



# Choropleth of discrete variables



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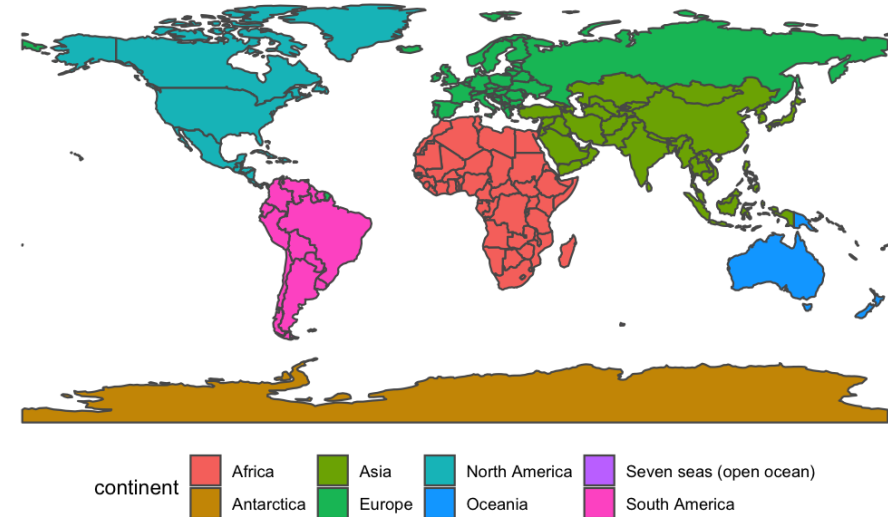


# What is a choropleth?

A choropleth is a shaded area map.

Choropleth can communicate two types of variable:

- Discrete (categorical) variables
- Continuous variables

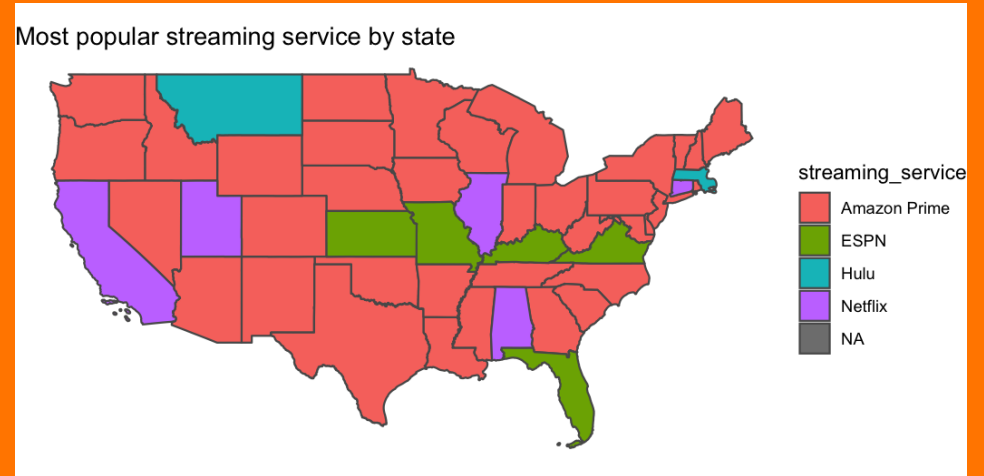




# My turn

I'm going to work on improving this chart in three ways:

- Ordering the legend from most to least popular streaming service
- Picking alternative color palettes
- Specifying custom (manual) color palettes

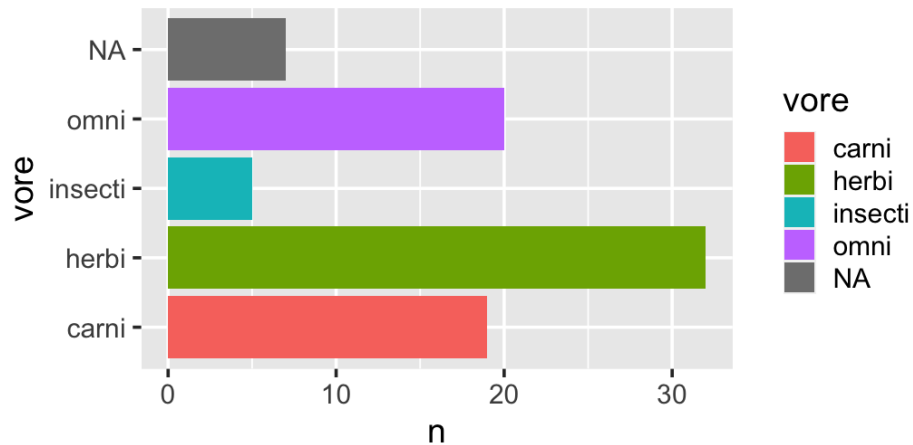




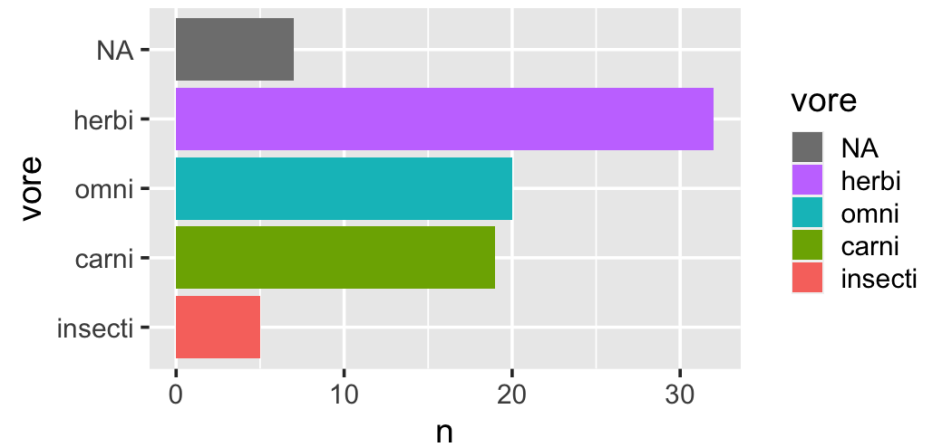
# Geom and Guide order and factors

We use `factors` to control the order of both geoms and guides.

- Default (alphabetical) ordering



- Reordered by frequency



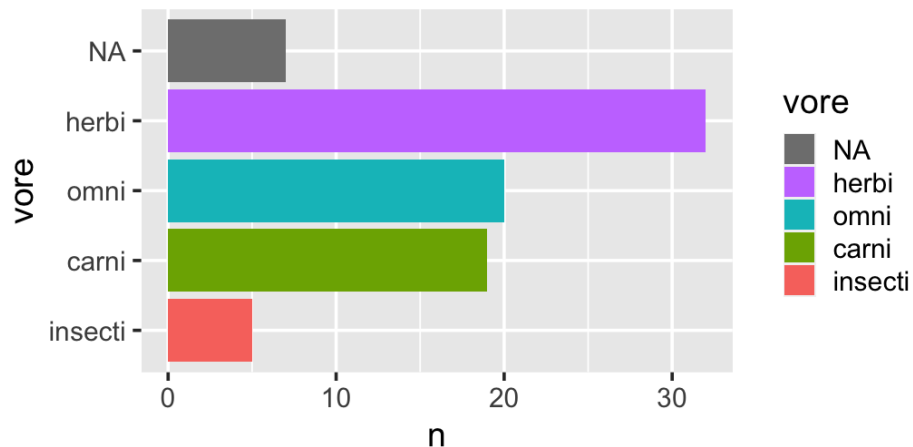


# NA values in factors

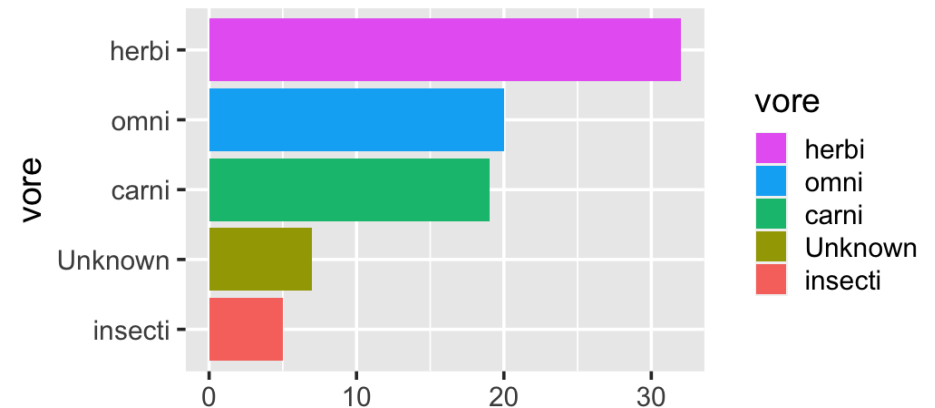
NA is always placed at the end of a factor's levels.

The only way to change this is with `fct_explicit_na()`

- Default behaviour of a factor with NA values



```
data %>%  
  fct_explicit_na(vore, "Unknown") %>%  
  ...
```





# Your turn

Use the `your-turn.R` script in 02\_06 to make this map.

- Use the custom colors.
- Ensure the guide is ordered by size of region.
- Add a title to the guide.

