

Syntax Problem #12

Objectives

1. Practice writing and running Python code.
2. Use Pandas read functionality.
3. Isolate pieces of read-in data.

Problem

1. Write a Python program that will plot US Interstate highways in red for the Midwest region. Use a Lambert Conformal projection for plotting.

Interstate Highways can be identified where the column labeled `RTTYP` has a value of `I`.

File available in `/syntax_problems/data/tl_2021_us_primaryroads.zip`.

Save the image as **`roads_<username>.png`**.

Notes:

- Double check to make sure you have the correct output.
- Make sure documentation (e.g., comment block and comments throughout code) is present in your source code.
- Make output informative so that anyone running your program understands what is being produced without seeing the assignment.
- Name the program **`syntax12_<username>.py`** and place a copy in `/share/share/syntax_problems/`.