Code Map for DroughtOps

Below is a map of the directory structure and key files. (Neglected is the simulation code which is not being used right now.)

# Overview

## global.R – creates the variables and dataframes needed by many ui and server scripts

Sets today’s date, date\_today0 - (defined as today or as a user-specified historical date)

Defines directory paths

Reads classes and function definitions in

/code/classes/

/code/functions/

Load packages by running

/code/global/

load\_packages.R – use to load packages when NOT PUBLISHING to shiny.io

import\_packages.R – use when PUBLISHING to shiny.io

Imports and processes time series data by running

/code/global/

import\_data.R – imports the time series data

/data\_processing/ - scripts in here do some helpful data processing

## ui.R – designs the user interface structure, ie colors, titles, sidebar, and tabs

Defines the layout of each of the tabs by running:

/code/ui/

situational\_awareness\_ui.R – layout of the Situational Awareness tab

one\_day\_ops\_ui.R – layout of the 1-Day Ops tab

ten\_day\_ops\_ui.R – layout of the 10-Day Ops tab

demands\_ui.R – layout of the Demands tab

download\_data\_ui.R – ignore this for the drought exercise

simulation\_ui.R – ignore this for the drought exercise

## server.R – creates graphs and calculates the numerical values to be displayed

Creates graphs and calculates value to be displayed in each tab by running:

/code/server/

/situational\_awareness/ - contains scripts that create graphs and value boxes

/one\_day\_ops/ - contains scripts that create graphs and value boxes

/ten\_day\_ops/ - contains scripts that create graphs and value boxes

/demands/ - contains scripts that create graphs and value boxes

## Stuff on withdrawals

See

code/global/import\_data.R – imports the time series data

code/functions/data\_processing/process\_withdrawals.R

code/server/demands/demands\_server.R

code/ui/demands\_ui.R