CGT 270 Data Visualization
Makeover Monday #4 (2021 Dataset)

Name: Jeremy Chen **Date:**11/9/2021

Lab section: Tuesday

Show your work!!!

Acquire

Week: 21

Date: 30.05.2021 Year: **2021** Data: data.world

Source Article/Visualization:

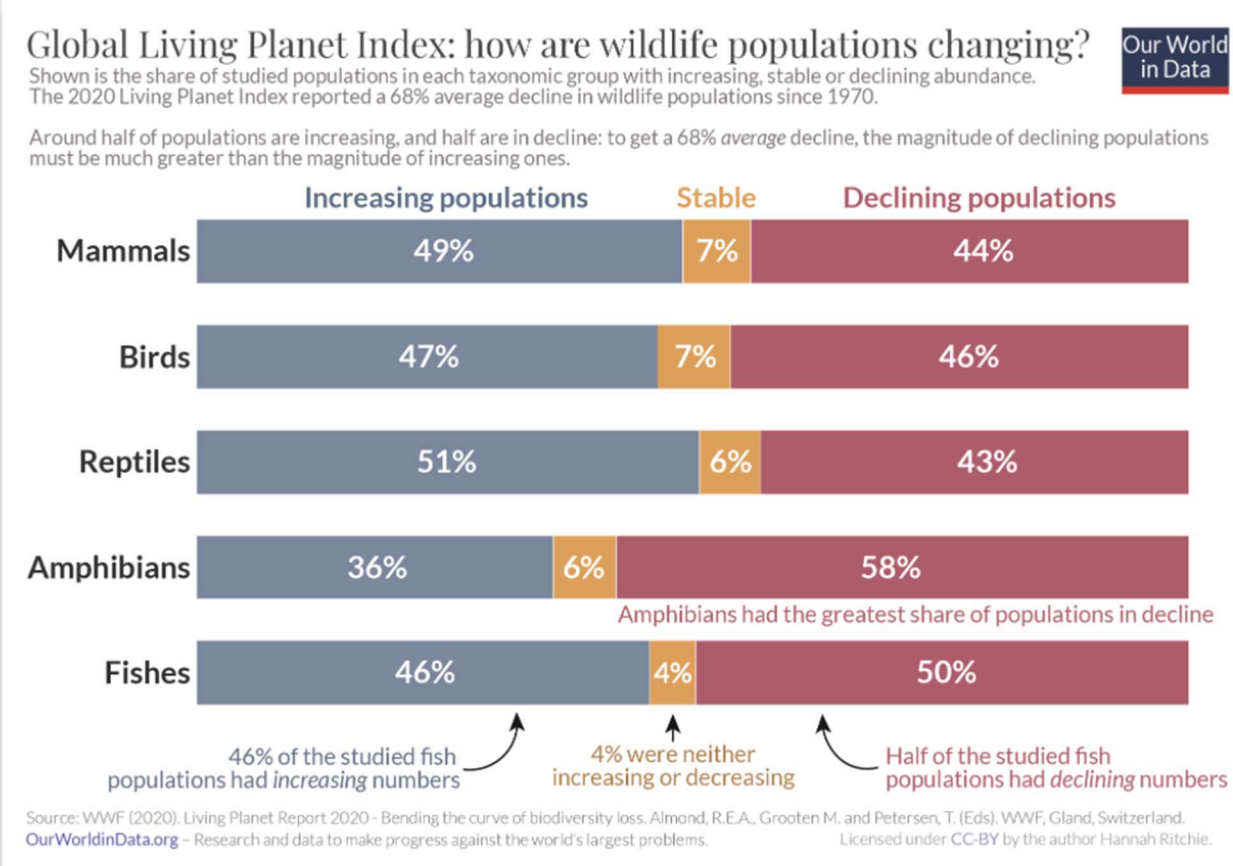
How are wildlife populations changing?

Data Source: Our World in Data

Citation: WWF (2020) Living Planet Report 2020 – Bending the curve of biodiversity loss. Almond, R.E.A., Grooten M. and Petersen, T. (Eds). WWF, Gland, Switzerland

https://www.makeovermonday.co.uk/data/data-sets-2018/

Represent



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Critique

I like how the visualization shows the percentages on the increase/decrease or neither increase/decrease. It looks like the best chart for this is percent bar graph but there are other kinds of graph to show is data. I do not like the fact that there are no labels for the color on the side to indicate which color belongs to what category. This chart is a data visualization which represents the quantitative value of the category. It includes overview detail and convergent thinking helping the readers to reduce the amount of thinking they need when everything is comprehended in first time view. I plan to

Mine

What question(s) are you attempting to answer? Remove this text and highlighting before submitting your work.

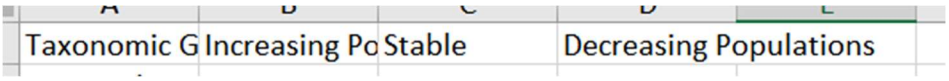
What is the highest percentage that the population is increasing?

Is the population for declining more than the population for increasing?

How does the population being stable help the population in general?

Filter

Show (display, list, make it visible) the filtered data.



Stakeholders

- Who is your audience?

People who are studying about the wildlife population and concerns about extinction.

- What assumptions did you make?

Based on the chart the declining population takes most of the percentage on average.

Being stable only means that they are not reproducing as much and will soon maybe decline.

- What visualization tool/software did you use?

Tableau/paper

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!

NEW Sketch your Makeover

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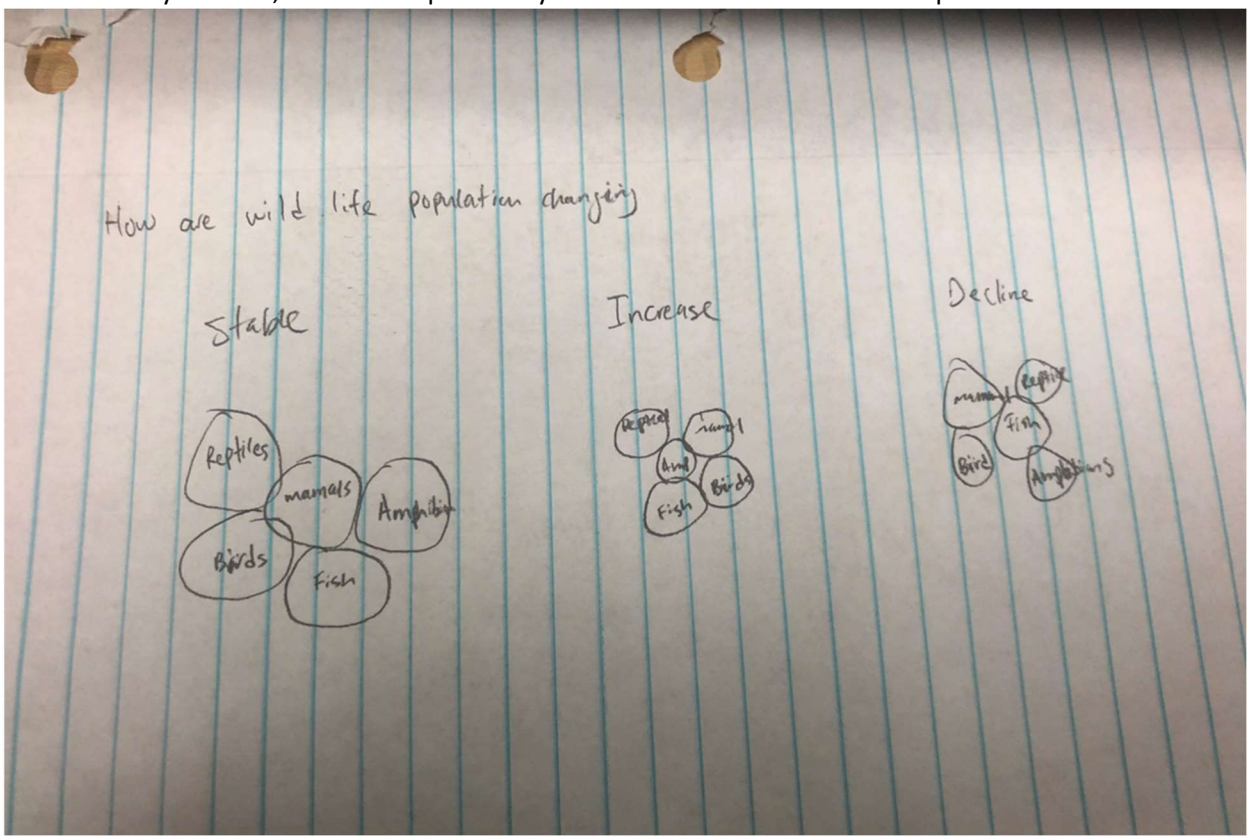
In the space below, sketch out your ideas for refined visualization. You must use pen/pencil and paper to sketch out your idea, then take a photo of your sketch and include it in the space below.



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<u>Refine</u> (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). You MUST use more advanced chart types for your makeover. **Chart types that are not allowed: bar (single or stacked), pie, line charts, scatter plots, no tables.**

Figure Caption. The graph shows the three different quantitative category of the wild life population's change. The size of the circles is corresponding to the percentage.

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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 (11-15 pts)	**Good (6 -10 pts)**	**Fair (2-5 pts)**	**Needs Improvement (0 - 1 pt)**
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.
Sketch included: hand drawn [5 pts]	Sketch included, but was generated by computer [2 pts]	No sketch included. [0 pts]	
Makeover Monday Assessment Completed [5 pts]	Makeover Monday Assessment not completed [0 pts]		