

e8_repository

The purpose of this R project and repository is for version control and to document workflow on this project.

Structure

1. e8CodePackage [folder]

1. **clean.R**: Cleans up the raw .txt data files for analysis. This includes chopping off empty columns and rows. Adding and aggregating column variables.
 1. *Actions* (a) Makes 'plotname' and 'plothalfname' identifiers (b) Adds a column in the plot location data to indicate whether the plot was in the forest understory or not (c) Adds a column in the veg data for total understory biomass (aggregated M.v. biomass and native biomass) (d) Adds a column in the Updated data directories to reflect the column changes described above (e) Export cleaned files: soil data, veg data, plot location data, plot tree data, timeline data (and their data directories)
 2. *Files needed*: e8DataPackage (folder of .txt files)
 3. *Files produced*: e8DataPackage_clean (folder of .txt files)
2. **fxns_q1.R**: Function used to answer question1
 1. *Actions*
 2. *Files needed*: None
 3. *Files produced*: None
3. **question1.R**: Addresses the question - How does invader biomass vary across resource availability?
 1. *Actions*
 2. *Files needed*: e8DataPackage_clean (folder of .txt files)
 3. *Files produced*: None

2. e8DataPackage [folder]

1. e8_plothalfSoilData.txt
2. e8_plothalfSoilData_dictionary.txt
3. e8_plothalfVegData.txt
4. e8_plothalfVegData_dictionary.txt
5. e8_plotLoc.txt
6. e8_plotLoc_dictionary.txt
7. e8_plotTrees.txt
8. e8_plotTrees_dictionary.txt
9. e8_timeline.txt

3. e8DataPackage_clean [folder]

1. e8_plothalfSoilData_clean.txt
2. e8_plothalfSoilData_dictionary_clean.txt
3. e8_plothalfVegData_clean.txt
4. e8_plothalfVegData_dictionary_clean.txt
5. e8_plotLoc_clean.txt
6. e8_plotLoc_dictionary_clean.txt
7. e8_plotTrees_clean.txt
8. e8_plotTrees_dictionary_clean.txt
9. e8_timeline_clean.txt

Not filed

1. **leeFunctions.R**: Stores most of the functions used in the rest of the pieces of code. There are a lot of other functions in this script that are not relevant to this project.
2. *Actions*: No stand-alone actions
3. *Files needed*: None
4. *Files produced*: None