SAS Log

```
98   libname outexpo v8 'c:\data\mysas';
NOTE: Libname OUTEXPO refers to the same physical library as MYLIB.
NOTE: Libref OUTEXPO was successfully assigned as follows:
      Engine:        V8
      Physical Name: C:\Data\mysas
99   data temp; set outexpo.gss98;
100  /*recoding abortion vars:  high=support abortion*/
101  array m {7} abdefect abnomore abhlth abpoor abrape absingle abany;
102  do I=1 to 7;
103  if m {I} = 2 then m {I} = 0;
104  if m {I} = 8 or m {I} = 9 then m {I} =.;
105  end;
106

NOTE: There were 2832 observations read from the data set OUTEXPO.GSS98.
NOTE: The data set WORK.TEMP has 2832 observations and 861 variables.
NOTE: DATA statement used:
      real time           5.09 seconds
      cpu time            0.46 seconds


107  proc freq;
108  tables abdefect abnomore abhlth abpoor abrape absingle abany;
109  run;

NOTE: There were 2832 observations read from the data set WORK.TEMP.
NOTE: PROCEDURE FREQ used:
      real time           0.04 seconds
      cpu time            0.04 seconds


110
111  proc factor data=temp simple flag=.40 round method=prinit scree corr heywood

112  priors=smc nfactors=7 rotate=varimax;
113  var abdefect abnomore abhlth abpoor abrape absingle abany;
114  run;

WARNING: 1254 of 2832 observations in data set WORK.TEMP omitted due to missing values.
```

```
NOTE: 2 factors will be retained by the MINEIGEN criterion.
NOTE: Convergence criterion satisfied.
NOTE: PROCEDURE FACTOR used:
      real time           0.34 seconds
      cpu time            0.07 seconds


115
116  proc factor data=temp simple flag=.40 round method=prinit corr heywood
117  priors=smc nfactors=2 rotate=varimax score outstat=fac2;
118  var abdefect abnomore abhlth abpoor abrape absingle abany;
119  run;


WARNING: 1254 of 2832 observations in data set WORK.TEMP omitted due to missing values.
NOTE: 2 factors will be retained by the NFACTOR criterion.
NOTE: Convergence criterion satisfied.
NOTE: The data set WORK.FAC2 has 21 observations and 9 variables.

NOTE: PROCEDURE FACTOR used:
      real time           0.06 seconds
      cpu time            0.03 seconds


120
121  proc score data=temp score=fac2 out=temp;
122  run;

NOTE: No VAR statement is given.  All numeric variables in the SCORE= data set will be used to compute the
scores.
NOTE: There were 2832 observations read from the data set WORK.TEMP.
NOTE: There were 21 observations read from the data set WORK.FAC2.
NOTE: The data set WORK.TEMP has 2832 observations and 863 variables.
NOTE: PROCEDURE SCORE used:
      real time           3.43 seconds
      cpu time            0.40 seconds
```

The FREQ Procedure

Strong chance of serious defect

ABDEFECT	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	385	21.39	385	21.39
1	1415	78.61	1800	100.00

Frequency Missing = 1032

Married--wants no more children

ABNOMORE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	1033	57.68	1033	57.68
1	758	42.32	1791	100.00

Frequency Missing = 1041

Womans health seriously endangered

ABHLTH	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	218	12.14	218	12.14
1	1578	87.86	1796	100.00

Frequency Missing = 1036

Low income--cant afford more children

ABPOOR	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	994	55.75	994	55.75
1	789	44.25	1783	100.00

Frequency Missing = 1049

Pregnant as result of rape

ABRAPE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	357	19.88	357	19.88
1	1439	80.12	1796	100.00

Frequency Missing = 1036

Not married

ABSINGLE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	1033	57.71	1033	57.71
1	757	42.29	1790	100.00

Frequency Missing = 1042

Abortion if woman wants for any reason

ABANY	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	1050	59.06	1050	59.06
1	728	40.94	1778	100.00

Frequency Missing = 1054

The FACTOR Procedure

Means and Standard Deviations from 1578 Observations

Variable	Mean	Std Dev
ABDEFECT	0.78707224	0.40950677
ABNOMORE	0.45183777	0.49783276
ABHLTH	0.87262357	0.33349986
ABPOOR	0.46768061	0.49911254
ABRAPE	0.79214195	0.40590330
ABSINGLE	0.45310520	0.49795382
ABANY	0.43852978	0.49636433

Correlations

		ABDEFECT	ABNOMORE	ABHLTH	ABPOOR	ABRAPE	ABSINGLE	ABANY
ABDEFECT	Strong chance of serious defect	100 *	45 *	65 *	44 *	62 *	45 *	42 *
ABNOMORE	Married--wants no more children	45 *	100 *	34	82 *	44 *	84 *	84 *
ABHLTH	Womans health seriously endangered	65 *	34	100 *	34	64 *	34	33
ABPOOR	Low income--cant afford more children	44 *	82 *	34	100 *	45 *	83 *	79 *
ABRAPE	Pregnant as result of rape	62 *	44 *	64 *	45 *	100 *	44 *	43 *
ABSINGLE	Not married	45 *	84 *	34	83 *	44 *	100 *	83 *
ABANY	Abortion if woman wants for any reason	42 *	84 *	33	79 *	43 *	83 *	100 *

Printed values are multiplied by 100 and rounded to the nearest integer. Values greater than 0.4 are flagged by an '*'.

The FACTOR Procedure
Initial Factor Method: Iterated Principal Factor Analysis

Prior Communality Estimates: SMC

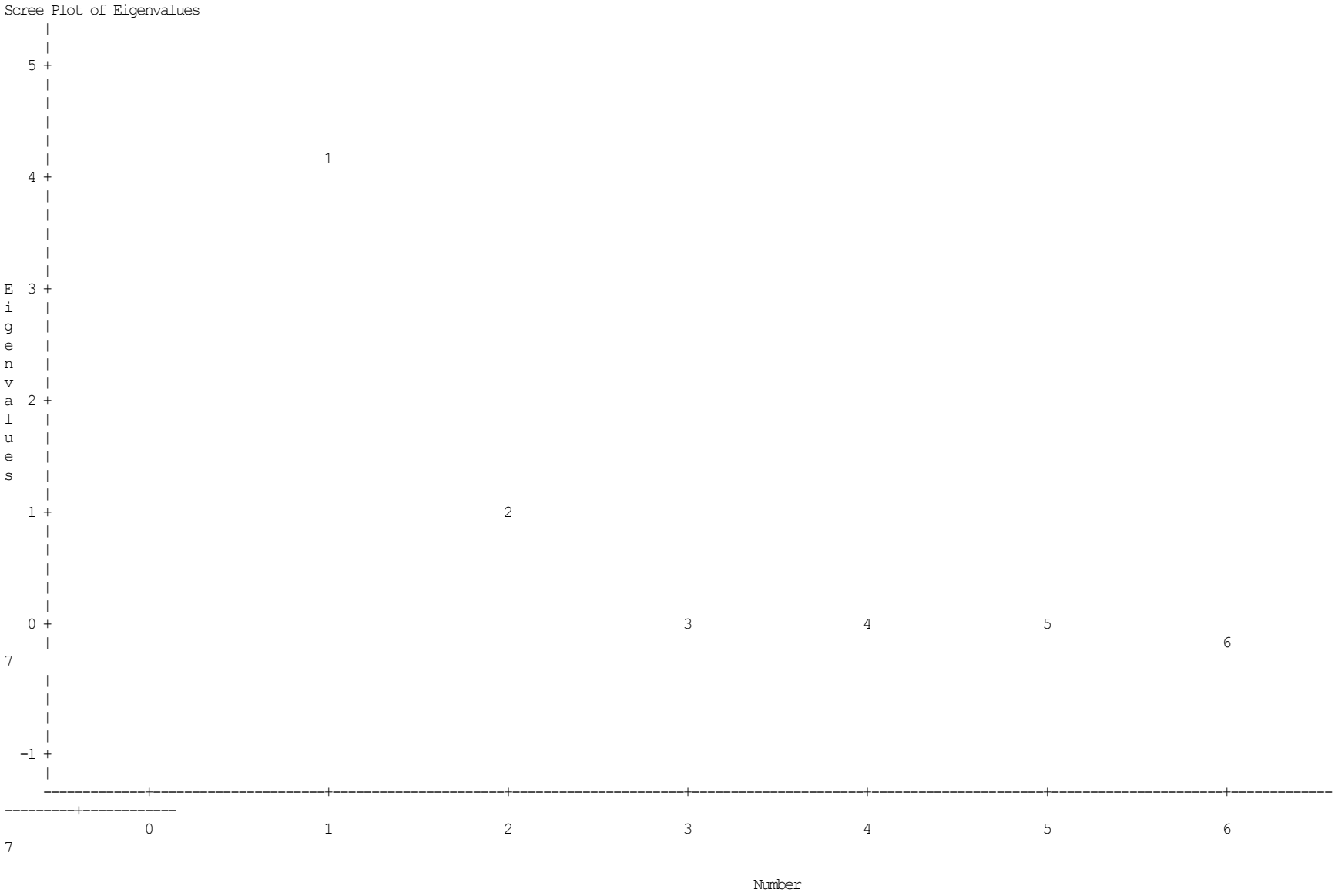
ABDEFECT	ABNOMORE	ABHLTH	ABPOOR	ABRAPE	ABSINGLE	ABANY
0.52412119	0.79185980	0.50902788	0.74691129	0.51496503	0.79467088	0.76508361

Preliminary Eigenvalues: Total = 4.64663967 Average = 0.66380567

	Eigenvalue	Difference	Proportion	Cumulative
1	4.10482758	3.16027777	0.8834	0.8834
2	0.94454980	0.97500460	0.2033	1.0867
3	-.03045479	0.02056197	-0.0066	1.0801
4	-.05101676	0.01453977	-0.0110	1.0691
5	-.06555654	0.04081411	-0.0141	1.0550
6	-.10637064	0.04296834	-0.0229	1.0321
7	-.14933898		-0.0321	1.0000

2 factors will be retained by the MINEIGEN criterion.

The FACTOR Procedure
Initial Factor Method: Iterated Principal Factor Analysis



The FACTOR Procedure
Initial Factor Method: Iterated Principal Factor Analysis

Iteration	Change	Communalities						
1	0.0910	0.60483	0.83247	0.60002	0.78094	0.59449	0.83607	0.80056
2	0.0379	0.62909	0.84345	0.63788	0.78787	0.61739	0.84754	0.80875
3	0.0182	0.63522	0.84662	0.65613	0.78887	0.62254	0.85098	0.81043
4	0.0103	0.63579	0.84762	0.66641	0.78878	0.62251	0.85212	0.81066
5	0.0065	0.63487	0.84797	0.67295	0.78860	0.62127	0.85255	0.81061
6	0.0045	0.63373	0.84811	0.67745	0.78848	0.61998	0.85272	0.81054
7	0.0032	0.63272	0.84817	0.68067	0.78843	0.61893	0.85280	0.81048
8	0.0024	0.63191	0.84820	0.68303	0.78840	0.61811	0.85283	0.81045
9	0.0017	0.63128	0.84821	0.68477	0.78838	0.61751	0.85284	0.81043
10	0.0013	0.63080	0.84822	0.68607	0.78838	0.61706	0.85285	0.81041
11	0.0010	0.63044	0.84822	0.68704	0.78838	0.61673	0.85285	0.81041

Convergence criterion satisfied.

Eigenvalues of the Reduced Correlation Matrix: Total = 5.23379838 Average = 0.74768548

	Eigenvalue	Difference	Proportion	Cumulative
1	4.17560382	3.11714063	0.7978	0.7978
2	1.05846318	1.04147939	0.2022	1.0001
3	0.01698379	0.00770888	0.0032	1.0033
4	0.00927491	0.00858870	0.0018	1.0051
5	0.00068621	0.00402037	0.0001	1.0052
6	-.00333416	0.02054523	-0.0006	1.0046
7	-.02387938		-0.0046	1.0000

Factor Pattern

		Factor1	Factor2
ABDEFECT	Strong chance of serious defect	65 *	46 *
ABNOMORE	Married--wants no more children	88 *	-27
ABHLTH	Womans health seriously endangered	57 *	60 *
ABPOOR	Low income--cant afford more children	85 *	-24
ABRAPE	Pregnant as result of rape	65 *	45 *
ABSINGLE	Not married	88 *	-28
ABANY	Abortion if woman wants for any reason	86 *	-28

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Values greater than 0.4 are flagged by an '*'.

The FACTOR Procedure
Initial Factor Method: Iterated Principal Factor Analysis

Variance Explained by Each Factor

Factor1	Factor2
4.1756038	1.0584632

Final Communality Estimates: Total = 5.234067

ABDEFECT	ABNOMORE	ABHLTH	ABPOOR	ABRAPE	ABSINGLE	ABANY
0.63043823	0.84822255	0.68704168	0.78837843	0.61672854	0.85285194	0.81040564

The FACTOR Procedure
Rotation Method: Varimax

Orthogonal Transformation Matrix

	1	2
1	0.83174	0.55517
2	-0.55517	0.83174

Rotated Factor Pattern

		Factor1	Factor2
ABDEFECT	Strong chance of serious defect	28	74 *
ABNOMORE	Married--wants no more children	88 *	26
ABHLTH	Womans health seriously endangered	14	82 *
ABPOOR	Low income--cant afford more children	84 *	27
ABRAPE	Pregnant as result of rape	29	73 *
ABSINGLE	Not married	89 *	26
ABANY	Abortion if woman wants for any reason	87 *	25

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Variance Explained by Each Factor

Factor1	Factor2
3.2148563	2.0192107

Final Communality Estimates: Total = 5.234067

ABDEFECT	ABNOMORE	ABHLTH	ABPOOR	ABRAPE	ABSINGLE	ABANY
0.63043823	0.84822255	0.68704168	0.78837843	0.61672854	0.85285194	0.81040564

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ABRAPE	Pregnant as result of rape	62 *	44 *	64 *	45 *	100 *	44 *	43 *
ABSINGLE	Not married	45 *	84 *	34	83 *	44 *	100 *	83 *
ABANY	Abortion if woman wants for any reason	42 *	84 *	33	79 *	43 *	83 *	100 *

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6	-.00333416	0.02054523	-0.0006	1.0046
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ABSINGLE	Not married	88 *	-28
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Variance Explained by Each Factor

Factor1	Factor2
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Final Communality Estimates: Total = 5.234067

ABDEFECT	ABNOMORE	ABHLTH	ABPOOR	ABRAPE	ABSINGLE	ABANY
0.63043823	0.84822255	0.68704168	0.78837843	0.61672854	0.85285194	0.81040564

The FACTOR Procedure
Rotation Method: Varimax

Orthogonal Transformation Matrix

	1	2
1	0.83174	0.55517
2	-0.55517	0.83174

Rotated Factor Pattern

		Factor1	Factor2
ABDEFECT	Strong chance of serious defect	28	74 *
ABNOMORE	Married--wants no more children	88 *	26
ABHLTH	Womans health seriously endangered	14	82 *
ABPOOR	Low income--cant afford more children	84 *	27
ABRAPE	Pregnant as result of rape	29	73 *
ABSINGLE	Not married	89 *	26
ABANY	Abortion if woman wants for any reason	87 *	25

Printed values are multiplied by 100 and rounded to the nearest integer.
Values greater than 0.4 are flagged by an '*'.

Variance Explained by Each Factor

Factor1	Factor2
3.2148563	2.0192107

Final Communality Estimates: Total = 5.234067

ABDEFECT	ABNOMORE	ABHLTH	ABPOOR	ABRAPE	ABSINGLE	ABANY
0.63043823	0.84822255	0.68704168	0.78837843	0.61672854	0.85285194	0.81040564

The FACTOR Procedure
Rotation Method: Varimax

Scoring Coefficients Estimated by Regression

Squared Multiple Correlations of the Variables with Each Factor

Factor1	Factor2
0.92476339	0.80776372

Standardized Scoring Coefficients

		Factor1	Factor2
ABDEFECT	Strong chance of serious defect	-0.07920	0.33428
ABNOMORE	Married--wants no more children	0.32838	-0.06384
ABHLTH	Womans health seriously endangered	-0.14071	0.46979
ABPOOR	Low income--cant afford more children	0.20953	-0.01946
ABRAPE	Pregnant as result of rape	-0.07034	0.31566
ABSINGLE	Not married	0.34182	-0.07128
ABANY	Abortion if woman wants for any reason	0.25087	-0.05699