**R Packages Used in App Development**

Chang, W., Cheng, J., Allaire, J. J., Sievert, C., Schloerke, B., Xie, Y., Allen, J., McPherson, J., Dipert, A., & Borges, B. (2022). *shiny: Web Application Framework for R*. <https://shiny.rstudio.com/>

Chang, W., & Ribeiro, B. B. (2021). *shinydashboard: Create Dashboards with Shiny*. <http://rstudio.github.io/shinydashboard/>

Cheng, J., Karambelkar, B., & Xie, Y. (2022). *leaflet: Create Interactive Web Maps with the JavaScript Leaflet Library*. <https://rstudio.github.io/leaflet/>

Dishman, D. (2022). *NMFSResPermits: Process NMFS Research Permit Data*.

Garnier, S. (2021a). *viridis: Colorblind-Friendly Color Maps for R*. <https://CRAN.R-project.org/package=viridis>

Garnier, S. (2021b). *viridisLite: Colorblind-Friendly Color Maps (Lite Version)*. <https://CRAN.R-project.org/package=viridisLite>

Granjon, D. (2021). *shinydashboardPlus: Add More AdminLTE2 Components to shinydashboard*. [https://CRAN.R-project.org/    package=shinydashboardPlus](https://CRAN.R-project.org/ %20 %20%20package=shinydashboardPlus)

Huang, L. (2019). *leaflet.providers: Leaflet Providers*. <https://github.com/rstudio/leaflet.providers>

Karambelkar, B., & Schloerke, B. (2018). *leaflet.extras: Extra Functionality for leaflet Package*. <https://CRAN.R-project.org/package=leaflet.extras>

Müller, K., & Wickham, H. (2022). *tibble: Simple Data Frames*. <https://CRAN.R-project.org/package=tibble>

Neuwirth, E. (2022). *RColorBrewer: ColorBrewer Palettes*. <https://CRAN.R-project.org/package=RColorBrewer>

Pebesma, E. (2022). *sf: Simple Features for R*. <https://CRAN.R-project.org/package=sf>

R Core Team. (2022). *R: A Language and Environment for Statistical Computing*. R Foundation for Statistical Computing. <https://www.R-project.org/>

Sievert, C. (2020). *Interactive Web-Based Data Visualization with R, plotly, and shiny*. Chapman and Hall/CRC. <https://plotly-r.com>

Sievert, C., Parmer, C., Hocking, T., Chamberlain, S., Ram, K., Corvellec, M., & Despouy, P. (2021). *plotly: Create Interactive Web Graphics via plotly.js*. <https://CRAN.R-project.org/package=plotly>

Tang, Y. (2022). *shinyjqui: JQuery UI Interactions and Effects for Shiny*. <https://CRAN.R-project.org/package=shinyjqui>

Tierney, N., Cook, D., McBain, M., & Fay, C. (2021). *naniar: Data Structures, Summaries, and Visualisations for Missing Data*. <https://github.com/njtierney/naniar>

Vaidyanathan, R., Xie, Y., Allaire, J. J., Cheng, J., Sievert, C., & Russell, K. (2021). *htmlwidgets: HTML Widgets for R*. <https://github.com/ramnathv/htmlwidgets>

Wickham, H. (2016). *ggplot2: Elegant Graphics for Data Analysis*. Springer-Verlag New York. <https://ggplot2.tidyverse.org>

Wickham, H. (2019). *stringr: Simple, Consistent Wrappers for Common String Operations*. <https://CRAN.R-project.org/package=stringr>

Wickham, H. (2022). *tidyverse: Easily Install and Load the Tidyverse*. <https://CRAN.R-project.org/package=tidyverse>

Wickham, H., François, R., Henry, L., & Müller, K. (2022). *dplyr: A Grammar of Data Manipulation*. <https://CRAN.R-project.org/package=dplyr>

Wickham, H., & Girlich, M. (2022). *tidyr: Tidy Messy Data*. <https://CRAN.R-project.org/package=tidyr>

Wickham, H., Hester, J., & Bryan, J. (2022). *readr: Read Rectangular Text Data*. <https://CRAN.R-project.org/package=readr>

Xie, Y., Cheng, J., & Tan, X. (2022). *DT: A Wrapper of the JavaScript Library DataTables*. <https://github.com/rstudio/DT>