Lesson 5 Hands on

The survey that was provided for this hands on is a good fit because it includes 501 rows of data. The acceptable amount of data is a minimum of 300 rows of data; thus, the 501 rows will allow for plenty of data to be assessed.

Based off of the scree plot that was generated:Chart

Description automatically generated

We can see that there is a large drop of from 1-2. There isn’t a large drop from 2-3 and so on. Because of this plot, we can see that there are likely 2 factors that need to be examined.

45% of the residuals were large. Because it is under 50%, testing two factors will be the best fit for this data.

Text

Description automatically generated

Because there are quite a few factors higher than .04, it makes it a good fit.

Chronbach’s alpha for this data is .92. Because the data is above .7, this shows hat the Inter-Rater reliability is good.

The r.drop is all above .3, thus the data has good Inter-Item reliability.