Planning Notes

5/7/2020 Call

Agenda

What is the take-home message from the webinar? You can (and should) use R entirely for your data workflow?

- Demonstate how R can be used for the data life cycle process
- A good clear demo of this.
- Show the endpoint first. The pie in the sky.
  - Example: SppDistMonProj, mobile aucistic recorder package

How do we want to collaborate on this? Through GitHub? If so, how? Separate branches or forked?

- We will use GitHub
- McCrea will work off master branch, Adam will fork
- We will try to keep work distinct in the repo (create seperate RMarkdown presentations and merge if needed when they are completed.

Do we want to use the SppDistMonProj package as the example? What other examples do we have?

- SppDistMonProj is a good example, but we will look for others and make a decision on it during our next meeting on 5/13.

Should we attempt to include any class participation? If so, what format?

- Probably not enough time.

Version control?

- We will mention it without going into any detail on it's use
- Repo is available for the webinar, we can then mention GitHub and version control

Presentation slide file format?

- RMarkdown
- Flipbook is pretty cool tool for incrementally describing code. Could be used if we use xaringan formatted RMarkdown slides.

Action Items

- McCrea: send project file dir template to Adam
- McCrea: send RMarkdown presentation template to Adam
- All: look for other project examples and be ready to make a final decision on 5/13
- All: look for other R training tools and materials
- McCrea: Contact Brent Frakes re: writing files to product records in ServCat
- Adam: look into accessing Survey123 data using R

5/13/2020 Call

Agenda

Make a decision on the project example(s)

- We will use the SppDistMonProj for the large example.
- We will use other examples for individual steps.

    – Adam has some examples.

Adding the archiving step in R: save report to ServCat:

- While nice, this is a lower priority.
- McCrea will continue to look into this step
- For this presentation, it would be a simple demo, not a generalizable script.
- We might want to consider archiving to other repos, such as ScienceBase or GitHub.
- ServCat API: https://ecos.fws.gov/ServCatServices/servcat/v4/documentation/servcat-api.html#/Reference_Profile

Discuss how to divide the materials

- Adam will cover the process and evaluate (data import, EDA, data profiling)

    – He has existing examples from another course and will share it.

- McCrea: Reporting (sharing). Intro? Archiving

Decide on how to present the materials

- Start with general review of DM cycle
- Discuss the disadvantages of the traditional manual data workflow.
- Sequentially walk through the data life cycle steps (data workflow) using R to show the advantage of a script-based workflow.

Action Items

- None

5/15/2020

Agenda

Review the materials that we intend to cover, and approach to delivering the materials

https://ecos.fws.gov/ServCatServices/servcat-secure/v4/documentation/servcat-secure-api.html#/

Continue discussion on how to divide the presentations of material

Action Items

6/11/2020

Review presentation materials

- Teaching shiny app, monarch project example
- Archiving?? memes...

  - github
  - dryad (R package)
  - ScienceBase
  - code.usgs.gov?
  - IRMA (like ServCat)
  - **zenodo (zenodo R package)**

- Analysis

  - cran task views

- Add mention of packages to McCrea's slide about R, distinction between R and Rstudio

Action Items

- Add sf to the R data workflow slide