

Untitled

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R Markdown

```
library(psych)
library(psychTools)
data("Thurstone")
Thurstone
```

```
##               Sentences Vocabulary Sent.Completion First.Letters
## Sentences      1.000      0.828      0.776      0.439
## Vocabulary     0.828      1.000      0.779      0.493
## Sent.Completion 0.776      0.779      1.000      0.460
## First.Letters   0.439      0.493      0.460      1.000
## Four.Letter.Words 0.432      0.464      0.425      0.674
## Suffixes        0.447      0.489      0.443      0.590
## Letter.Series    0.447      0.432      0.401      0.381
## Pedigrees        0.541      0.537      0.534      0.350
## Letter.Group     0.380      0.358      0.359      0.424
##               Four.Letter.Words Suffixes Letter.Series Pedigrees
## Sentences              0.432      0.447      0.447      0.541
## Vocabulary              0.464      0.489      0.432      0.537
## Sent.Completion          0.425      0.443      0.401      0.534
## First.Letters            0.674      0.590      0.381      0.350
## Four.Letter.Words         1.000      0.541      0.402      0.367
## Suffixes                  0.541      1.000      0.288      0.320
## Letter.Series             0.402      0.288      1.000      0.555
## Pedigrees                 0.367      0.320      0.555      1.000
## Letter.Group              0.446      0.325      0.598      0.452
##               Letter.Group
## Sentences              0.380
## Vocabulary              0.358
## Sent.Completion          0.359
## First.Letters            0.424
## Four.Letter.Words         0.446
## Suffixes                  0.325
## Letter.Series             0.598
## Pedigrees                 0.452
## Letter.Group              1.000
```

```
mod<-fa(Thurstone, nfactors=3)
```

```
## Loading required namespace: GPArotation
```

```
fa2latex(mod)
```

% Called in the psych package fa2latex % Called in the psych package mod

Table 1: fa2latex						
A factor analysis table from the psych package in R						
Variable	MR1	MR2	MR3	h^2	u^2	com
Sentences	0.90	-0.03	0.04	0.82	0.18	1.01
Vocabulary	0.89	0.06	-0.03	0.84	0.16	1.01
Sent.Completion	0.84	0.03	0.00	0.74	0.26	1.00
First.Letters	0.00	0.85	0.00	0.73	0.27	1.00
Four.Letter.Words	-0.02	0.75	0.10	0.63	0.37	1.04
Suffixes	0.18	0.63	-0.08	0.50	0.50	1.20
Letter.Series	0.03	-0.01	0.84	0.73	0.27	1.00
Pedigrees	0.38	-0.05	0.46	0.51	0.49	1.96
Letter.Group	-0.06	0.21	0.63	0.52	0.48	1.25
<hr/>						
SS loadings	MR1	MR2	MR3			
	2.65	1.87	1.49			
<hr/>						
	MR1	MR2	MR3			
MR1	1.00	0.59	0.53			
MR2	0.59	1.00	0.52			
MR3	0.53	0.52	1.00			