

Lampiran 1. Matriks Korelasi, Eigenvalue dan Eigenvektor

Worksheet size: 100000 cells.

```
MTB > Name m1 = 'eigen1'
MTB > Read 5.5 'eigen1'
DATA> | 1 0.576 0.513 0.387 0.460
DATA> | 0.576 1 0.604 0.407 0.337
DATA> | 0.513 0.604 1 0.435 0.414
DATA> | 0.387 0.407 0.435 1 0.520
DATA> | 0.460 0.337 0.414 0.520 1
      5 rows read.
MTB > Print 'eigen1'
```

Data Display

Matrix eigen1

1.000	0.576	0.513	0.387	0.460
0.576	1.000	0.604	0.407	0.337
0.513	0.604	1.000	0.435	0.414
0.387	0.407	0.435	1.000	0.520
0.460	0.337	0.414	0.520	1.000

```
MTB > Name m2 = 'eigen2'
MTB > Eigen 'eigen1' c1 'eigen2'
MTB > Print 'eigen2'
```

Data Display

Matrix eigen2

-0.462156	-0.240844	0.605920	0.407170	0.442131
-0.461956	-0.480510	-0.177846	0.208782	-0.693172
-0.468017	-0.291517	-0.313113	-0.665421	0.393896
-0.422458	0.523286	-0.557038	0.446058	0.196068
-0.418925	0.593544	0.439205	-0.385837	-0.361159

```
MTB > Save 'C:\My Documents\eigen.MTW';
SUBC> Replace...
```

* ERROR * Path Not Found

```
MTB >
MTB > Print C1.
```

Data Display

C1:

2.06598 or 0.79564 or 0.54350 or 0.44504 or 0.34985

Lampiran 2. Analisis Faktor

FACTOR ANALYSIS

Analysis number 1 Listwise deletion of cases with missing values

Correlation Matrix:

	X1	X2	X3	X4	X5
X1	1.00000				
X2	.57641	1.00000			
X3	.51338	.30383	1.00000		
X4	.38672	.40704	.43551	1.00000	
X5	.46034	.33668	.41375	.52030	1.00000

Extraction 1 for analysis 1, Principal Components Analysis (PC)

Initial Statistics:

Variable	Communality	*	Factor	Eigenvalue	Pct of Var	Cum Pct
X1	1.00000	*	1	2.86637	57.3	57.3
X2	1.00000	*	2	.79599	15.9	73.2
X3	1.00000	*	3	.54377	10.9	84.1
X4	1.00000	*	4	.44427	8.9	93.0
X5	1.00000	*	5	.34960	7.0	100.0

PC extracted 2 factors.

Factor Matrix:

	Factor 1	Factor 2
X1	.78259	-.21532
X2	.78198	-.42881
X3	.79238	-.25953
X4	.71529	.46664
X5	.70916	.52976

Lampiran 3. Analisis Faktor

----- FACTOR ANALYSIS -----

Final Statistics:

Variable	Communality	* Factor	Eigenvalue	Pct of Var	Cum Pct
X1	.65881	* 1	2.86637	57.3	57.3
X2	.79537	* 2	.79599	15.9	73.2
X3	.69522	*			
X4	.72940	*			
X5	.78355	*			

Skipping rotation 1 for extraction 1 in analysis 1

