iemiscdata: Map of the Sampled US Locations after the Fukushima Power Plant Explosions in 2011

Irucka Embry, E.I.T. (EcoC²S)

2024-01-09

Contents

Creating a ggplot2 Map of the 2011 Fukushima Radiation Sample Sites

R Source

3
EcoC2S Links

Copyright and License

3

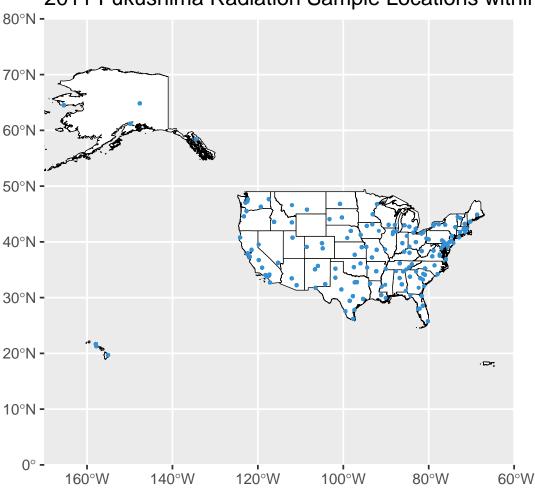
Creating a ggplot2 Map of the 2011 Fukushima Radiation Sample Sites

USA

USA <- state_boundaries_wgs84 # create the USA object with the same data as state_boundaries_wgs84 USA_projected <- st_transform(USA, "+proj=aea +lat_1=29.5 +lat_2=45.5 +lat_0=23 +lon_0=-96 +x_0=0 +y_0= # transform the coordinates to match those of the USA_state_boundaries_map data # from USA.state.boundaries.data (formerly in USA.state.boundaries) locations <- st_as_sf(raddata_US_Fukushima_2011, coords = c("Location 1 (Longitude)", "Location 1 (Latitude)"), crs = "+proj=longlat +datum=WGS84 +ellps=WGS84") # set the projection to longlat using sf # plot the map using ggplot2 p <- ggplot() + geom_sf(data = USA, colour = "black", fill = "white") p <- p + geom_sf(data = locations, colour = "#3591d1", size = 0.5) + coord_sf(xlim = c(-60,))</pre>

2011 Fukushima Radiation Sample Locations within the USA

 $p \leftarrow p + labs(x = "", y = "", title = "2011 Fukushima Radiation Sample Locations within the USA")$



-170), ylim = c(0, 80), expand = FALSE)

print(p)

R Source

How to map data with R: A hands-on tutorial to get you to start creating maps with R. By Abhinav Malasi, Jun 29, 2021. See https://medium.com/geekculture/how-to-map-data-with-r-8333110dff5b

EcoC²S Links

EcoC²S Home - https://www.ecoccs.com/
About EcoC²S - https://www.ecoccs.com/about_ecoc2s.html
Services - https://www.ecoccs.com/services.html
1 Stop Shop - https://www.ecoccs.com/other_biz.html
Products - https://www.questionuniverse.com/products.html
Media - https://www.ecoccs.com/media.html
Resources - https://www.ecoccs.com/resources.html
R Trainings and Resources provided by EcoC²S (Irucka Embry, E.I.T.) - https://www.ecoccs.com/rtraining.html

Copyright and License

All R code written by Irucka Embry is distributed under the GPL-3 (or later) license, see the GNU General Public License {GPL} page.

All written content originally created by Irucka Embry is copyrighted under the Creative Commons Attribution-ShareAlike 4.0 International License. All other written content retains the copyright of the original author(s).

This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.