IMOP: Workflowr Quick Start

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Summer 2019

1 Set Up - Once Per Machine

It is ideal to do this setup in RStudio, but any platform of R will work:

```r
install.packages("workflowr")
library("workflowr") # Loads the workflowr package
wflow_git_config(user.name = "First Last", user.email = "first.last@agios.com")
```

2 Create Project

2.1 R Prep

```r
library("workflowr") # Don't have to repeat if completed above
wflow_start("/path/to/PROJECT") # Sets up the folder structure, RStudio project & a .git repo
```

2.2 GitLab Repo Connection

Go to your Agios GitLab and do the following:

- Create a project in GitLab with the same name as the project in RStudio
- Go to your PROJECT directory in your `terminal` & paste `Push an Existing Git Repository`

2.3 Complete connection in R

```r
wflow_build() # Builds Rmd files to HTML which creates the site allowing you to preview changes
wflow_publish(files=c("analysis/*.Rmd"), message="Publish initial files")
# Builds Rmd files to HTML then, commits both Rmd & HTML files to GitLab with the above message
# JavaScriptt/CSS files, which style the webpage are automatically commited as well
$ git push # Pushes webpage to GitLab which saves a backup & allows others to view
wflow_use_gitlab(username = "first.last", domain = "git.agios.local")
# Creates a link on the home page of your website to your source code on GitLab
```

3 Creating a New File & Running Analysis

```r
wflow_open("analysis/NEW.Rmd") # Creates & opens a new file
wflow_build() # Equivalent to RStudio's 'Knit' button
wflow_publish(files=c("analysis/NEW.Rmd"), message ="Publish the file NEW")
$ git push # Pushes webpage to Git which saves a backup & allows others to view
```

Repeat this process anytime you want to update your page.

$ Make sure you are in your `terminal` under the correct project before running the `git push` command