Tasks:

1. Go through the 5 parts – be able to explain everything
   * this will obviously lead to lots of tweaking
2. Change description of workshop
3. Add assignments to the 5 parts (we have ~ 30minutes for each part)
   * Have 30 minutes at end for people to mess around?
4. Create a script that tests software prerequisites for the class
   * individual script or RStudio Project?
   * Mac Test
5. Use weatherData for advanced examples (season ***points***)/assignments?
   * Can be more open-ended
6. Add more advanced examples as we do them (extensions of workshop)
7. Residuals (??)

If time: I'll talk through the 5 parts

<http://www.midwestfw.org/html/workshops.shtml>

Thur Feb 4, 2021

**time:** 9:00 AM -12:00 PM (CST); and 1:00 PM – 4:00 PM (CST)  
  
**Overview:** GGPlot is a plotting package for R that is designed to make plots modular and more extensible. In this workshop you will explore the different components of GGPlot and how these components can be styled, layered, and animated. This will help you use GGPlot to create more dynamic plots to better convey your data.  
  
**Requirements:**

1. Some programming knowledge in any language – it does not have to be R just to make sure people have some familiarity with a programming environment and basic programming structures (e.g, if-else statements).
2. Installation of RStudio, Rtools, and some other tools (all free). Instructions will be provided and a test script to make sure everything has been installed properly – but it needs to be done before the workshop.
3. \*\*\* You must… \*\*\*

**Presenter:** Charlie Belinsky, Curriculum Developer, Quantitative Fisheries Center, Department of Fisheries and Wildlife, Michigan State University; [belinsky@msu.edu](mailto:belinsky@msu.edu); 989-272-2623