**Aeon Project Part 2 – Documentation**

1. Copied transformations from events file that allowed us to pick rows of people who had first moved in between 2010-2014.
2. Split the multiple resources into different columns so that each resource in a row gets a different column.
3. Used if statements to recode the Interaction type according to its Sub-type, Type, and Interaction Record Type. Created a new column called Interaction Type to house the new values.
4. Stacked the different Resources columns and then summarized them.
   1. Merged life skills, parenting skills, financial literacy into education.
   2. Merged household goods, coats, clothing, back-to-school supplies, gift card, furniture, toys-for-tots, welcome basket into Material goods.
   3. Merged mental health, health care, substance abuse, medical/dental, safety into Health/Wellness
   4. Merged utilities/phone, interpretation, child care etc. into Miscellaneous.
   5. Merged family/social relations, community involvement into Community.
5. Recoded the move out reason to positive reasons and negative reasons depending on the key provided.
6. Cleaned column names:
   1. Replaced N( with the file type – event, leadership, interaction type, or resource type
   2. Replaced spaces and forward slashes with \_ and \_or\_ respectively.
7. Concatenated the YardiHOHid columns into one file, then aggregated the column so there was only one of each ID in the column.
8. Started joining the tables and did left inner join keeping multiples for all:
   1. Joined events first
   2. Joined leadership next
   3. Joined interaction type
   4. Joined broader version of resources that I had reduced the resources to.
9. Cleaned up the columns:
   1. Stacked all the columns except for YardiHOHid.
   2. Matched the number of counts to either 0 for null, and for 0 or 1 for anything that had 1 or more counts.
   3. Split the columns back to get the final clean file.