

SORT CASES BY study .  
 SPLIT FILE  
     SEPARATE BY study .

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FACTOR
/VARIABLES g1 sp1 sp2 sp3 sp4 sp5 inv1 inv2 inv3 inv4 real1 real2 real3 real4
/MISSING pairwise
/ANALYSIS g1 sp1 sp2 sp3 sp4 sp5 inv1 inv2 inv3 inv4 real1 real2 real3 real4
/PRINT UNIVARIATE INITIAL KMO EXTRACTION ROTATION FSCORE
/FORMAT SORT BLANK(.10)
/PLOT EIGEN ROTATION
/CRITERIA FACTORS(3) ITERATE(25)
/EXTRACTION PC
/CRITERIA ITERATE(25) DELTA(0)
/ROTATION OBLIMIN
/METHOD=CORRELATION .
  
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## Factor Analysis

### STUDY = PQI

#### Descriptive Statistics<sup>a</sup>

	Mean	Std. Deviation	Analysis N	Missing N
G1	3,4898	1,8435	245	1
SP1	4,0293	2,0588	239	7
SP2	1,4813	1,6204	241	5
SP3	3,9835	1,8807	243	3
SP4	3,9794	1,8751	243	3
SP5	3,6557	1,8693	244	2
INV1	2,7500	1,7028	240	6
INV2	1,8797	1,8456	241	5
INV3	3,0123	1,7802	243	3
INV4	4,2387	1,6912	243	3
REAL1	2,9344	1,4698	244	2
REAL2	2,1440	1,7104	243	3
REAL3	1,7397	1,5387	242	4
REAL4	,7388	1,2696	245	1

a. STUDY = PQI

#### KMO and Bartlett's Test<sup>a</sup>

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		,864
Bartlett's Test of Sphericity	Approx. Chi-Square	1094,179
	df	91
	Sig.	,000

a. STUDY = PQI

**Communalities<sup>a</sup>**

	Initial	Extraction
G1	1,000	,677
SP1	1,000	,351
SP2	1,000	,478
SP3	1,000	,577
SP4	1,000	,733
SP5	1,000	,685
INV1	1,000	,556
INV2	1,000	,589
INV3	1,000	,612
INV4	1,000	,536
REAL1	1,000	,601
REAL2	1,000	,502
REAL3	1,000	,637
REAL4	1,000	,463

Extraction Method: Principal Component Analysis.

a. STUDY = PQI

**Total Variance Explained<sup>b</sup>**

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total
1	4,843	34,596	34,596	4,843	34,596	34,596	4,083
2	1,875	13,390	47,986	1,875	13,390	47,986	3,020
3	1,280	9,140	57,126	1,280	9,140	57,126	2,878
4	,817	5,834	62,960				
5	,746	5,325	68,285				
6	,712	5,088	73,374				
7	,656	4,686	78,059				
8	,581	4,153	82,213				
9	,537	3,834	86,046				
10	,509	3,635	89,681				
11	,470	3,358	93,039				
12	,407	2,904	95,944				
13	,317	2,267	98,210				
14	,251	1,790	100,000				

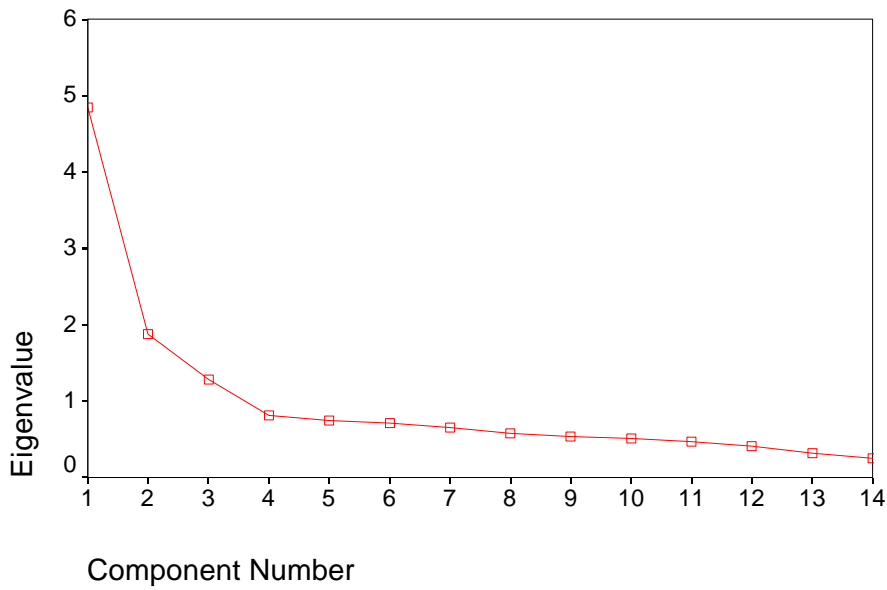
Extraction Method: Principal Component Analysis.

a. When components are correlated, sums of squared loadings cannot be added to obtain a total variance.

b. STUDY = PQI

# Scree Plot

STUDY: 1 PQI



**Component Matrix<sup>a,b</sup>**

	Component		
	1	2	3
G1	,800	-,149	-,123
SP4	,768	-,348	-,149
SP5	,728	-,355	-,169
SP3	,622	-,319	-,298
REAL1	-,616	,158	-,444
SP2	-,571	,253	,298
SP1	,551	-,118	-,183
REAL4	,538	,278	,309
INV1	,531	,513	-,103
INV3	-,439	-,637	,120
INV2	,489	,592	
INV4	,457	,538	-,197
REAL3	,481		,630
REAL2	,495		,500

Extraction Method: Principal Component Analysis.

a. 3 components extracted.

b. STUDY = PQI

**Pattern Matrix<sup>a,b</sup>**

	Component		
	1	2	3
SP4	,809		,137
SP5	,801		,104
SP3	,794		
SP2	-,720		
G1	,688	,154	,153
SP1	,548	,110	
INV3		-,802	
INV2		,752	
INV4		,726	-,109
INV1		,709	
REAL3			,825
REAL2			,694
REAL1	-,203		-,683
REAL4		,399	,472

Extraction Method: Principal Component Analysis.

Rotation Method: Oblimin with Kaiser Normalization.

a. Rotation converged in 5 iterations.

b. STUDY = PQI

**Structure Matrix<sup>a</sup>**

	Component		
	1	2	3
SP4	,847	,229	,434
SP5	,821	,201	,394
G1	,793	,399	,457
SP3	,756	,178	,224
SP2	-,686	-,197	-,184
SP1	,583	,275	,244
INV3	-,186	-,780	-,149
INV2	,209	,762	,274
INV1	,307	,740	,234
INV4	,263	,724	,113
REAL3	,256	,149	,795
REAL1	-,456	-,208	-,753
REAL2	,305	,184	,708
REAL4	,270	,513	,564

Extraction Method: Principal Component Analysis.

Rotation Method: Oblimin with Kaiser Normalization.

a. STUDY = PQI

**Component Correlation Matrix<sup>a</sup>**

Component	1	2	3
1	1,000	,299	,383
2	,299	1,000	,260
3	,383	,260	1,000

Extraction Method: Principal Component Analysis.  
 Rotation Method: Oblimin with Kaiser Normalization.

a. STUDY = PQI

**STUDY = PQII**

**Descriptive Statistics<sup>a</sup>**

	Mean	Std. Deviation	Analysis N	Missing N
G1	3,3780	1,7384	291	5
SP1	3,0483	2,0235	290	6
SP2	1,9252	1,5896	294	2
SP3	3,2389	1,8406	293	3
SP4	3,7372	1,7069	293	3
SP5	3,7897	1,6367	290	6
INV1	3,0952	1,6372	294	2
INV2	2,3966	1,9748	295	1
INV3	3,2158	1,7697	292	4
INV4	3,8938	1,7874	292	4
REAL1	2,9623	1,5472	292	4
REAL2	2,1241	1,7084	290	6
REAL3	2,3176	1,6531	296	0
REAL4	,9761	1,3908	293	3

a. STUDY = PQII

**KMO and Bartlett's Test<sup>a</sup>**

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		,899
Bartlett's Test of Sphericity	Approx. Chi-Square	1349,410
	df	91
	Sig.	,000

a. STUDY = PQII

**Communalities<sup>a</sup>**

	Initial	Extraction
G1	1,000	,616
SP1	1,000	,399
SP2	1,000	,426
SP3	1,000	,552
SP4	1,000	,603
SP5	1,000	,662
INV1	1,000	,431
INV2	1,000	,722
INV3	1,000	,635
INV4	1,000	,570
REAL1	1,000	,537
REAL2	1,000	,538
REAL3	1,000	,569
REAL4	1,000	,665

Extraction Method: Principal Component Analysis.

a. STUDY = PQII

**Total Variance Explained<sup>b</sup>**

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total
1	5,394	38,532	38,532	5,394	38,532	38,532	4,103
2	1,311	9,365	47,896	1,311	9,365	47,896	3,449
3	1,220	8,711	56,607	1,220	8,711	56,607	3,225
4	,901	6,438	63,045				
5	,731	5,225	68,270				
6	,672	4,803	73,073				
7	,603	4,306	77,378				
8	,585	4,175	81,553				
9	,541	3,863	85,416				
10	,504	3,597	89,013				
11	,469	3,351	92,363				
12	,376	2,686	95,050				
13	,372	2,656	97,705				
14	,321	2,295	100,000				

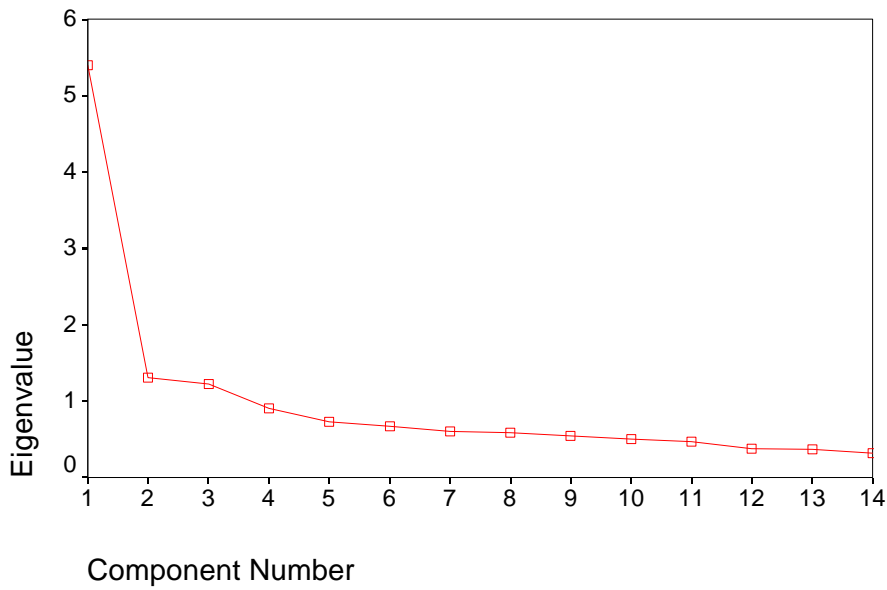
Extraction Method: Principal Component Analysis.

a. When components are correlated, sums of squared loadings cannot be added to obtain a total variance.

b. STUDY = PQII

# Scree Plot

STUDY: 2 PQII



**Component Matrix<sup>a,b</sup>**

	Component		
	1	2	3
G1	,779		
SP5	,764	-,203	-,193
SP4	,754	-,120	-,141
INV4	,691	,254	-,166
INV2	,639	,559	
SP3	,624	-,288	-,281
REAL1	-,609	,314	-,260
REAL3	,587	-,201	,429
SP1	,574	-,221	-,144
REAL2	,567		,461
INV3	-,555	-,511	,257
INV1	,493	,433	
SP2	-,471	,332	,306
REAL4	,468	,195	,639

Extraction Method: Principal Component Analysis.

a. 3 components extracted.

b. STUDY = PQII

**Pattern Matrix<sup>a,b</sup>**

	Component		
	1	2	3
SP3	,734		
SP2	-,696		
SP5	,695	,162	,102
SP4	,598	,225	,138
SP1	,572		
G1	,521	,234	,257
INV2		,821	
INV3		-,802	,154
INV1		,633	
INV4	,304	,577	
REAL4	-,277	,201	,796
REAL2			,687
REAL3	,209		,684
REAL1	-,409	,138	-,535

Extraction Method: Principal Component Analysis.

Rotation Method: Oblimin with Kaiser Normalization.

a. Rotation converged in 8 iterations.

b. STUDY = PQII

**Structure Matrix<sup>a</sup>**

	Component		
	1	2	3
SP5	,789	,443	,407
SP3	,741	,297	,254
SP4	,727	,484	,431
G1	,695	,507	,525
SP2	-,643	-,160	-,133
SP1	,623	,287	,312
INV2	,298	,845	,373
INV3	-,326	-,783	-,160
INV4	,519	,695	,340
INV1	,226	,652	,294
REAL4		,381	,767
REAL3	,425	,229	,730
REAL2	,335	,306	,728
REAL1	-,551	-,193	-,633

Extraction Method: Principal Component Analysis.

Rotation Method: Oblimin with Kaiser Normalization.

a. STUDY = PQII



### Component Correlation Matrix<sup>a</sup>

Component	1	2	3
1	1,000	,353	,358
2	,353	1,000	,348
3	,358	,348	1,000

Extraction Method: Principal Component Analysis.

Rotation Method: Oblimin with Kaiser Normalization.

a. STUDY = PQII