EES 687: Code Review

XgfRiction Package

Hi Darby! Nice work on the package. I like the main R script, which contains all your functions. I think it is organized well, and hopefully, once the dependencies issues are worked out, the package will be good to go.

**Here are my main comments in order of when I loaded the package for the first time:**

* You have the main XgfRiction.Rproj file is saved inside another file called XDfRiction. I would recommend pulling all the files out of one level of folders. I had issues with loading the first time.
* When I run load\_all ( ), the package tells me it requires “xgboost ggplot2”, after deciding to install it I got this error:
  + Skipping 1 packages not available: xgboost
  + ggplot2
  + Warning message:
  + object ‘sMDSGapFill’ is not exported by 'namespace:REddyProc'
* My guess is without this package, I won't be able to do much in the package.
* I tried doing check ( ) and it failed because that specific package not loading in

**Working through the Vignette:**

* When loading the first chuck of libraries, I got an error at “library(tidymodels).” I don’t have this installed, and I would recommend having it as an import when you download the package the first time.
* Downloading new librarys/packages broke everything lol
* I am just gonna look at the code instead and see if I have any notes
* The code “file\_path <- "~/Documents/GitHub/XgfRictionn/XgfRiction/ExampleData.csv"” doesn’t look like it has a path in your package. This might just reference something from your computer.
* The XgfRiction\_initialize function looks great!

**General Comments**

* Looks like you have all of your functions in 1 Rscritp file. I don’t know which way is better, but I broke my functions into different Rscripts, so if one broke, I could go and fix it directly.
* Wow, there are a lot of functions here. Writing a vignette for each one sucks, but I didn’t know most of these existed until I picked around in the code.
* You have an empty Rscript called “XGFrictionProcessor.R.” You can probably delete this one.
* Are any of your imports from your “DESCRIPTION” file not on cran? If they are from github you have to have them under another category in this file called “Remotes” From this it is able to import the file from github. Mine looks like this:

A picture containing timeline

Description automatically generated