**Exploratory Factor Analysis for Concern Likert Scale**

Correlation plot:

Chart, bubble chart

Description automatically generated

Determination of number of factors:

Chart, line chart

Description automatically generated

Plot suggests using 2 or 3 factors.

Using fa() function from the psych package

<https://stats.stackexchange.com/questions/50745/best-factor-extraction-methods-in-factor-analysis>

For 2 factors and GLS optimization

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The p-value for the null test is 2.9 e-126, meaning the result is significant. So 2 factors are not enough.

With 3 factors:

Text

Description automatically generated with low confidence

Text

Description automatically generated

(We get no P-value)

I rotate it to see if it makes more sense

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A picture containing text

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Text

Description automatically generated

The rotation types ‘promax’ and ‘oblimin’ reveal that factor 1 is the “importance factor”, being composed of the variables ‘the war is an important issue to me personally’, ‘the war is an important issue for my country’, ‘the war is an important global issue’.

The second factor is composed of the “the war mostly affects other people”

The third factor is composed mainly of the variable “the war in Ukraine makes me anxious’ and a small part of the variable “the war is an important issue to me personally”.