

CGT 270 Data Visualization
Makeover Monday #1 (2018 Dataset)

Name: Joy (Chia-Hua) Lin

Date: October 20th, 2021

Lab section: Wednesday Lab

Show your work!!!

Acquire

Week: 18

Date: April 20

Year: **2018**

Data: Bee Colony Loss in the United States

Source Article/Visualization:

Bee Colony Loss in the United States

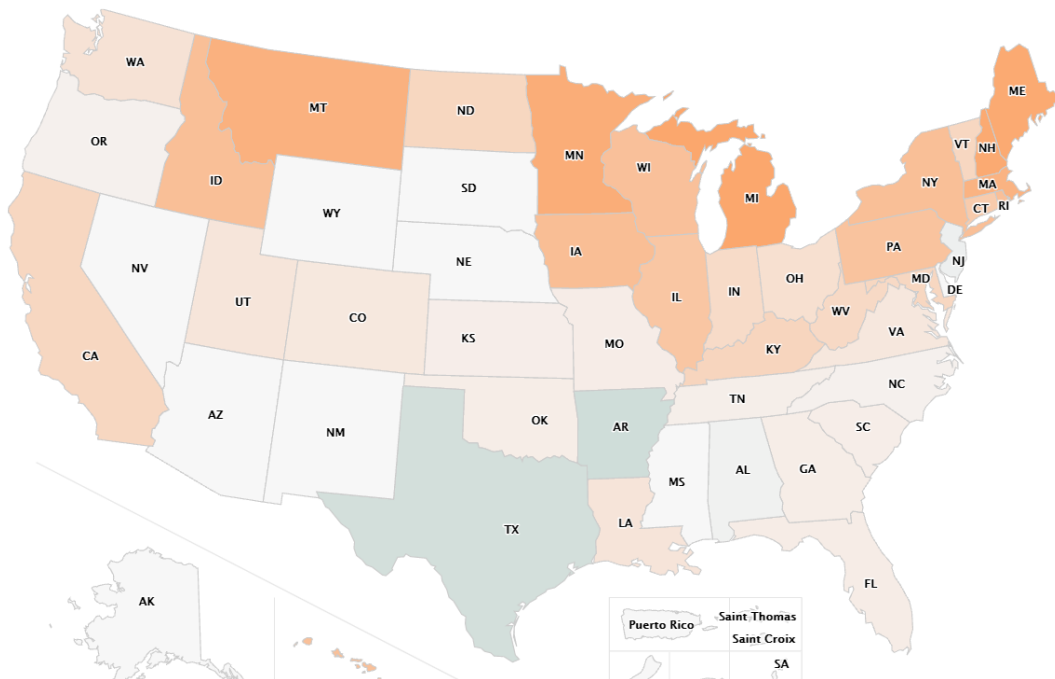
Collaboration with Viz For Social Good

Data Source: BeelInformed (check out their blog for additional information)<https://www.makeovermonday.co.uk/data/data-sets-2018/>

Additional Data: [Honey Bee Colonies](#)

Represent

2010/11 Average Annual All Colony Loss



Critique

I think that the two color scale is unnecessary and doesn't add anything that a one color scale wouldn't.

Mine

What is the annual loss of bee colonies per state in the year 2010/11?

Fall 2021

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Filter

| | T year ▾ | T season ▾ | T state ▾ | # total_annual_loss ▾ | # |
|----|-----------------------|-------------------------|------------------------|-----------------------|---|
| 1 | 2016/17 | Annual | Massachusetts | 0.159 | |
| 2 | 2016/17 | Annual | Montana | 0.171 | |
| 3 | 2016/17 | Annual | Nevada | 0.23 | |
| 4 | 2016/17 | Annual | Maine | 0.233 | |
| 5 | 2016/17 | Annual | Wyoming | 0.234 | |
| 6 | 2016/17 | Annual | Hawaii | 0.262 | |
| 7 | 2016/17 | Annual | Mississippi | 0.263 | |
| 8 | 2016/17 | Annual | West Virginia | 0.266 | |
| 9 | 2016/17 | Annual | Idaho | 0.273 | |
| 10 | 2016/17 | Annual | Florida | 0.292 | |

Stakeholders

- Who is your audience?
 - My audience is beekeepers and people who care about the environment.
- What assumptions did you make?
 - I assume that the total_annual_loss column is the proportion of the original colonies in the state lost, and that the result is compounded per state instead of additive.
- What visualization tool/software did you use?
 - I used Tableau to visualize my data.

What to submit: This document in PDF format only (if you do not know how to do this, ask).

Choose the best layout for your makeover visualization

- Portrait or Landscape
- Remove the page of the layout that you DO NOT choose. No blank pages!

Refine (Makeover – Portrait View)

Use an additional page if necessary. Remember, the purpose of visualization is “insight.” Take and include a screenshot of your visualization and include it below. Use Data Visualization Best Practices (see data visualization checklist).

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Refine (Makeover – Landscape view)

Use an additional page if necessary. Remember, the purpose of visualization is “insight.” Take and include a screenshot of your visualization and include it below. Use Data Visualization Best Practices (see data visualization checklist).

Annual bee colony loss per state for 2010/11

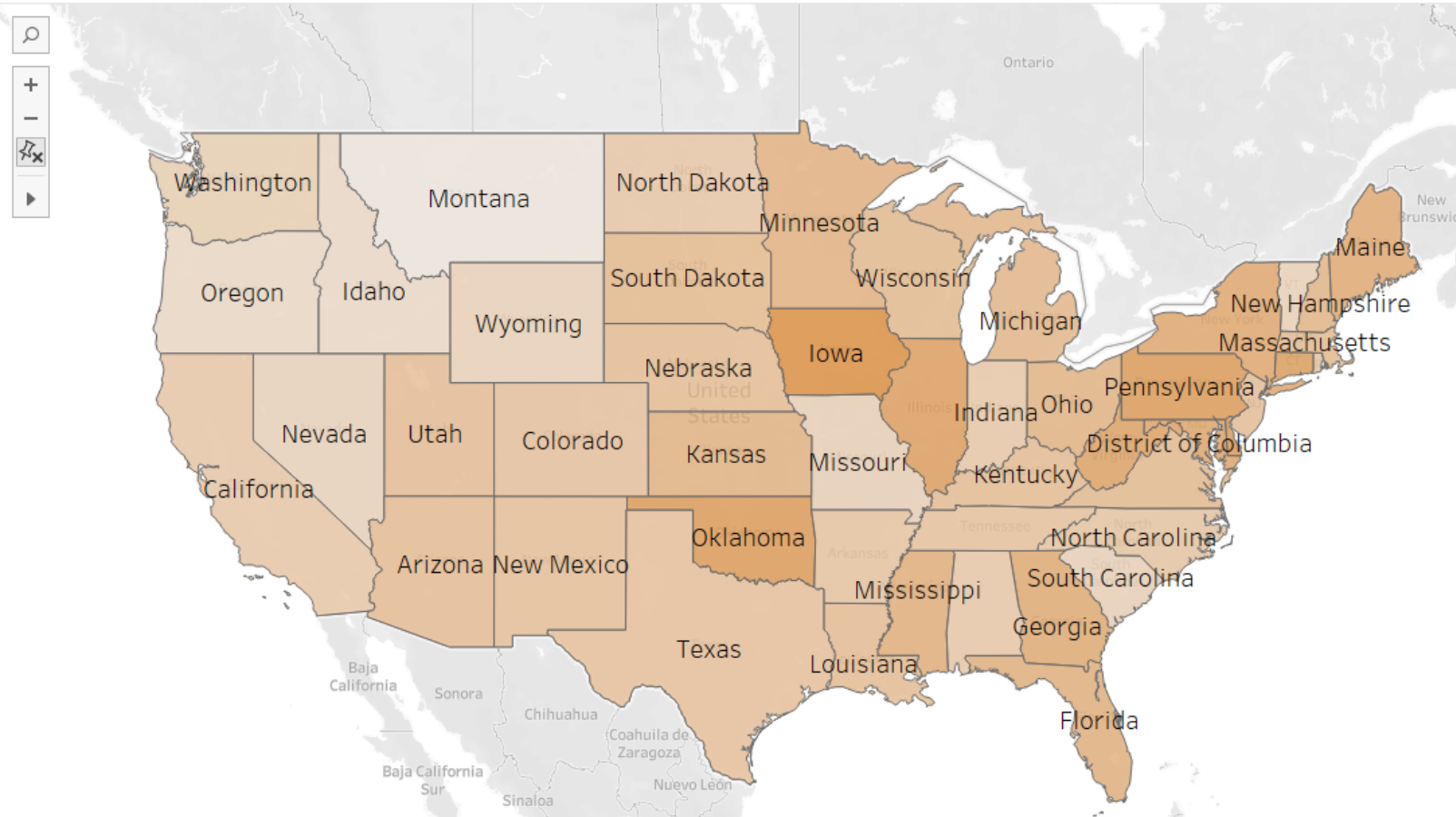


Figure Caption. Annual bee colony loss per state in the year 2010/2011.

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Resources

Data Visualization Checklist:

http://stephanieevergreen.com/wp-content/uploads/2016/10/DataVizChecklist_May2016.pdf

How to give constructive criticism:

<https://personalexcellence.co/blog/constructive-criticism/>

Sample Makeovers

<https://www.makeovermonday.co.uk/gallery/>

Grading Rubric

| Excellent (21-25 pts) | Good (10-20 pts) | Fair (5 – 9 pts) | Needs Improvement (0 – 4 pts) |
|---|--|---|--|
| Meets ALL or most of these: Makeover is esthetically pleasing (color, perception), best practices followed (insightful), Correct dataset downloaded; provided an interesting point of view of the data; critiqued previous makeover, critique is constructive (indicates one thing that is done well, and one thing that could be done differently, what will be done to improve the visualization), assumptions (more than one) are listed. | Meets MOST of these: Makeover is esthetically pleasing (color, perception), best practices followed (insightful), Correct dataset downloaded; provided an interesting point of view of the data; critiqued previous makeover, critique is constructive (indicates one thing that is done well, and one thing that could be done differently, what will be done to improve the visualization), assumptions (more than one) are listed. | Consistently meets SOME of these: Makeover is esthetically pleasing (color, perception), best practices followed (insightful), Correct dataset downloaded; provided an interesting point of view of the data; critiqued previous makeover, critique is constructive (indicates one thing that is done well, and one thing that could be done differently, what will be done to improve the visualization), assumptions (more than one) are listed. | Little to no evidence of the understanding of the data visualization process. Lackluster makeover or no makeover. Little effort. |