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Bar Chart - Sorting Breaks #553

P

Peter Bustamante

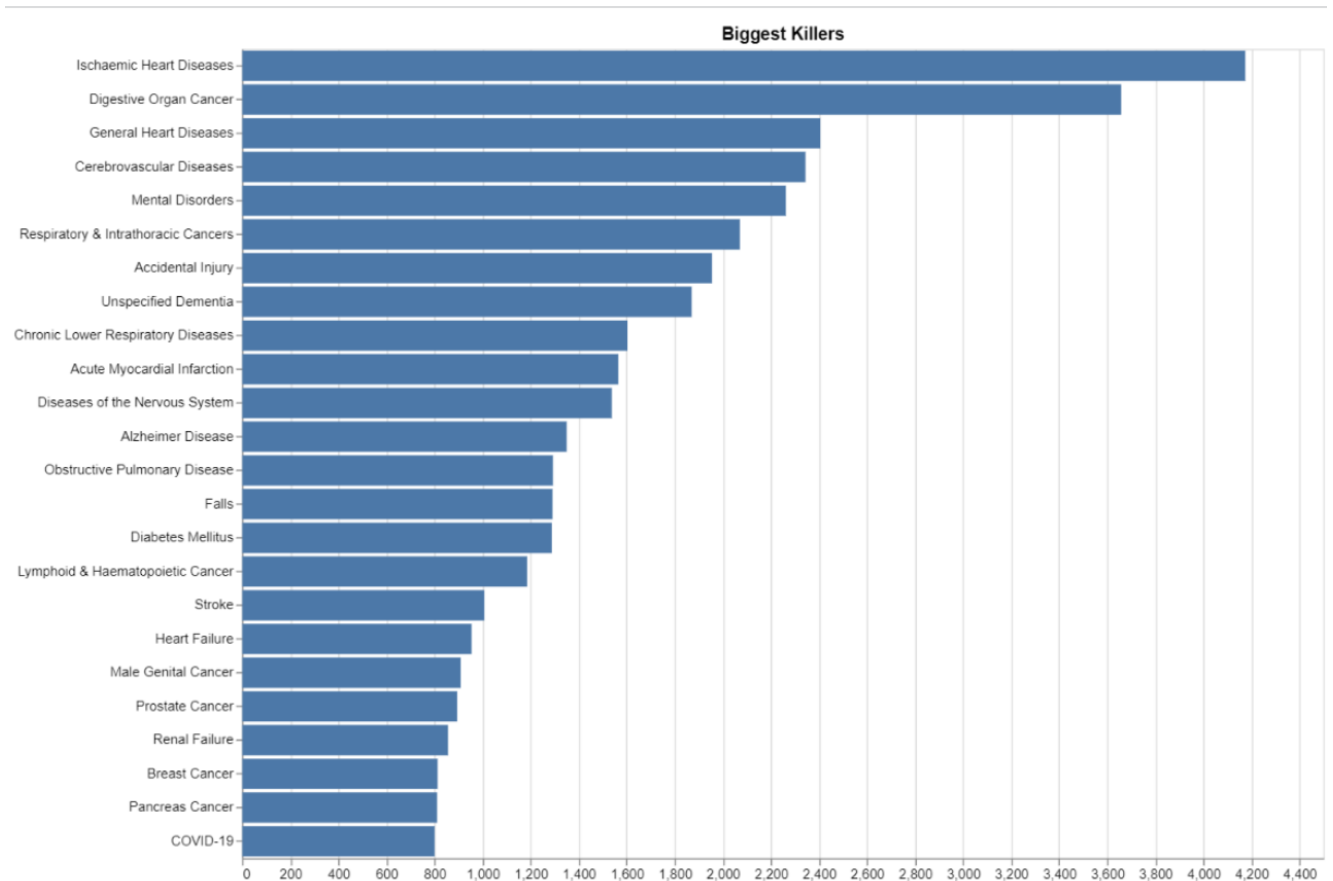
4 months ago in **Assignments – Vis 2 Vega-Lite**

159

VIEWS

Hey guys!

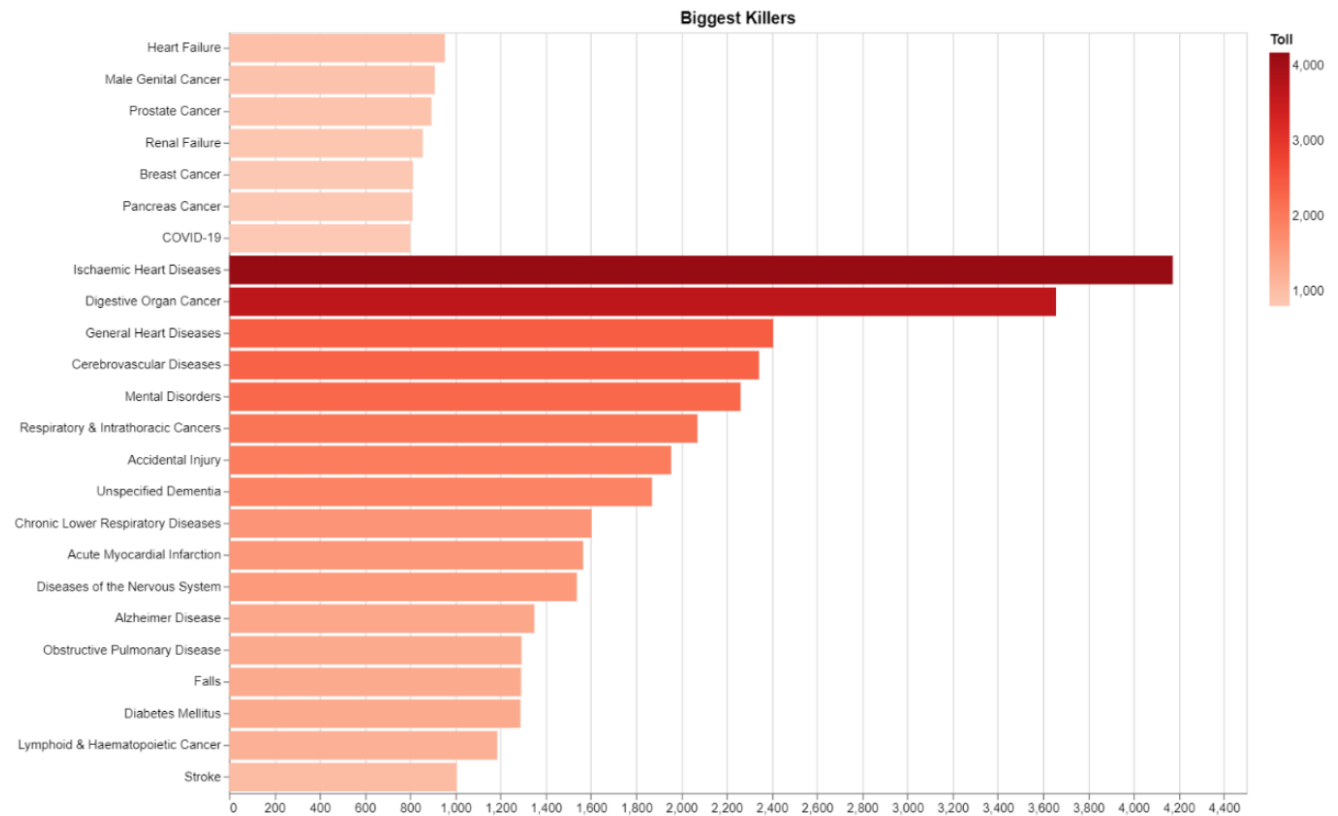
I was creating a simple bar chart, and before putting in a colour scheme, everything worked fine:



Code:

```
{
  "$schema": "https://vega.github.io/schema/vega-lite/v5.json",
  "width": 800,
  "height": 600,
  "title": "Biggest Killers",
  "data": {"url": "https://raw.githubusercontent.com/githubuser0099/Assignment2.1/main/C"},
  "mark": "bar",
  "encoding": {
    "x": {"field": "Toll", "type": "quantitative", "title": ""},
    "y": {"field": "Cause Of Death", "type": "nominal", "title": "", "sort": "-x"}
  }
}
```

However, after putting in a colour scheme, biggest killers darkest red, smallest killers lightest red, the sorting sort of.. broke? Partially?



Code:

```
{
  "$schema": "https://vega.github.io/schema/vega-lite/v5.json",
  "width": 800,
  "height": 600,
  "title": "Biggest Killers",
  "data": {"url": "https://raw.githubusercontent.com/githubuser0099/Assignment2.1/main/C"},
  "mark": "bar",
  "encoding": {
    "x": {"field": "Toll", "type": "quantitative", "title": ""},
    "y": {"field": "Cause Of Death", "type": "nominal", "title": "", "sort": "-x"},
    "color": {
      "field": "Toll",
      "type": "quantitative",
      "scale": {"scheme": "reds"}
    }
  }
}
```

I tried putting a "SORT" property inside the scale element, but apparently that's a forbidden property to have in there. I also tried putting a sort within the color element, but that didn't change anything, any ideas?

1 Answer

K

Kane Li STAFF

4 months ago

✓ After you add "color", Vega-Lite somehow considers "Toll" as the original type - "String", so it thinks "954" > "4174".

Add a transformation to change "Toll" to "int" at the start will solve the issue.

```
{
  "$schema": "https://vega.github.io/schema/vega-lite/v5.json",
  "width": 800,
  "height": 600,
  "title": "Biggest Killers",
  "data": {"url": "https://raw.githubusercontent.com/githubuser0099/Assignment2.1/main/C"},
  "transform": [
    {"calculate": "parseInt(datum.Toll)", "as": "Toll"}
  ],
  "mark": "bar",
  "encoding": {
    "x": {"field": "Toll", "type": "quantitative", "title": ""},
    "y": {"field": "Cause Of Death", "type": "nominal", "title": "", "sort": "-x"},
    "color": {
      "field": "Toll",
      "type": "quantitative",
      "scale": {"scheme": "reds"}
    }
  }
}
```

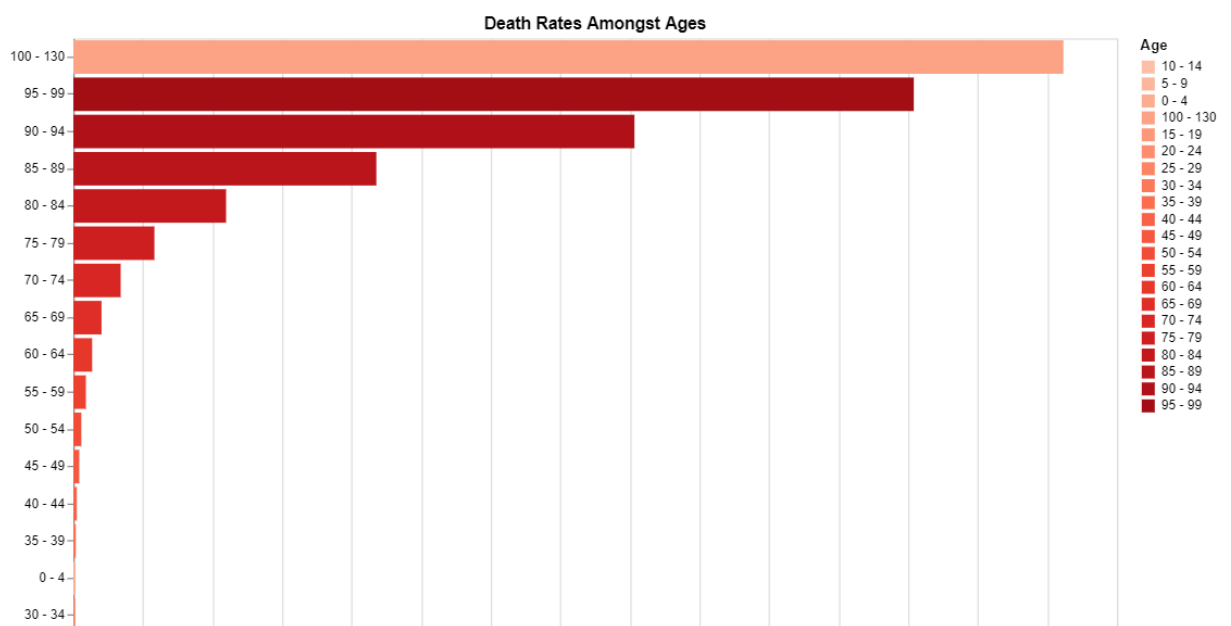
Cheers,

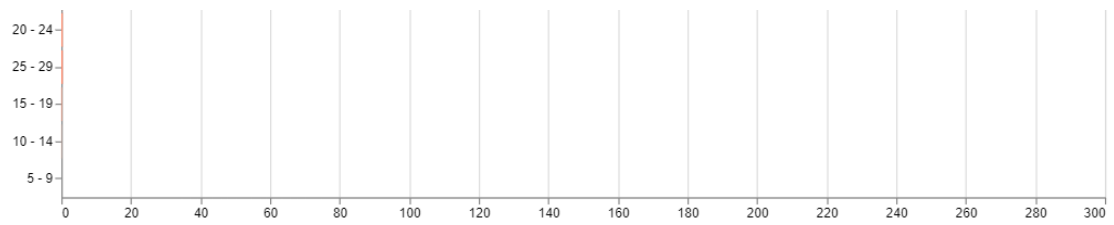
Kane

P

Peter Bustamante 4mth

Sorry just one other thing Kane, I tried a similar approach on this bar chart, but for some reason the final value has a light colour?





I checked the csv file and everything is formatted correctly:



[age_bracket_bar_chart.json](#)

...

P

Peter Bustamante 4mth

Thanks Kane! Really appreciate it.

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