

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

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Date: 10/20/2021

Lab section: Wednesday Lab

Show your work!!!

Acquire

Week: -

Date: -
South America

Year: **2018**

Data: Turkey Vultures in North and

Source Article/Visualization:

location_long

<https://data.world/makeovermonday/2018-w-4-turkey-vulture-migration-in-north-and-south-america/worksheets/file?filename=Turkey+vultures+in+North+and+South+America+-+migration.xlsx>

Represent

Latitude and Longitude of Butterball the Turkey Vulture

This visualization depicts the latitude and longitude of each time Butterball was checked up on. Overall, Butterball's location tends to fluctuate by a few points, but is generally in the same area.

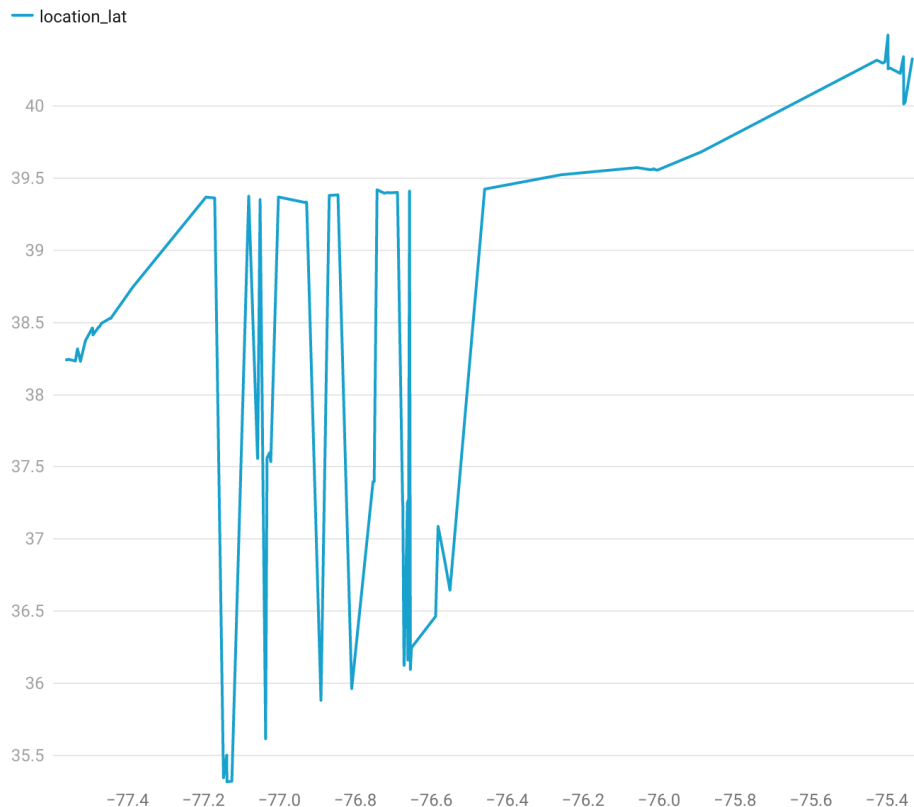


Chart: Samruddhi Tawade • Source: Eva Murray • Created with Datawrapper

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Critique

For this visualization, I am satisfied with how clean and understandable it looks. I think that it is clear what this visualization is trying to convey. However, for the particular focus of latitude and longitude, I believe I could have made a better and more relevant visualization by making into a map instead of a chart. I hope to achieve this in my next visualization.

Mine

For this dataset, I was trying to find out the whereabouts of Butterball each time she was checked up on. I was curious to see if she had to be tracked across great distances because, after all, she is a bird, but was surprised to find out that the locations she was recaptured at were fairly closeby, with variation of about 5 degrees max.

Filter

location_long	-76.7077	-77.492
-75.3972	-76.708	-77.4757
-75.3972	-76.7082	-77.4757
-75.3332	-76.708	-77.4757
-75.3562	-76.708	-77.4758
-75.4265	-76.7062	-77.4757
-75.405	-76.7063	-77.4757
-75.4113	-76.689	-77.4758
-75.4117	-76.7427	-77.4758
-75.4118	-76.8457	-77.4742
-75.4117	-76.8687	-77.4908
-75.4117	-76.9282	-77.5108
-75.4117	-76.9285	-77.5317
-75.4117	-76.9303	-77.5238
-75.3923	-76.9303	-77.5602
-75.397	-76.9303	-77.5598
-75.397	-76.9305	-77.5598
-75.365	-76.93	-77.56
-75.3523	-76.9282	-77.5607
-75.354	-76.93	-77.5605
-75.3542	-76.93	-77.5558
-75.3553	-77.0025	-77.5603
-75.3557	-77.0508	-77.5603
-75.3558	-77.0807	-77.5603
-75.8887	-77.1703	-77.5605
-76.0067	-77.1923	-77.5603
-76.0068	-77.1925	-77.5603
-76.0067	-77.1927	-77.5602
-76.0068	-77.1932	-77.5603
-76.0068	-77.193	-77.5603
-76.0072	-77.1928	-77.56
-76.0162	-77.193	-77.5373
-76.0245	-77.1928	-77.0262
-76.0155	-77.193	-77.0228
-76.0142	-77.192	-77.0227
-76.0142	-77.1918	-77.0325
-76.0068	-77.1917	-77.0573
-76.0068	-77.3865	-77.0573
-76.0067	-77.4448	-77.0573
-76.0068	-77.4452	-77.0573
-76.0068	-77.445	-77.0575
-76.0042	-77.445	-77.0572
-76.0045	-77.4452	-76.7503
-76.0045	-77.4452	-76.7505
-76.058	-77.4452	-76.7503
-76.258	-77.4445	-76.7507
-76.4593	-77.4443	-76.753
-76.6572	-77.4445	-76.7533
-76.7238	-77.4683	-76.7533
-76.7143	-77.4927	-76.675

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-76.6752	-76.6522	-77.1472
-76.6752	-76.6712	-77.1332
-76.675	-76.6718	-77.1382
-76.6755	-76.6607	-77.1382
-76.6607	-76.6613	-77.1382
-76.6608	-76.6615	-77.1382
-76.6608	-76.6615	-77.1382
-76.6608	-76.6615	-77.1382
-76.6608	-76.6615	-77.1382
-76.6608	-76.6607	-77.1382
-76.661	-76.6615	-77.1382
-76.6612	-76.655	-77.1382
-76.6628	-76.8095	-77.1285
-76.582	-76.8905	-77.1283
-76.5655	-77.0362	-77.1272
-76.5508	-77.1387	-77.1252
-76.5885	-77.1385	-77.1252

Stakeholders

- Who is your audience?
- What assumptions did you make?
- What visualization tool/software did you use?

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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Figure Caption. <replace this text with your figure caption>.

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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).

Figure Caption. <replace this text with your figure caption>.

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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.