READ ME

Outline of each step

1. First wave of Data
   1. Site\_weather\_Dep netcdf files format for use (all variables are in induvial data frames)
   2. Nutrient\_data, csv file format for use
      1. Process\_CSV\_Nutrient\_Data.R - made a key in this file to deal with the lat and long col row thing that Ellen explained in an email once upon a time
2. Merge data
   1. Hydrology, excel sheet converted to separate csv files and formatted in r for use (all stations are in one data frame)
3. Regression model
   1. Load\_Dataframe
   2. GLS\_With\_Function
      1. Outline what this is..
   3. CV\_Custom
      1. This is a cool code, what it does is split the regression model up in to n sample groups, and regresses leaving each group out once. Then it predicts the left out group and plots the predicted vs measured values.
         1. Special note, if n is a factor of total sample size comment out the remainder portion, if it is not make sure remainder is included