Observations	1000
Variables	8

Simple Statistics								
	auto_year	age	insured_zip	months_as_customer	policy_deductable	policy_annual_premium	umbrella_limit	total_claim_amount
Mean	2005.103000	38.94800000	501214.4880	203.9540000	1136.000000	1256.406150	1101000.000	52761.94000
StD	6.015861	9.14028669	71701.6109	115.1131744	611.864673	244.167395	2297406.598	26401.53319

Correlation Matrix								
	auto_year	age	insured_zip	months_as_customer	policy_deductable	policy_annual_premium	umbrella_limit	total_claim_amount
auto_year	1.0000	0.0014	-.0327	-.0003	0.0261	-.0492	0.0099	-.0358
age	0.0014	1.0000	0.0256	0.9221	0.0292	0.0144	0.0181	0.0699
insured_zip	-.0327	0.0256	1.0000	0.0179	0.0045	0.0324	0.0197	-.0339
months_as_customer	-.0003	0.9221	0.0179	1.0000	0.0268	0.0050	0.0155	0.0621
policy_deductable	0.0261	0.0292	0.0045	0.0268	1.0000	-.0032	0.0109	0.0228
policy_annual_premium	-.0492	0.0144	0.0324	0.0050	-.0032	1.0000	-.0062	0.0091
umbrella_limit	0.0099	0.0181	0.0197	0.0155	0.0109	-.0062	1.0000	-.0403
total_claim_amount	-.0358	0.0699	-.0339	0.0621	0.0228	0.0091	-.0403	1.0000

Eigenvalues of the Correlation Matrix				
	Eigenvalue	Difference	Proportion	Cumulative
1	1.93483046	0.85326793	0.2419	0.2419
2	1.08156254	0.01757126	0.1352	0.3770
3	1.06399128	0.05785176	0.1330	0.5100
4	1.00613951	0.03845201	0.1258	0.6358
5	0.96768750	0.01272297	0.1210	0.7568
6	0.95496453	0.04191928	0.1194	0.8761
7	0.91304525	0.83526634	0.1141	0.9903
8	0.07777891		0.0097	1.0000

Eigenvectors								
	Prin1	Prin2	Prin3	Prin4	Prin5	Prin6	Prin7	Prin8
auto_year	-.003425	-.661372	0.037886	0.045345	-.364713	0.364136	0.541729	0.002025
age	0.702707	-.017942	0.024084	-.050935	-.021447	0.017473	-.038423	-.707435
insured_zip	0.030487	0.336536	0.546008	0.188195	-.411469	-.473530	0.398372	0.005929
months_as_customer	0.702001	-.025537	0.022148	-.059438	-.021061	0.014277	-.049729	0.706682
policy_deductable	0.044728	-.194585	-.056877	0.912594	-.087995	-.046118	-.337936	0.001605
policy_annual_premium	0.016486	0.573962	0.115711	0.199694	-.074309	0.774859	0.105126	0.007063
umbrella_limit	0.022029	-.184884	0.552366	0.145674	0.771273	0.063216	0.200349	0.002184
total_claim_amount	0.098484	0.216516	-.614522	0.249946	0.297738	-.190095	0.615214	0.006282

Scree Plot · Variance Explained

Component Scores Matrix

Component Pattern Profiles

Component Pattern

Component Pattern

Component Pattern

Component Scores
95% Prediction Ellipse

Component Scores
95% Prediction Ellipse

Component Scores
95% Prediction Ellipse

Component Scores
95% Prediction Ellipse