.05875	0.76270	0.87660
X8	X8 - sqft_lot	0.03170	0.08774	0.17283	1.00000	-0.00520	0.07471	-0.00896	0.11362	0.18351
X9	X9 - floors	0.17543	0.50065	0.35395	-0.00520	1.00000	0.02944	-0.26377	0.45818	0.52388
X10	X10 - view	0.07953	0.18774	0.28461	0.07471	0.02944	1.00000	0.04599	0.25132	0.16765
X11	X11 - condition	0.02847	-0.12498	-0.05875	-0.00896	-0.26377	0.04599	1.00000	-0.14467	-0.15821
X12	X12 - grade	0.35697	0.66498	0.76270	0.11362	0.45818	0.25132	-0.14467	1.00000	0.75592
X13	X13 - sqft_above	0.47760	0.68534	0.87660	0.18351	0.52388	0.16765	-0.15821	0.75592	1.00000
X14	X14 - zipcode	-0.15267	-0.20387	-0.19943	-0.12957	-0.05912	0.08483	0.00303	-0.18486	-0.26119
X16	X16 - long	0.12947	0.22304	0.24022	0.22952	0.12542	-0.07840	-0.10650	0.19837	0.34380
X17	X17 - sqft_living15	0.39164	0.56863	0.75642	0.14461	0.27989	0.28044	-0.09282	0.71320	0.73187
X18	X18 - sqft_lot15	0.02924	0.08718	0.18329	0.71856	-0.01127	0.07257	-0.00341	0.11925	0.19405
X19	X19 - age_of_house	-0.15418	-0.50602	-0.31805	-0.05308	-0.48932	0.05344	0.36142	-0.44696	-0.42390
X22	X22 - waterfront_present	-0.00658	0.06374	0.10382	0.02160	0.02370	0.40186	0.01665	0.08277	0.07207

Correlations							
		X14	X16	X17	X18	X19	X22
X5	X5 - bedrooms	-0.15267	0.12947	0.39164	0.02924	-0.15418	-0.00658
X6	X6 - bathrooms	-0.20387	0.22304	0.56863	0.08718	-0.50602	0.06374
X7	X7- sqft_living	-0.19943	0.24022	0.75642	0.18329	-0.31805	0.10382
X8	X8 - sqft_lot	-0.12957	0.22952	0.14461	0.71856	-0.05308	0.02160
X9	X9 - floors	-0.05912	0.12542	0.27989	-0.01127	-0.48932	0.02370
X10	X10 - view	0.08483	-0.07840	0.28044	0.07257	0.05344	0.40186
X11	X11 - condition	0.00303	-0.10650	-0.09282	-0.00341	0.36142	0.01665
X12	X12 - grade	-0.18486	0.19837	0.71320	0.11925	-0.44696	0.08277
X13	X13 - sqft_above	-0.26119	0.34380	0.73187	0.19405	-0.42390	0.07207
X14	X14 - zipcode	1.00000	-0.56407	-0.27903	-0.14722	0.34687	0.03028
X16	X16 - long	-0.56407	1.00000	0.33460	0.25445	-0.40936	-0.04191
X17	X17 - sqft_living15	-0.27903	0.33460	1.00000	0.18319	-0.32623	0.08646
X18	X18 - sqft_lot15	-0.14722	0.25445	0.18319	1.00000	-0.07096	0.03070
X19	X19 - age_of_house	0.34687	-0.40936	-0.32623	-0.07096	1.00000	0.02616
X22	X22 - waterfront_present	0.03028	-0.04191	0.08646	0.03070	0.02616	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Partial Correlations Controlling all other Variables										
		X5	X6	X7	X8	X9	X10	X11	X12	X13
X5	X5 - bedrooms	1.00000	0.19305	0.26434	-0.02491	-0.03203	-0.07233	0.04336	-0.13826	-0.00487
X6	X6 - bathrooms	0.19305	1.00000	0.42232	0.00682	0.27194	0.02201	0.04456	0.08851	-0.16009
X7	X7- sqft_living	0.26434	0.42232	1.00000	0.01889	-0.30309	0.14734	0.05857	0.19751	0.64735
X8	X8 - sqft_lot	-0.02491	0.00682	0.01889	1.00000	-0.02557	0.03681	-0.01521	0.01435	0.03554
X9	X9 - floors	-0.03203	0.27194	-0.30309	-0.02557	1.00000	0.01828	-0.07084	0.10512	0.43769
X10	X10 - view	-0.07233	0.02201	0.14734	0.03681	0.01828	1.00000	0.01517	0.07102	-0.15573
X11	X11 - condition	0.04336	0.04456	0.05857	-0.01521	-0.07084	0.01517	1.00000	0.01307	-0.07561
X12	X12 - grade	-0.13826	0.08851	0.19751	0.01435	0.10512	0.07102	0.01307	1.00000	0.12689
X13	X13 - sqft_above	-0.00487	-0.16009	0.64735	0.03554	0.43769	-0.15573	-0.07561	0.12689	1.00000
X14	X14 - zipcode	-0.05672	-0.01846	0.05735	-0.00576	0.11320	0.07197	-0.12240	0.00023	-0.04945
X16	X16 - long	-0.01368	-0.01603	-0.07360	0.06544	-0.07878	-0.04960	-0.00501	-0.14785	0.16695
X17	X17 - sqft_living15	-0.01149	-0.03585	0.19560	-0.06675	-0.11075	0.15207	-0.03311	0.29740	0.13939
X18	X18 - sqft_lot15	-0.04517	-0.02544	0.02769	0.68998	-0.03640	0.00694	0.01620	-0.03040	0.01943
X19	X19 - age_of_house	0.05435	-0.30636	0.13198	0.03606	-0.20157	0.08128	0.28281	-0.19837	-0.00843
X22	X22 - waterfront_present	-0.04643	0.00236	0.00235	-0.01762	0.00552	0.37986	0.00125	-0.02438	0.03738

Partial Correlations Controlling all other Variables							
		X14	X16	X17	X18	X19	X22
X5	X5 - bedrooms	-0.05672	-0.01368	-0.01149	-0.04517	0.05435	-0.04643
X6	X6 - bathrooms	-0.01846	-0.01603	-0.03585	-0.02544	-0.30636	0.00236
X7	X7- sqft_living	0.05735	-0.07360	0.19560	0.02769	0.13198	0.00235
X8	X8 - sqft_lot	-0.00576	0.06544	-0.06675	0.68998	0.03606	-0.01762
X9	X9 - floors	0.11320	-0.07878	-0.11075	-0.03640	-0.20157	0.00552
X10	X10 - view	0.07197	-0.04960	0.15207	0.00694	0.08128	0.37986
X11	X11 - condition	-0.12240	-0.00501	-0.03311	0.01620	0.28281	0.00125
X12	X12 - grade	0.00023	-0.14785	0.29740	-0.03040	-0.19837	-0.02438
X13	X13 - sqft_above	-0.04945	0.16695	0.13939	0.01943	-0.00843	0.03738
X14	X14 - zipcode	1.00000	-0.41921	-0.08370	0.00269	0.17283	-0.02029
X16	X16 - long	-0.41921	1.00000	0.15444	0.08069	-0.23297	-0.01720
X17	X17 - sqft_living15	-0.08370	0.15444	1.00000	0.04794	0.02235	-0.03243
X18	X18 - sqft_lot15	0.00269	0.08069	0.04794	1.00000	-0.01537	0.01258
X19	X19 - age_of_house	0.17283	-0.23297	0.02235	-0.01537	1.00000	0.00392
X22	X22 - waterfront_present	-0.02029	-0.01720	-0.03243	0.01258	0.00392	1.00000

The FACTOR Procedure
Initial Factor Method: Principal Components

Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.80622482								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.89260714	0.86651872	0.78816440	0.58793925	0.74328176	0.66818651	0.71496805	0.91898995	0.81974500

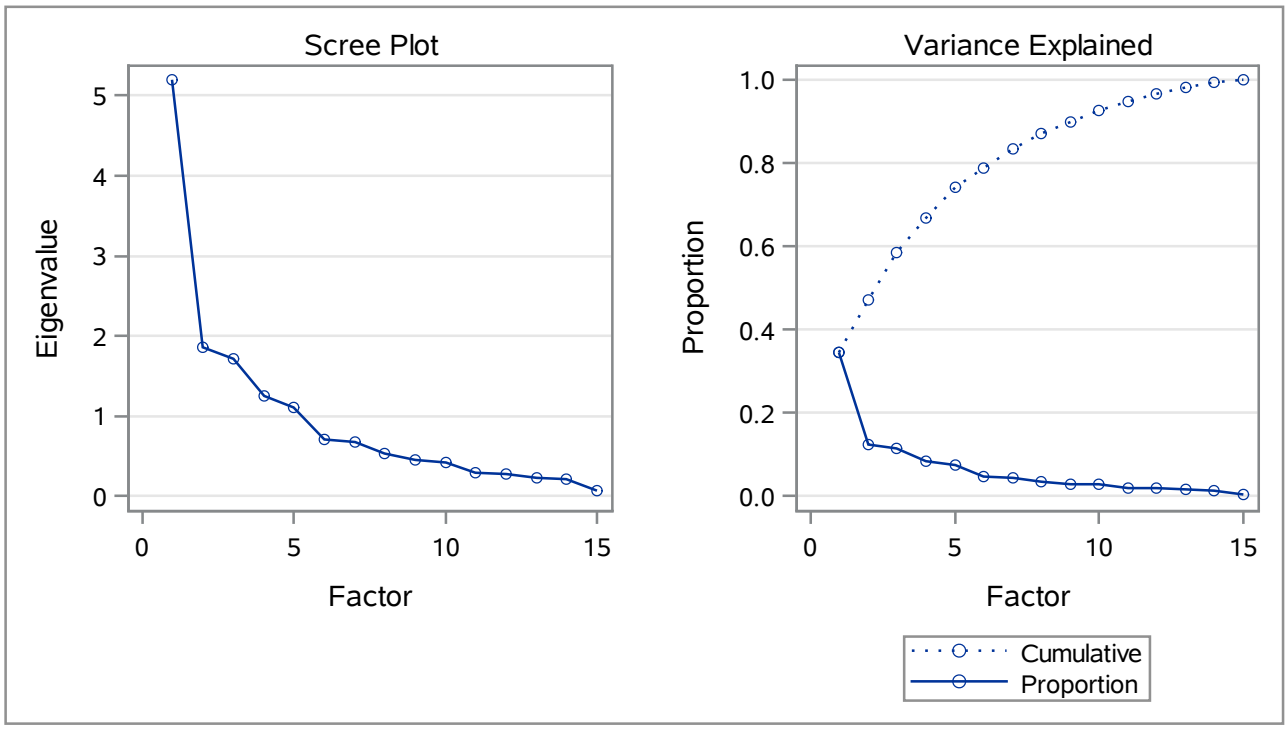
Kaiser's Measure of Sampling Adequacy: Overall MSA = 0.80622482					
X14	X16	X17	X18	X19	X22
0.75181548	0.75811315	0.92141290	0.60132967	0.80713900	0.57207714

Prior Communality Estimates: ONE

Eigenvalues of the Correlation Matrix: Total = 15 Average = 1				
	Eigenvalue	Difference	Proportion	Cumulative
1	5.19993535	3.34318846	0.3467	0.3467
2	1.85674688	0.13694733	0.1238	0.4704
3	1.71979955	0.47416752	0.1147	0.5851
4	1.24563203	0.13912580	0.0830	0.6681
5	1.10650622	0.39894103	0.0738	0.7419
6	0.70756519	0.02665486	0.0472	0.7891
7	0.68091033	0.14835142	0.0454	0.8345
8	0.53255891	0.08669377	0.0355	0.8700
9	0.44586514	0.03159942	0.0297	0.8997
10	0.41426572	0.11653955	0.0276	0.9273
11	0.29772617	0.02028703	0.0198	0.9472
12	0.27743914	0.04698560	0.0185	0.9657
13	0.23045355	0.01813263	0.0154	0.9810
14	0.21232092	0.14004602	0.0142	0.9952
15	0.07227490		0.0048	1.0000

5 factors will be retained by the NFACTOR criterion.

The FACTOR Procedure
Initial Factor Method: Principal Components



Factor Pattern

		Factor1	Factor2	Factor3	Factor4	Factor5
X13	X13 - sqft_above	0.90643	0.06875	0.02619	0.04277	0.09218
X7	X7- sqft_living	0.89004	0.16067	0.20167	0.16306	0.10402
X12	X12 - grade	0.83916	0.18440	0.04746	-0.04453	0.06166
X6	X6 - bathrooms	0.82688	0.19196	-0.04877	0.03611	0.09370
X17	X17 - sqft_living15	0.81017	0.04708	0.15317	0.12290	-0.06952
X9	X9 - floors	0.55722	0.20405	-0.33815	-0.36385	0.15597
X5	X5 - bedrooms	0.55274	0.18151	0.07819	0.44980	0.17332
X19	X19 - age_of_house	-0.59193	0.13169	0.50642	0.28039	0.13611
X16	X16 - long	0.44352	-0.57365	-0.24861	0.13384	-0.38839
X8	X8 - sqft_lot	0.23999	-0.68878	0.43410	-0.21320	0.28987
X18	X18 - sqft_lot15	0.25567	-0.70173	0.43130	-0.20058	0.25646
X10	X10 - view	0.24473	0.29072	0.61517	-0.24666	-0.33363
X11	X11 - condition	-0.20936	0.01351	0.41877	0.62818	-0.06899
X14	X14 - zipcode	-0.37677	0.48642	0.25449	-0.30692	0.50256
X22	X22 - waterfront_present	0.10046	0.20974	0.46754	-0.36366	-0.57237

Variance Explained by Each Factor

Factor1	Factor2	Factor3	Factor4	Factor5
5.1999353	1.8567469	1.7197996	1.2456320	1.1065062

The FACTOR Procedure
Initial Factor Method: Principal Components

Final Communality Estimates: Total = 11.128620								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.57693986	0.73305113	0.89606146	0.84992879	0.62318677	0.69499417	0.61874957	0.74622245	0.83735504

X14	X16	X17	X18	X19	X22
0.79009592	0.75635224	0.70199936	0.84981956	0.72132621	0.73253751

The FACTOR Procedure
Rotation Method: Varimax

Orthogonal Transformation Matrix					
	1	2	3	4	5
1	0.88268	0.16388	-0.30990	-0.29080	0.11580
2	0.27908	-0.73124	-0.03021	0.56792	0.25291
3	0.13218	0.48044	0.54967	0.32066	0.58885
4	0.28892	-0.27302	0.77226	-0.26630	-0.41796
5	0.20504	0.36479	-0.06729	0.64743	-0.63340

Rotated Factor Pattern						
		Factor1	Factor2	Factor3	Factor4	Factor5
X7	X7- sqft_living	0.92556	0.11869	-0.05090	-0.07899	0.12842
X13	X13 - sqft_above	0.85400	0.13281	-0.24176	-0.16786	0.06150
X6	X6 - bathrooms	0.80665	-0.00397	-0.26728	-0.09603	0.04113
X12	X12 - grade	0.79822	0.06013	-0.27808	-0.07231	0.15131
X17	X17 - sqft_living15	0.76977	0.11302	-0.06871	-0.23748	0.18858
X5	X5 - bedrooms	0.71438	-0.06416	0.20190	-0.04016	-0.14182
X8	X8 - sqft_lot	0.07482	0.91550	0.00089	-0.07731	0.01472
X18	X18 - sqft_lot15	0.08148	0.91056	0.00688	-0.11512	0.02749
X11	X11 - condition	0.04167	-0.03966	0.78442	-0.00912	0.00692
X19	X19 - age_of_house	-0.30988	0.02310	0.66520	0.42276	0.05956
X9	X9 - floors	0.43096	-0.06412	-0.65620	0.04328	-0.02970
X14	X14 - zipcode	-0.14881	-0.02804	-0.02889	0.87452	0.03921
X16	X16 - long	0.15757	0.19450	-0.12728	-0.82158	-0.05005
X22	X22 - waterfront_present	-0.01342	-0.02179	-0.02280	-0.03390	0.85453
X10	X10 - view	0.23879	0.06871	0.08548	0.14088	0.77852

Variance Explained by Each Factor				
Factor1	Factor2	Factor3	Factor4	Factor5
4.3765834	1.7695358	1.7685879	1.7675710	1.4463419

Final Communality Estimates: Total = 11.128620								
X5	X6	X7	X8	X9	X10	X11	X12	X13
0.57693986	0.73305113	0.89606146	0.84992879	0.62318677	0.69499417	0.61874957	0.74622245	0.83735504

X14	X16	X17	X18	X19	X22
0.79009592	0.75635224	0.70199936	0.84981956	0.72132621	0.73253751

The FACTOR Procedure
Rotation Method: Varimax

Scoring Coefficients Estimated by Regression

Squared Multiple Correlations of the Variables with Each Factor				
Factor1	**Factor2**	**Factor3**	**Factor4**	**Factor5**
1.0000000	1.0000000	1.0000000	1.0000000	1.0000000

Standardized Scoring Coefficients						
		Factor1	**Factor2**	**Factor3**	**Factor4**	**Factor5**
X7	X7- sqft_living	0.24783	0.01967	0.10356	0.06297	-0.00350
X13	X13 - sqft_above	0.19321	0.02982	-0.02586	0.02001	-0.02860
X6	X6 - bathrooms	0.19121	-0.04019	-0.05130	0.05049	-0.03789
X12	X12 - grade	0.17491	-0.00283	-0.06920	0.06392	0.03970
X17	X17 - sqft_living15	0.17200	-0.00007	0.08033	-0.06930	0.07546
X5	X5 - bedrooms	0.26356	-0.07367	0.25742	0.04443	-0.18633
X8	X8 - sqft_lot	-0.02516	0.54239	-0.01416	0.07203	-0.03423
X18	X18 - sqft_lot15	-0.02793	0.53342	-0.00592	0.04442	-0.02172
X11	X11 - condition	0.13159	-0.05536	0.53975	-0.08074	-0.03072
X19	X19 - age_of_house	0.04849	0.05437	0.36055	0.18750	0.00616
X9	X9 - floors	0.04378	-0.02610	-0.37966	0.13724	-0.04277
X14	X14 - zipcode	0.05065	0.10061	-0.12497	0.57697	-0.03969
X16	X16 - long	-0.07097	0.01307	0.01004	-0.50248	0.02403
X22	X22 - waterfront_present	-0.10590	-0.05781	-0.05062	-0.11145	0.64056
X10	X10 - view	0.01349	0.00914	0.04467	0.04746	0.52942