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

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2023-09-25

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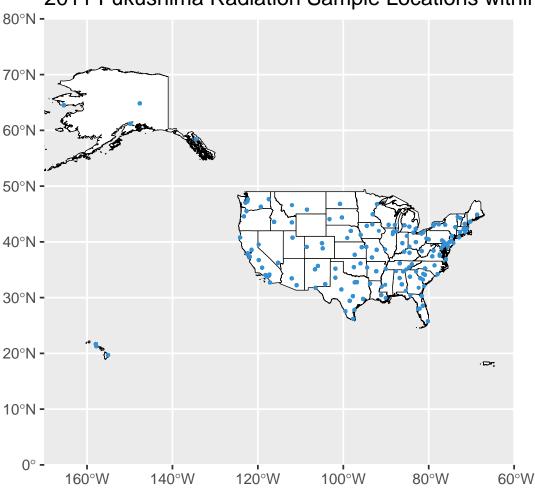
# Creating a ggplot2 Map of the 2011 Fukushima Radiation Sample Sites

## 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

### EcoC<sup>2</sup>S Links

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Media - https://www.ecoccs.com/media.html
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R Trainings and Resources provided by EcoC<sup>2</sup>S (Irucka Embry, E.I.T.) - https://www.ecoccs.com/rtraining.html

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