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

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Lab section: Tuesday - 007

Show your work!!!

<u>Acquire</u>

Week: 11

Date: March 14　　　　　　　　　Year: **2021**　　　Data: What is the World's Biggest Cash Crop?

Source Article/Visualization:

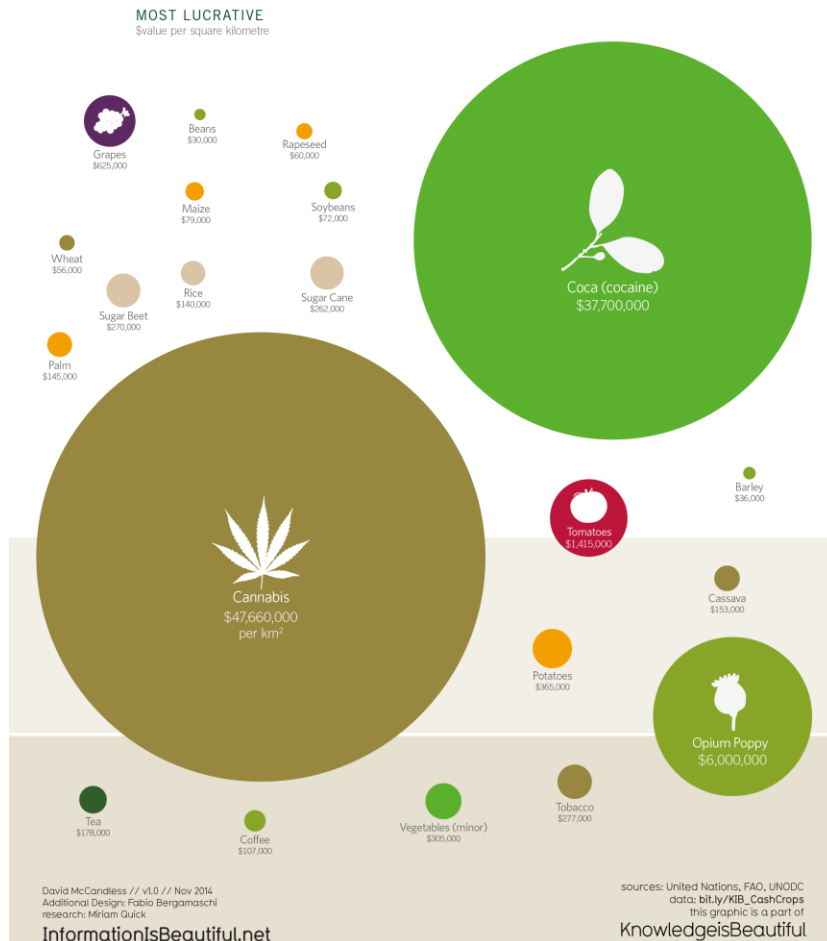From 1961-2019, which crops per region were most harvested, produced the most yield, and produced the most quantity?
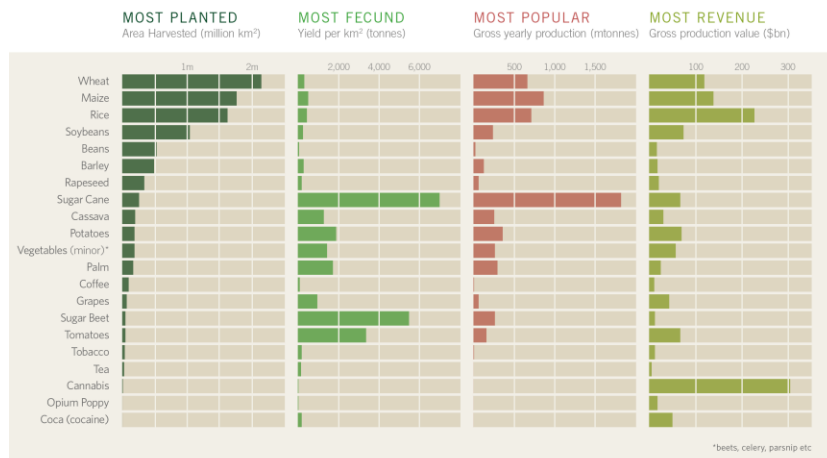
https://www.makeovermonday.co.uk/data/data-sets-2018/

Represent

Critique

I like the comparison between the revenue of the crop to square kilometer of it planted, and the inclusion of visuals in the area chart. To improve this visualization, I want to compare the popularity to the revenue instead of the area harvested to the revenue. In the data, I also noticed there was a variable for geographical region, so I plan to make a symbol map to represent the data.

Overview- depending on the task, visualization can emphasize certain aspects of the data. Convergent thinking is a mode of critical thinking in which a person attempts to reduce complexity through analysis and synthesis. Data viz-visual representation of quantitative data in schematic form without axis.

Mine

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

How does the production of crops compare to their yield across the world?

Filter

Area	Domain	Element	Item	Unit	Year	Value
Asia	Crops	Production	Oilcrops	tonnes	1980	91928361
Asia	Crops	Production	Pulses, Total	tonnes	1980	20521596
Asia	Crops	Production	Roots and Tubers, Total	tonnes	1980	2.26E+08
Asia	Crops	Production	Sugar Crops Primary	tonnes	1980	2.89E+08
Asia	Crops	Production	Treenuts, Total	tonnes	1980	1348804
Asia	Crops	Production	Vegetables Primary	tonnes	1980	1.42E+08
Asia	Crops	Production	Cereals, Total	tonnes	1981	6.57E+08
Asia	Crops	Production	Citrus Fruit, Total	tonnes	1981	13282616
Asia	Crops	Production	Fibre Crops Primary	tonnes	1981	4117368
Asia	Crops	Production	Fruit Primary	tonnes	1981	1.07E+08
Asia	Crops	Production	Oilcrops	tonnes	1981	1.04E+08
Asia	Crops	Production	Pulses, Total	tonnes	1981	22047879
Asia	Crops	Production	Roots and Tubers, Total	tonnes	1981	2.14E+08

Stakeholders

- Who is your audience? What assumptions did you make? What visualization tool/software did you use?
- The audience is executives of manage the trade and production of agricultural crops, government officials who oversee agricultural production, and diplomats who help guide trade between countries.
- I assumed the data was accurate and there are no errors in the data. I also assumed that the audience already has prior knowledge of this section of the economy.
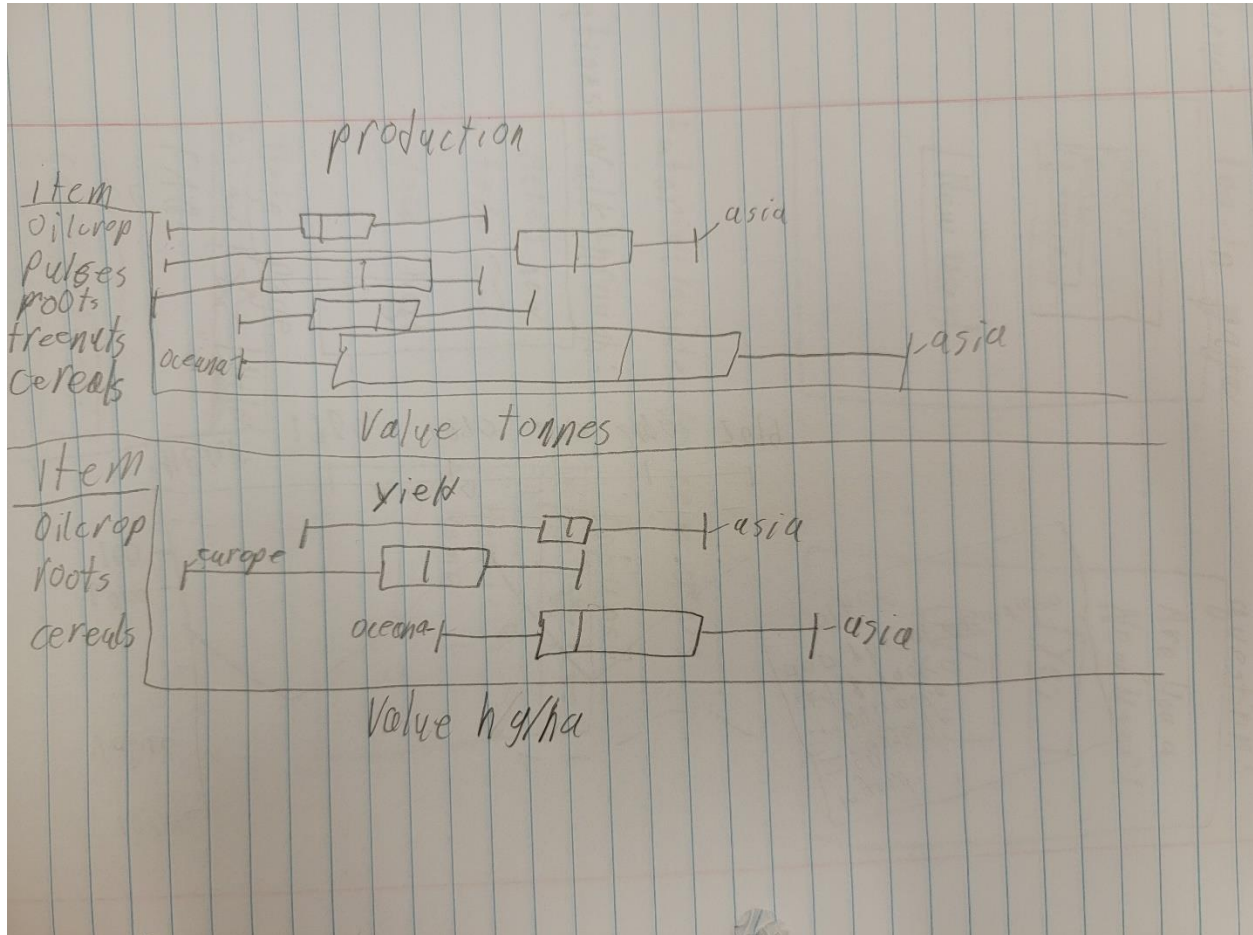
- I used tableau to create the visualization

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!
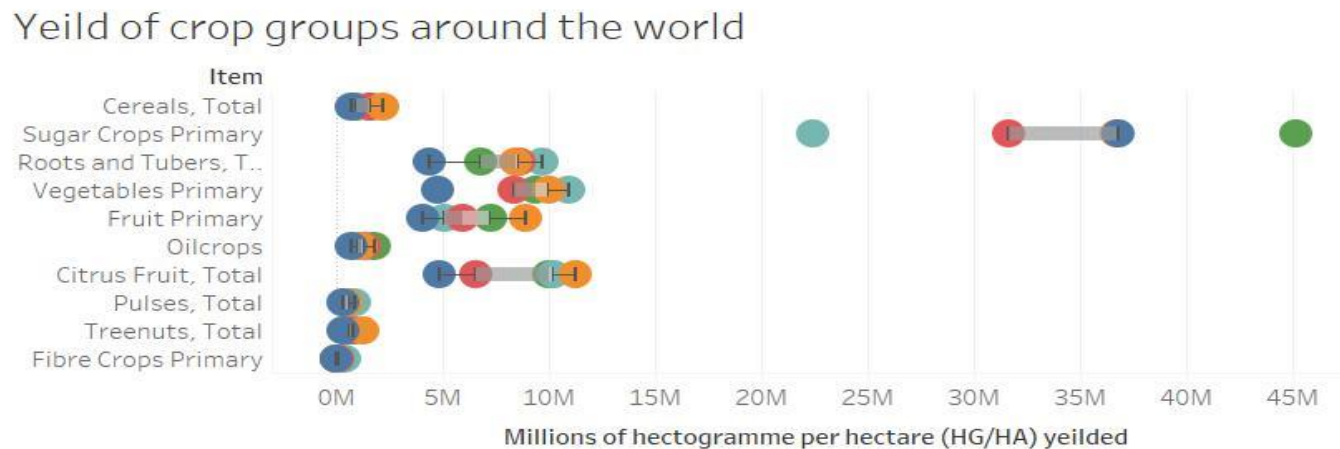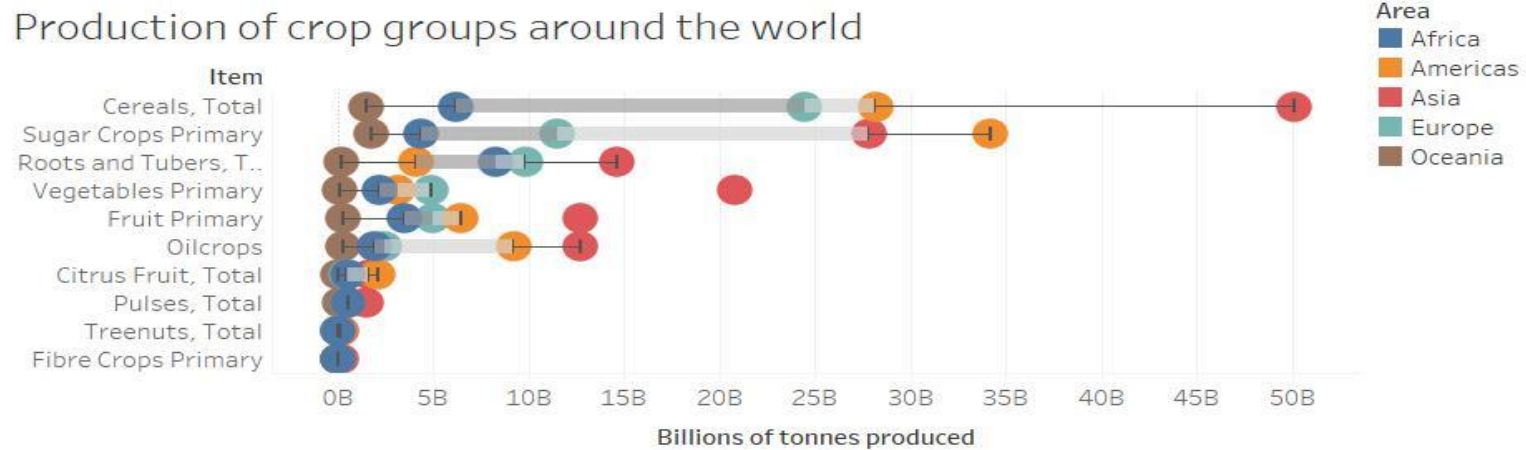
NEW Sketch your Makeover

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.

Refine (Makeover – Landscape view)

Production of crop groups around the world

Item

Cereals, Total
Sugar Crops Primary
Roots and Tubers, T..
Vegetables Primary
Fruit Primary
Oilcrops
Citrus Fruit, Total
Pulses, Total
Treenuts, Total
Fibre Crops Primary

0B   5B   10B   15B   20B   25B   30B   35B   40B   45B   50B

Billions of tonnes produced

Area
- Africa
- Americas
- Asia
- Europe
- Oceania

Yeild of crop groups around the world

Item

Cereals, Total
Sugar Crops Primary
Roots and Tubers, T..
Vegetables Primary
Fruit Primary
Oilcrops
Citrus Fruit, Total
Pulses, Total
Treenuts, Total
Fibre Crops Primary

0M   5M   10M   15M   20M   25M   30M   35M   40M   45M

Millions of hectogramme per hectare (HG/HA) yeilded

Two box and whisker plots that compare the production and yield of crops around the world.

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]		