# Exploratory Factor Analysis

In this experiment, participants were given the Purpose in Life Scale. We expected two factors within this scale – so test if there are two factors (but note if the parallel analysis and scree plot don’t agree).

* 1. Math:
  2. Rotation:
  3. How many factors did you choose?
     1. Include a parallel analysis:
     2. Scree plots (big drops in Eigenvalues) indicate:
  4. What questions load where?
     1. Include a table of the fit indices for each round.
     2. List which questions you eliminated in each round and why.
  5. What do those factors mean?
     1. Look at the loadings – given the way that the questions loaded – label each factor as what you think the questions are measuring (you will make this up, just make up something that is explainable to you and will make sense to us).
  6. What is the fit of your scale? Is it good?
     1. RMSEA:
     2. SRMR:
     3. NNFI:
     4. CFI: