

Global Data Visualization of Olympics Data (1924-2006)

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Screenshot from report-1

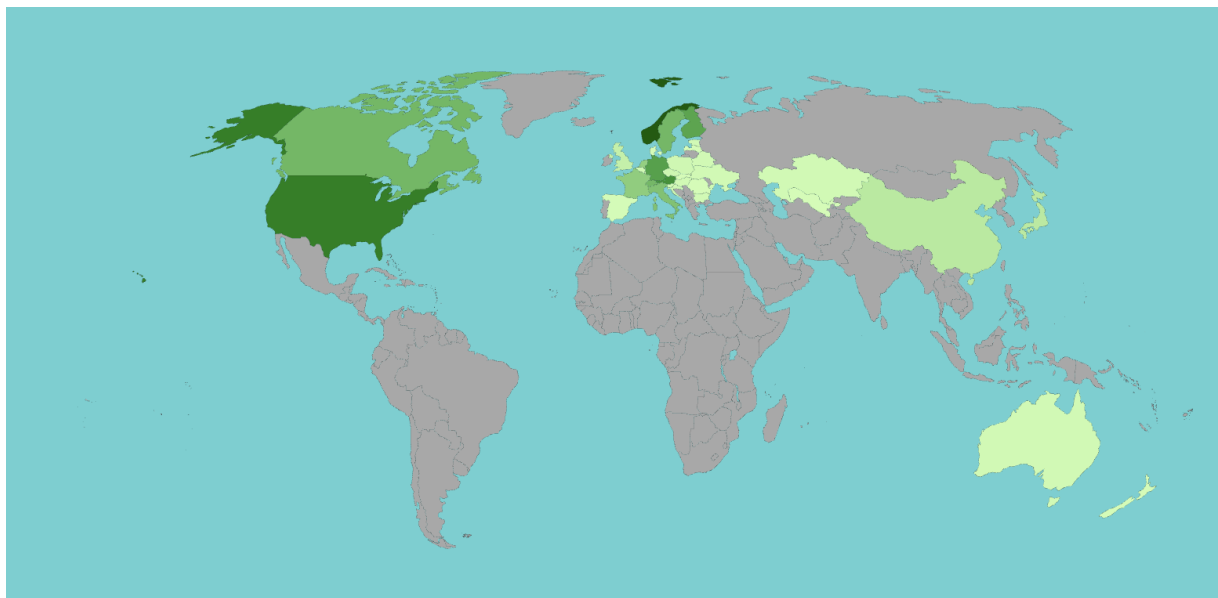


fig-1

Screenshot after dynamically adding color

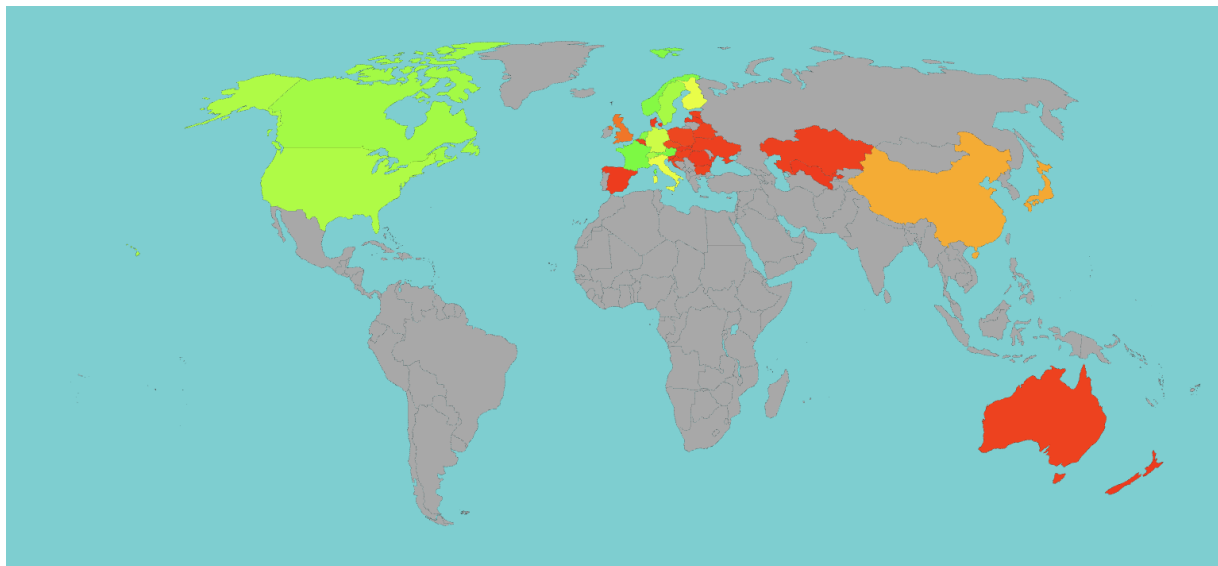


Fig-2

Conclusion

The colors in fig-2 have been programmatically applied using the following function

```
// source - https://gist.github.com/mlocati/7210513
const perc2color = (perc) => {
  var r,
  g,
  b = 0;
  if (perc < 50) {
    r = 255;
    g = Math.round(5.1 * perc);
  } else {
    g = 255;
    r = Math.round(1510 - 5.1 * perc);
  }
  var h = r * 0x10000 + g * 0x100 + b * 0x1;
  return "#" + ("000000" + h.toString(16)).slice(-6);
};
```

The input to the function is the number of medals won by a country. This image has been tested with the color blindness simulator, and even though there were some variations in the color, it was still distinguishable. The visualization intends to show the number of medals won by a country, as more intense colors mean more medals won and vice-versa. This information is captured very well in the visualization.