**Name:** Ben Habegger **Date:** October 26th, 2021

**Lab section:** Tuesday Lab

**Show your work!!!**

**Acquire**

Week: 43

Date: October 21st Year: **2019** Data: data.world, Office for national statistics

**Source Article/Visualization:**

The age at which most people are dying by suicide

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

**Represent**

Text

Description automatically generated

**Critique**

What I like about the visualization is that it doesn’t leave any information out, if there is an age and year you want to find, you can do that. You can also hover and find individual years. But my biggest critique and complaint is that there is so much information coming at you at once. It’s easy to lose your place while reading the graph, and the captions mid graph interrupt the data. The graph also doesn’t tell an easily interpretable story visually. You can’t look at the graph and immediately know what question is meant to be answered. The color doesn’t indicate the number of suicides, although it is implied. Lastly, the number of suicides isn’t listed anywhere.

NEW: 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.

My visualizations falls under the ‘Data Visualization’ category as a Polygonal Line Graph. The closest periodic element to my chart tyle was the line graph. Line graphs are convergent thinking overviews of the data being represented. Meaning the viewer of the visualization should be able to easily put together the different axis’s and chart as a whole to make their own interpretations based on what is is being represented to them.

**Mine**

I was attempting to answer the question, ‘Have suicides increased over the past three decades?’ and my answer to that question was yes/no. At times the average suicide rate dipped and at other times it shot up.

**Filter**

**﻿Year Avg. Suicides**

**2007 53.575**

**2006 55.8625**

**2010 55.95**

**2008 57.025**

**2009 58.025**

**2005 58.175**

**2002 58.9625**

**2003 59.3375**

**1997 59.7875**

**2017 59.925**

**2004 60.2**

**2011 60.5375**

**2012 60.5375**

**2001 60.675**

**1996 60.9125**

**2016 61.0375**

**2000 62.95**

**1994 63.0125**

**1995 63.6**

**2013 63.65**

**2014 63.95**

**1993 64.2**

**2015 64.2125**

**1999 65.0125**

**1989 65.9875**

**1998 66.25**

**1992 67.7875**

**1991 68.0625**

**1983 68.7625**

**1990 68.775**

**1987 68.8125**

**1984 69.5375**

**1982 70.0375**

**1986 70.5625**

**1981 71.3625**

**1985 72.775**

**1988 73.65**

**Stakeholders**

* My audience are those from England/Wales where the data is taken from. I assumed that the viewer of my graph knew that the larger angles of the line chart meant more drastic changes. I also assumed that the viewer would look at the summary key to the right of the visualization. I used Tableau to make my 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!

**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).

**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).

Chart, surface chart

Description automatically generated

Caption: The plot of average of Suicides per Year from 1980-2017.

**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. |