rmap Cheat Sheet

Webpage: https://jgcri.github.io/rmap/ Github: https://github.com/JGCRI/rmap

Structure

KEY INPUTS

myFile.csv file

subRegion	value
TX	32
Δ7	54

OR R Data Frame

```
data = data.frame(
    subRegion = c("TX","AZ"),
    value = c(32,54))
```

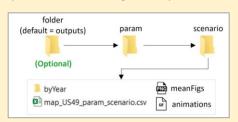
Optional Columns: param, scenario, year, class, units

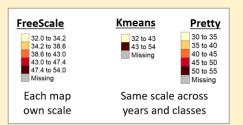
CODE

```
library(rmap);
map (data) # OR
map("path/To/myFile.csv")
```

KEY OUTPUTS

Maps saved in the working directory as follows:





Pre-loaded Maps (Automatically find maps for data if available)

US49

Countries and cropToBoundary

GCAM Basins

data = data.frame(subRegion = c("La_Plata","Amazon"),

data = data.frame(subRegion = c("TX", "AZ"), value = c(32, 54), year=c(2010,2010)) map(data)



data = data.frame(subRegion = c("India","China"), value = c(32,54))
map(data, cropToBoundary=T)



value = c(32,54))

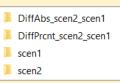
Multiple Scenarios, Years and Classes

Multi-scenario Diff plots

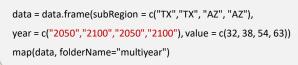
Multi-Year Animantion/Mean

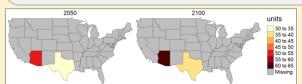
Multi-Class

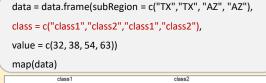
data = data.frame(subRegion = c("TX","TX","AZ","AZ"),
scenario = c("scen1","scen2","scen1","scen2"),
value = c(32, 38, 54, 63))
map(data, scenRef="scen1")













Customize Scales, Colors, Background

Set scale ranges

data = data.frame(subRegion = c("TX","TX", "AZ", "AZ"), scenario = c("scen1","scen2","scen1","scen2"), value = c(32, 38, 54, 63)) map(data, scaleRange = c(30,50), scaleRangeDiffPrcnt = c(10,30))



Change Palettes



Extended Boundary

data = data.frame(
subRegion = c("India","China"), value = c(32,54))
map(data,
background = T)



