

Mini-Project 1: References and Resources
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National Bridge Inventory (NBI) data for 2022 and 2023 downloaded as zip files here:

<https://www.fhwa.dot.gov/bridge/nbi/ascii.cfm>

Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation's Bridges:

<https://www.fhwa.dot.gov/bridge/mtguide.pdf>

I referred to the following study to choose the predicting factors to use in my model:

Characterizing Bridge And Culvert Deterioration In Arizona Using National Bridge Inventory Data by Vaishnavi Kandgule

<https://www.proquest.com/docview/2908197223?pq-origsite=gscholar&fromopenview=true&sourcetype=Dissertations%20&%20Theses>

I also used bridge age, which was not considered in this study.

I used our In-Class Assignment 1 to source the code for the operations we have done before in class. I used ChatGPT to develop the codes for the operations we have not done in class.

Aalok helped me work out the codes that converted the latitude and longitude entries from 8- or 9- character strings to degree/minute/second coordinates, and then from those to decimal degrees coordinates.