YAML config file instructions:

MAIN CONFIG FILE (see cedar\_config.yml for details):

categories: Contains a list of categories. Each category consists of a name, a summary, and a list of datasets, and is the highest division of data in the webpage.

category/name: the name of the category in question, such as “Air pollution” or “Chemical and Hazardous Waste”

category/summary: the summary of the category in question. Used to display general information about the category in question to make navigating the category easier.

Category/datasets: A list of datasets. Each dataset corresponds to one dataset on the CEDaR website.

Category/dataset/pageLink: The name of the link in the sidebar to navigate to a new page.

Category/dataset/datasetName: The name of the dataset, usually the .csv name, the .shp name, or the name of the folder.

Category/dataset/fileFormat: The format that the data is in. So far this website supports .csv and .shp, but we should implement plans to support data in .xslx, .txt, and maybe even .pdf.

Category/dataset/summary: The summary of the dataset in question.

Category/dataset/originalDataSource: A link to the original website where the data was pulled from.

Category/dataset/dataDictionaryAvailable: true if there is a data dictionary available, false if not.

Category/dataset/dataDictionaryBucket: The google drive bucket that contains the dataset. This will always be “cedar-datasets” unless you choose a different dataset.

Category/dataset/dataDictionaryBlob: The file path from the bucket to the data dictionary file in question. Look up blobs on google cloud and the example config file for more information.

Category/dataset/dataDictionaryFilename: The pure name and extension of the data dictionary in question from google cloud.

Category/dataset/dataDictionaryMime: The mime type of the dictionary file. See <https://developer.mozilla.org/en-US/docs/Web/HTTP/Basics_of_HTTP/MIME_types/Common_types> for more information on mime types.

Category/dataset/visualizationAvailable: true if there is a visualization available, false if not.

Category/dataset/visualizationLink: The link to the yaml with visualization data on it.

Category/dataset/yearNumericSliderFilterer: Corresponds to a widget that lets you filter the min and max years for the data.

Category/dataset/yearNumericSliderFilterer/title: The title of the yearNumericSliderFilterer, eg. “Years of dataset”

Category/dataset/yearNumericSliderFilterer/min: The minimum value that the yearNumericSliderFilterer can have.

Category/dataset/yearNumericSliderFilterer/max: The maximum value that the yearNumericSliderFilterer can have.

Category/dataset/yearNumericSliderFilterer/columnName: The name of the column in the .csv that you are filtering.

category/dataset/multipleTextOptionsFilterers: Corresponds to a widget that lets you filter only certain values from a category.

category/dataset/multipleTextOptionsFilterer/title: The title of the multipleTextOptionsFilter, eg: “select counties:”

category/dataset/multipleTextOptionsFilterer/allOptions: A list of all of the possible values that the dataset can have at the column of interest.

category/dataset/multipleTextOptionsFilterer/defaultOptions: A list of all of the default values that the dataset would have at the column of interest. Might be redundant.

category/dataset/multipleTextOptionsFilterer/title: The name of the column that you are selecting from.

Category/dataset/csvDownloadLink: The google drive link to download the csv.

Category/dataset/csvFileDownloadName: The download name of the csv file to be saved.

VISUALIZATION CONFIG FILE (see exampleVisual.yml for details)

Title: The title of the visualization being displayed.

Summary: A summary of the dataset being displayed.

CompositionDatasets: A list of selctions for the main variable of interest in your visualization. Note that this only works for ACAG.py and needs to be generalized for all other visualization.

CompositionDatasets/CompositionDatasetTitle: The title explaining the compositions.

CompositionDatasets/CompositionVariableSliderTitle: The name of the time slider.

CompositionDatasets/selections: A list of selections with a name and filename source.

CompositionDatasets/selection/selectionName: The name of the selection.

CompositionDatasets/selection/filename: The filename associated with the selection.

PollutantDatasets: The widget associated with selecting a pollutant, and the years available with that pollutant.

PollutantDatasets/PollutantDatasetTitle: The name of the widget selecting pollutants.

PollutantDatasets/Pollutants: One of the pollutants used in the variable.

PollutantDatasets/Pollutant/selectionName: The name of one selection of pollutant to be used as a variable.

PollutantDatasets/Pollutant/min: The minimum year that the pollutant is available.

PollutantDatasets/Pollutant/max: The maximum year that the pollutant is available.

PollutantDatasets/Pollutant/defaultValue: The default year of the variable. Optional, you can get rid of this.

PollutantDatasets/Pollutant/caption: A more detailed caption of the variable to be displayed.

sourceFile: The source of this dataset.

sourceFile/fileType: .zarr, .csv, .shp, the format that the visualization is stored in.

sourceFile/filename: the name of the local file that the visualization is stored in. Might want to change this to be in google cloud as well.

Folium\_map: A python library for displaying a map.

Folium\_map/latitude: The latitude displayed in the map. For Utah, keep this at 39.6

Folium\_map/longitude: The longitude displayed in the map. For Utah, keep this as -111.5

Folium\_map/min\_zoom: The minimum zoom of the map. Default is 6 but if you want to zoom out more you can make it higher/lower.

Folium\_map/max\_zoom: The maximum zoom of the map. Default is 12 but if you want to zoom in more or less you can make it higher/lower.

Folium\_map/zoom\_start: The starting zoom of the map. Default is 7.

Folium\_child: If you have configured your visualization to be a child of the folium map, you need one of these to configure the child’s values.

Folium\_child/file\_type: The type of file used to create the child. Possible values (so far) are .shp and .zarr. More will be added in the future.

Folium\_child/fileLink: If you wish to store the files remotely, this is where you’d put the link. Not implemented yet, but recommended to be implemented.

Folium\_child/opacity: The default opacity of the map.

Folium\_child/Mercator\_project: Whether you want Mercator projection on the map.

Folium\_child/minLatitude: The minimum latitude that the map will display.

Folium\_child/minLongitude: The minimum longitude that the map will display.

Folium\_child/maxLatitude: The maximum longitude for the map to display.

Folium\_child/maxLongitude: The maximum longitude for the map to display.

colorMapGradient: Configurations for the color palette of the map.

colorMapGradient/colorMapName: The color palette of the map. See <https://matplotlib.org/stable/tutorials/colors/colormaps.html>

colorMapGradient/minMapValue: The minimum value of color value for the map.

colorMapGradient/maxMapValue: The maximum value of color value for the map.

numbersBetweenMinAndMax: The number of steps between the min and max.