

CGT 270 Data Visualization
Makeover Monday #2 (2020 Dataset)

Name: Rae Fu Date: 3/24/2022 Max points: 25

Lab section: Thursday

Show your work!!!

Acquire

Week: 38

Date: Sep 21 Year: 2020
[read! - dataset by makeovermonday | data.world](#)

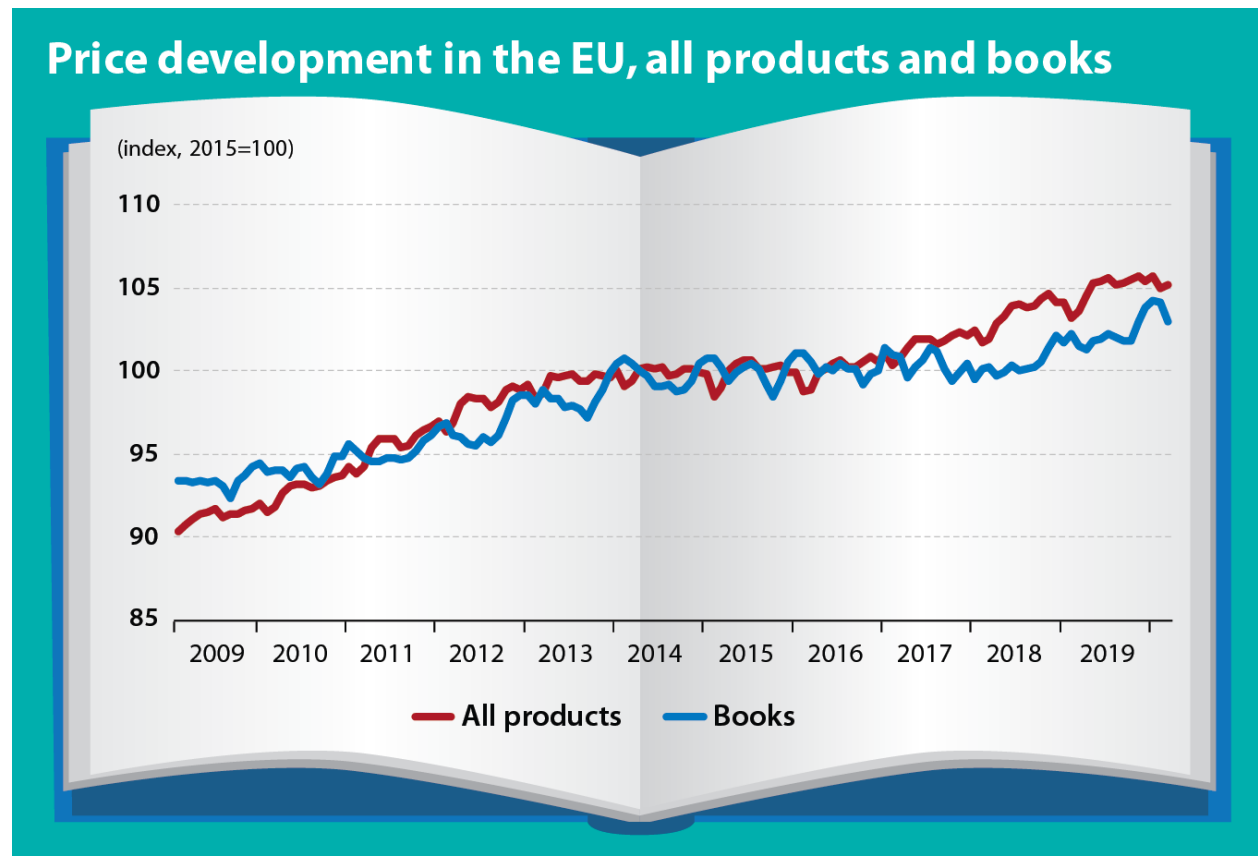
Data: [2020/w38: Pick up a book and](#)

Source Article/Visualization:

[Pick up a book and read!](#)

Data Source: [Eurostat](#)

Represent



ec.europa.eu/eurostat

Critique

Critique the visualization: what do you like about it, dislike about it, what do you plan to do differently?

CGT 270 Data Visualization
Makeover Monday #2 (2020 Dataset)

I like how they decided to use a line graph to represent the change over time. The colors for all products and books are also strikingly different, which makes it easier to see the contrast between the two. However, the y-axis on the index is truncated, it starts at an index of 85. This makes the difference between all products and books look greater than it actually is. I'm also unsure of what the 2015=100 written next to the index label means, is it saying that the index is based on 2015 data? I plan to take a different approach with the data, since with the y-axis starting at 0, there would not be much of a difference between all products and books. I will focus on the different countries on only the book index instead and start the value at 0.

Based on your knowledge of the Periodic Table of Visualization Methods (discussed in class this week), discuss which one of the 6 categories does the visualization you provided in the Represent stage falls in. Identify the method most closely related to the visualization in the Represent Stage and discuss the characteristics: overview, detail, detail AND overview, divergent thinking, convergent thinking. Refer to Week 10 Readings to assist with categorizing the visualization.

The representation is a data visualization with a line graph. It is an overview, convergent thinking. A line chart depicts a variable changing over a continuous time. It uses lines to connect points and color to depict different categories.

Mine

What question(s) are you attempting to answer?

Is there an association between the index for books in different countries in the EU and the location of the country?

Filter

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

Category	Country	Index (2015 = 100)
Books	Austria	98.59
Books	Belgium	94.1
Books	Bulgaria	83.88
Books	Croatia	92.35
Books	Cyprus	92.95
Books	Czechia	90.18
Books	Denmark	89
Books	Estonia	78.14
Books	Finland	92.67
Books	France	94.03
Books	Germany	96.84
Books	Greece	98.31
Books	Hungary	87.23
Books	Iceland	83.68

CGT 270 Data Visualization
Makeover Monday #2 (2020 Dataset)

Books	Ireland	91.82
Books	Italy	94.08
Books	Latvia	85.27
Books	Lithuania	89.52
Books	Luxembourg	94.99
Books	Malta	90.5
Books	Netherlands	101.4
Books	North Macedonia	103
Books	Norway	104.2
Books	Poland	84.17
Books	Portugal	84.56
Books	Romania	88.42
Books	Serbia	85.15
Books	Slovakia	83.59
Books	Slovenia	95.29
Books	Spain	92.21
Books	Sweden	95.56
Books	Switzerland	109.3
Books	Turkey	69.31
Books	United Kingdom	91.03

Stakeholders

- Who is your audience? What assumptions did you make? What visualization tool/software did you use?
The audience is people who are interested in the EU book market. The assumptions are that the data includes all of the EU countries, the index is measured at the same scale of 2015 and the index is found of the same years for the countries. I used tableau.

What to submit: This document in PDF format only (if you do not know how to do this, see Lab 0 Exercise 1). Save this document as: **LastnameFirstInitial_CGT270S22_MakeoverMonday#2.pdf**

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.

CGT 270 Data Visualization
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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). 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.**

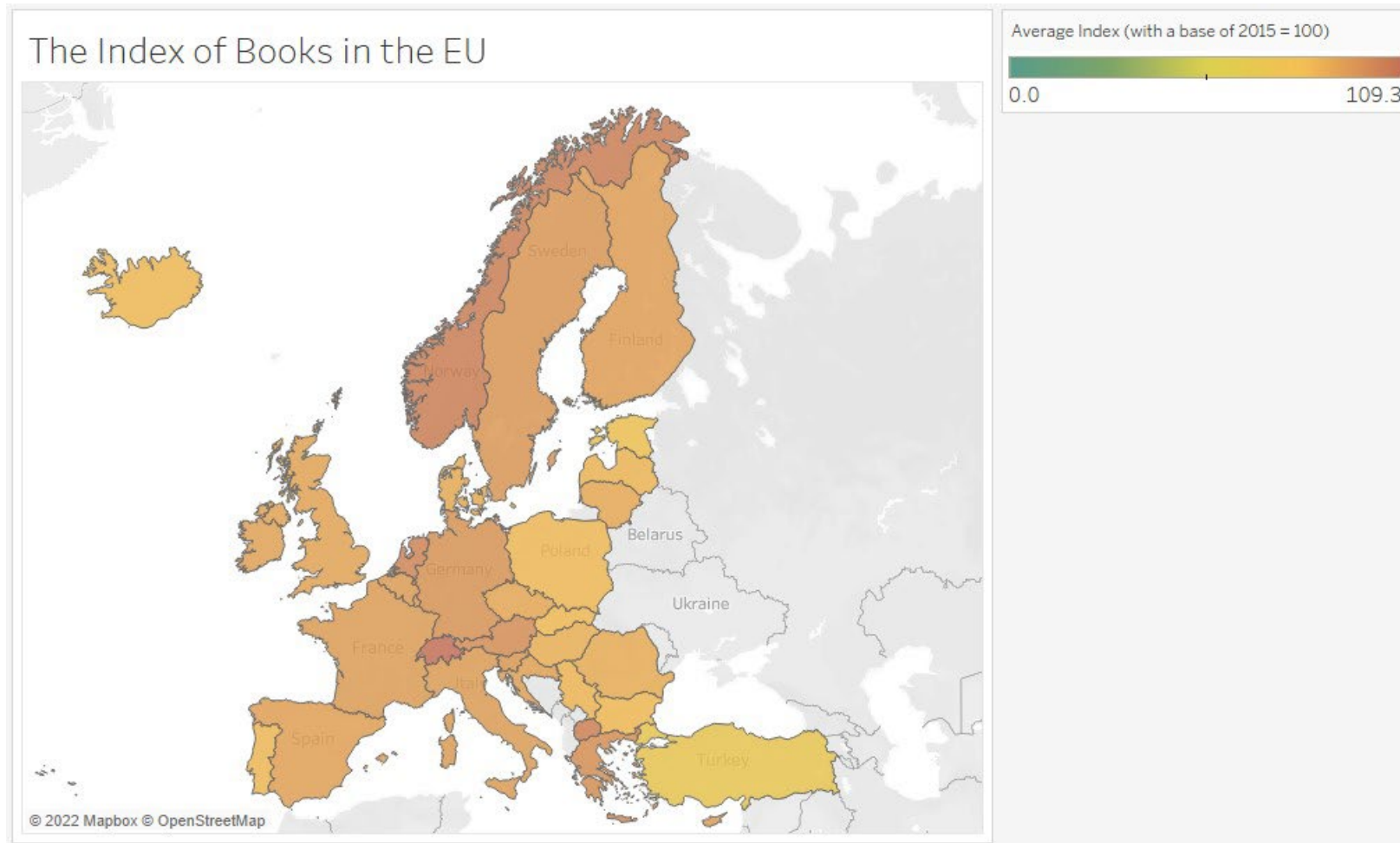


Figure Caption. The south eastern countries in the EU have a lower average book index.

CGT 270 Data Visualization
Makeover Monday #2 (2020 Dataset)

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	Good	Fair	Needs Improvement
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. [15 pts]	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. [10 – 14 pts]	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. [5 – 9 pts]	Little to no evidence of the understanding of the data visualization process. Lackluster makeover or no makeover. Little effort. [0 – 4 pts]
Sketch included: hand drawn, data vis best practices evident. [5 pts]	Sketch included: hand drawn, lacking data vis best practices. [3 pts]	Sketch included, but was generated by computer [2 pts]	No sketch included. [0 pts]
More advanced chart types used [5 pts]	More advanced chart types used, followed most best practices [3 pts]	Basic chart types used in the makeover [2 pts]	Little to no improvement in visual representation of the data [0 pts]