

How to use and update the interactive map

Using the map

We have provided the map as an HTML file, which can be used by web developers to put the map onto a live website. Unfortunately we do not have web development experience, so we can't provide direct guidance on this process.

The HTML file can also be viewed via GitHub here, although this will not reflect any additional changes that you make:

<https://raw.githubusercontent.com/gstammer/NC-Arts-Economy/35e9a0b13fc99dc04d68e31b415d569a2b5ddf6d/NC-Arts-Economy.html>

Changing the map

To make changes to the map, the best method is to edit the primary source file, NC-Arts-Economy.Rmd using the programming language R in the application RStudio. The source files can be accessed on GitHub here: <https://github.com/gstammer/NC-Arts-Economy>

After changing the code in the .Rmd file, it must be “knit” into the final HTML file, which is then ready for use.

For further information on using R, and the Leaflet library in particular:

Learning R/RStudio: <https://education.rstudio.com/learn/>

Leaflet for R: <https://rstudio.github.io/leaflet/>

Leaflet JavaScript documentation: <https://leafletjs.com/>

Updating the data

To update the data, you must change lines 22 (population), 33 (GDP), and/or 34 (employment) in the NC-Arts-Economy.Rmd file. This will work best if the format of the dataset is the same as the original 2021 datasets taken from the BEA & OSBM. If the format is different, then further code alterations will be necessary in order to make the data work with the map

Population data should be from the NC OSBM's dataset "County Population Totals".

URL as of April, 2023:

<https://demography.osbm.nc.gov/explore/dataset/county-population-totals/export/?disjunctive.county&disjunctive.region&disjunctive.cog&disjunctive.msa&disjunctive.vintage&disjunctive.estimateprojection>

```
JobsDataSource <- "Arts-Employment-2021.csv"
```

Note about data

As of April 2023, the most recent available data for population, GDP, and employment is from 2021. The sources (OSBM and BEA) are linked in the section above. Data on the geographic boundaries of counties was also obtained from the OSBM