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Issues with Choropleth #267



Jason Siu

4 months ago in [General](#)

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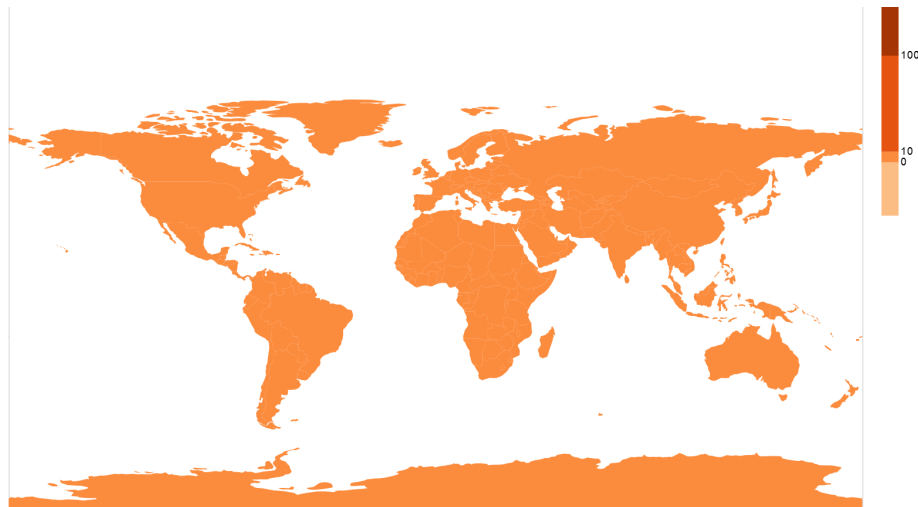
VIEWS

Hi,

I am trying to make the similar graph learnt in studio, and managed to get the map operated correctly. However, I am failed to present the correct color corresponding to the values. Is there any solution?

Here is the [link](#) of my dataset (Not for assignment but for practice *ONLY*)

Following is the photo and code :



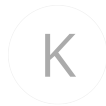
```
{
  "$schema": "https://vega.github.io/schema/vega-lite/v5.json",
  "title": ")",
  "width": 800,
  "height": 600,
  "data": {
    "url": "https://raw.githubusercontent.com/KaneSec/vega_lite/main/3_choropleth_map/js/n",
    "format": {
      "type": "topojson",
      "feature": "ne_110m_admin_0_countries"
    }
  },
  "transform": [
    {
      "lookup": "properties.NAME",
      "from": {
        "data": {
          "url": "/testing_HDI.csv"
        }
      },

```

```
      "key": "Country",
      "fields": [
        "Test2005"
      ]
    },
    {
      "calculate": "datum.Test2005 + 0.1",
      "as": "values"
    }
  ],
  "projection": {
    "type": "equiarectangular"
  },
  "mark": {
    "type": "geoshape"
  },
  "encoding": {
    "color": {
      "field": "values",
      "type": "quantitative",
      "scale": {
        "type": "threshold",
        "domain": [
          0,
          10,
          100
        ]
      },
      "range": [
        "#fdbe85",
        "#fd8d3c",
        "#e6550d",
        "#a63603"
      ]
    }
  },
  "tooltip": [
    {
      "field": "properties.NAME",
      "type": "nominal",
      "title": "Country"
    },
    {
      "title": "Values",
      "field": "Test2005",
      "type": "quantitative"
    }
  ]
}
```

Thank you!

2 Answers



Kane Li STAFF

4 months ago



Hi Jason,

A few issues:

1. The csv data that you has is not clean. There is an empty space in front of all the country names. This is fatal, as you wont be able to match the country name in the csv and the topojson.

```
HDI Rank, Country, 1990, 1991, 1992, 1993, 1994, 1995, 1
169.00,  Afghanistan, 0.30, 0.31, 0.32, 0.31, 0.31, 0.3
69.00,  Albania, 0.65, 0.63, 0.62, 0.62, 0.62, 0.64, 0.6
91.00,  Algeria, 0.57, 0.58, 0.58, 0.59, 0.59, 0.60, 0.6
36.00,  Andorra, ....., 0.8
148.00,  Angola, ....., 0.39, 0
78.00,  Antigua and Barbuda, .....,
```

I have removed this space and upload the data here:

https://raw.githubusercontent.com/KaneSec/vega_lite/main/0_students_questions/data/HDI.csv

Attached it here as well:



HDI.csv

2. There is no need to use classification colour scale here, as the data values are between 0 and 1 already, and the default colour mapping should be fine.

3. I changed the country name mapping from "NAME" to "NAME_LONG", which might be the standard used in the csv file.

Attached the vega-lite codes here:

```
{
  "$schema": "https://vega.github.io/schema/vega-lite/v5.json",
  "title": "",
  "width": 800,
  "height": 600,
  "data": {
    "url": "https://raw.githubusercontent.com/KaneSec/vega_lite/main/3_choropleth_map/js/n",
    "format": {
      "type": "topojson",
      "feature": "ne_110m_admin_0_countries"
    }
  },
  "transform": [
    {
      "lookup": "properties.NAME_LONG",
```

```

    "from": {
      "data": {
        "url": "https://raw.githubusercontent.com/KaneSec/vega_lite/main/0_students_ques",
      },
      "key": "Country",
      "fields": [
        "2019"
      ]
    }
  ],
  "projection": {
    "type": "equiarectangular"
  },
  "mark": {
    "type": "geoshape"
  },
  "encoding": {
    "color": {
      "field": "2019",
      "type": "quantitative"
    }
  },
  "tooltip": [
    {
      "field": "properties.NAME",
      "type": "nominal",
      "title": "Country"
    },
    {
      "title": "Test2005",
      "field": "Test2005",
      "type": "quantitative"
    }
  ]
}

```



Jason Siu 4mth

Thanks Kane!

...



Lap Khong

4 months ago

Hi there, I was facing the same problem yesterday and I finally fixed it for me like 5 minutes ago, for line 18 of the key url, I think you're supposed to include the raw GitHub user content link instead of a local path (/testing_HDI.csv"), unless you're using vega viewer. I might be wrong, but if you remove the {"calculate"...} part of your code you should see nothing on the map!

In your case the raw GitHub content link will be

<https://raw.githubusercontent.com/JasonXsiu/asda/main/HDI.csv>

Let me know if it worked!



Jason Siu 4mth

Thanks Lap!

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