

1. Annual TeX Live update (released beginning of April, every year, used to create pdfs):
 1. Click on the **ArboMAP.Rproj** file to open the project in RStudio.
 2. In RStudio, in the Files pane, click on **annual_midApril_tex_update.R**.
 3. In the Source pane that opens up, make sure the cursor is at the start of line 1, and hit “Run”.

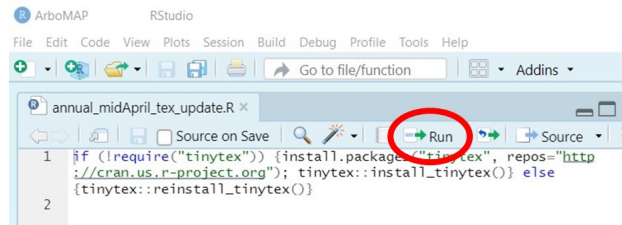


Figure 1: Annual TeX update script as seen in RStudio Source pane.

2. Update human data: At the beginning of a new season, i.e. a new forecast year, the previous year's human case data will need to be added to the single CSV file, in the **data_human** folder, with these required fields:
 - County identification field: Either the county FIPS code (**fips**, **FIPS**, **fips_code**, or **FIPS_CODE**) or the county name (**county**, **district**, **parish**, or **Parish**), as matched to what is used in mosquito data.
 - **date**: the onset date of the symptoms of the case (“MM/DD/YYYY” or in non-ambiguous formats such as YYYY-MM-DD)
3. Update off-season weather data via GEE app:
 1. Go to <https://dawneko.users.earthengine.app/view/arbomap-gridmet>.
 2. Pick your state, and edit the start date to a week or so before the last updated previous data.
 3. Click the download link in the popup window on the map. Save or move the file to the **data_weather** folder.

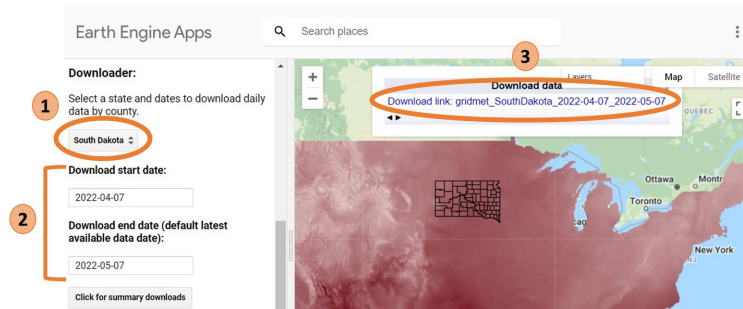


Figure 2: ArboMAP Google Earth Engine app to download gridMET weather data.

4. Annual parameter updates: The defaults can be updated by manually editing the header of the **ArboMAP_forecast.Rmd** file, or the correct setting or file can be picked from the interactive user interface each time.
 1. **year_mosquito_end**: Update to the current forecast year.
 2. **year_weather_end**: Update to the current forecast year.
 3. If the file names of the human (or mosquito) data have changed, those parameters will also need to be updated.