Candace Crawford
Data Visualization 101
Final Project Part (Week 8 and 9)
Assignment 8.5

Attendance Report

P.S. 297K

OVERVIEW

Part of the work we do in Community Schools is utilize positive youth development resources to improve student attendance, behavior, and/or academic performance. A huge part of this, and one of the main reasons we were brought into this school, was to help improve attendance. We collect, review and analyze student data to develop new strategies and plan for continuous improvement of existing interventions.

We have 2 main tools in the NYC Department of Education that help us to parse the attendance data in different ways. Those tools are New Visions and Insight. New Visions is the more robust and user friendly of the two.

This month, I have to put together a short report for administration and the attendance team for discussion regarding FY2025 planning. During this meeting we will set goals and brainstorm strategy for the coming school year. I'm looking to use this project to add to the overall report to help illustrate some key points for the team.

Who is your audience? Who are you designing the visualization for?

The audience for this project would be school administration and the school's attendance team.

GOALS

What kind of data are you visualizing (i.e., categorical, ordinal, nominal) and how are you planning to accurately portray the story?

1. Track overall attendance from the 2018-19 school year throught the 2023-24 school year.
2. Illustrate the chronically absent and severely chronically absent student percentages for 2023-2024 vs the previous school year
3. Compare the schools percentages to the city, borough and district percentages.
4. This would be visualized categorically and nominally

SPECIFICATIONS

What is your data source?

I pulled the data from the NYCPS website for the 2018-19 school year to the 2022-2023 school year. They were available to download as excel workbooks. I pulled the workbook that was organized by school, one organized by by borough, and one by district. For this visualization, I will focus on my school only, as I only have access to 2023-2024 data from New Visions. NYCPS has not released the data for this past school year yet.

What question does your visualization answer?

Daily school attendance is a critical part of a child's success- academically and socially. Grand Street Settlement partners with the school community to offer creative solutions, incentives, and education around the importance of being present in school daily. Our Y-T-D attendance is 89% for 2023-2024. Although the attendance has increased compared to immediately after Covid, in a school where many of the students are not performing on grade level, not being present daily can greatly impact their academic success.

We are looking for gains, looking to achieve pre-Covid attendance levels, and looking for areas of needed emphasis over in the coming school year.

What is the title of your visualization?

Community School Goals and Attendance Overview

How will users engage with your visualization and how can you create an intuitive experience for them?

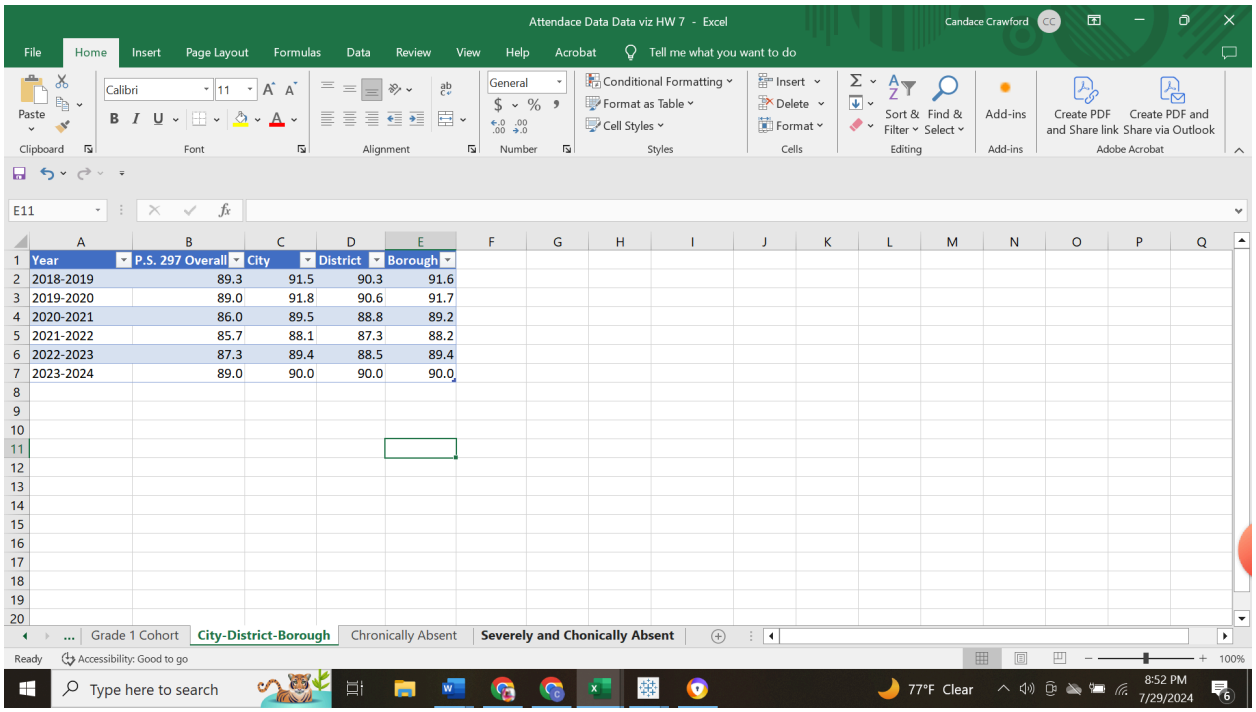
I would like to create the charts in Tableau. For presentation purposes they would be added to a powerpoint or a report in PDF form. (Week 8)

Week 9 had me rethinking that as I wanted to keep some kind of interactivity that I was not sure I could get from doing the Powerpoint presentation.

PROCESS

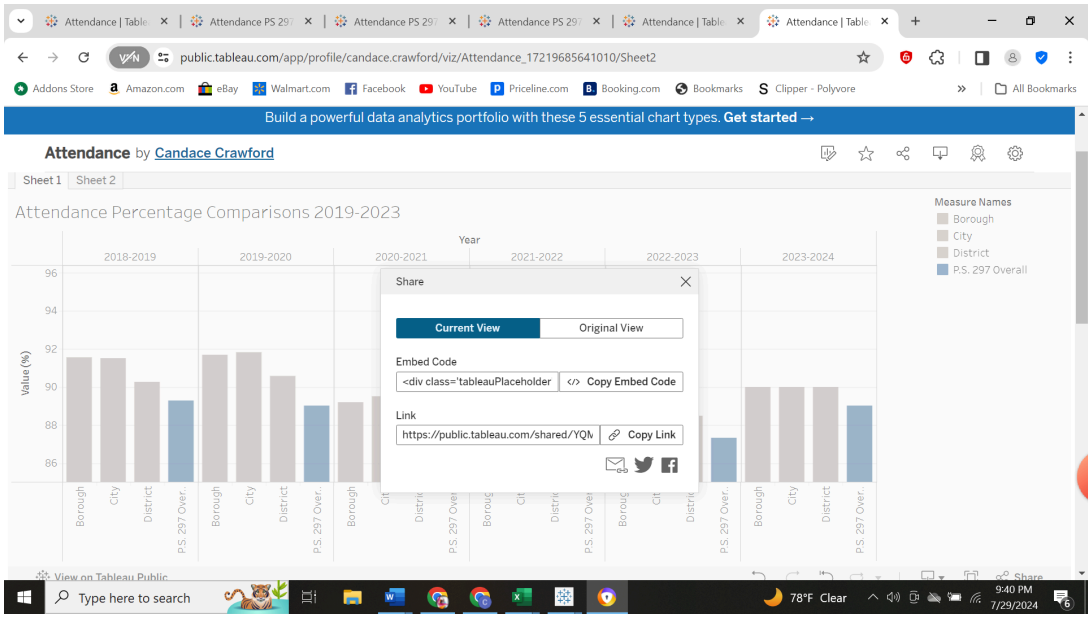
Aggregate the Data

I pulled the data I needed from each Excel sheet found on the [NYCDOE Website](). I created bew tables based on this data. For 2023-24, I used a combination of New Visions Portal data and contacting the district attendance coordinator for the numbers.



Converting the Data to Graphs

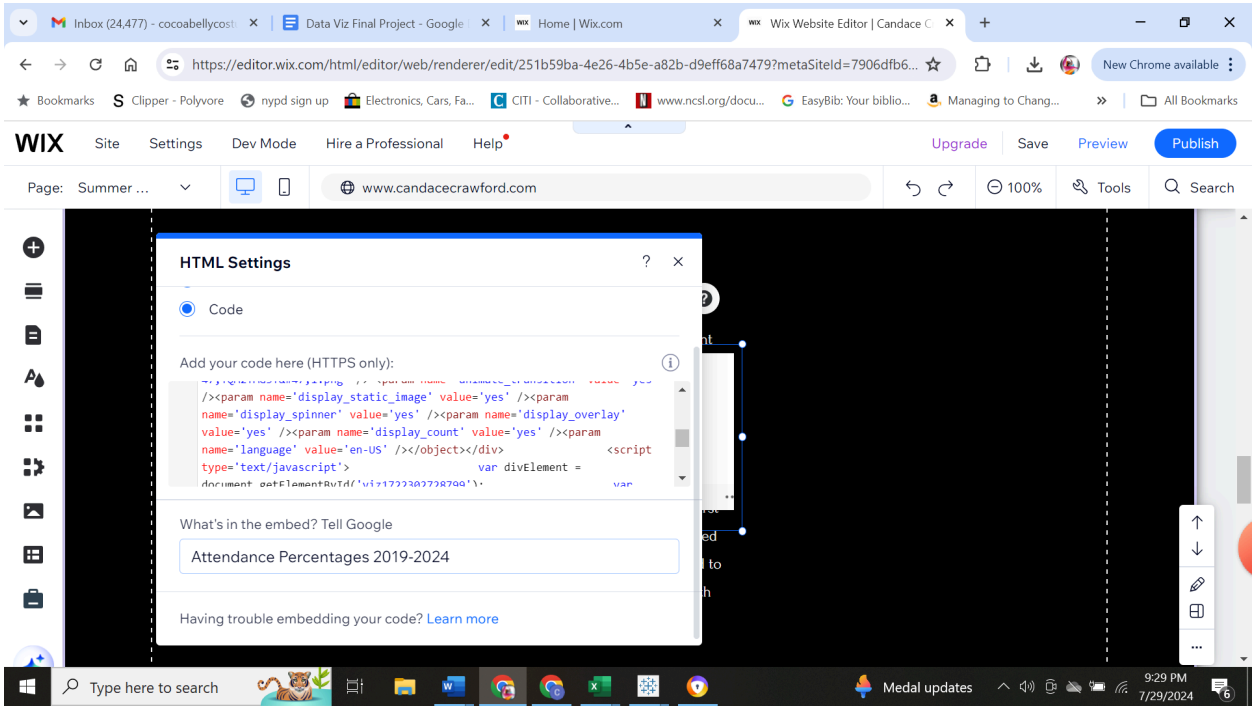
I used Tableau to make graphs based on the data.

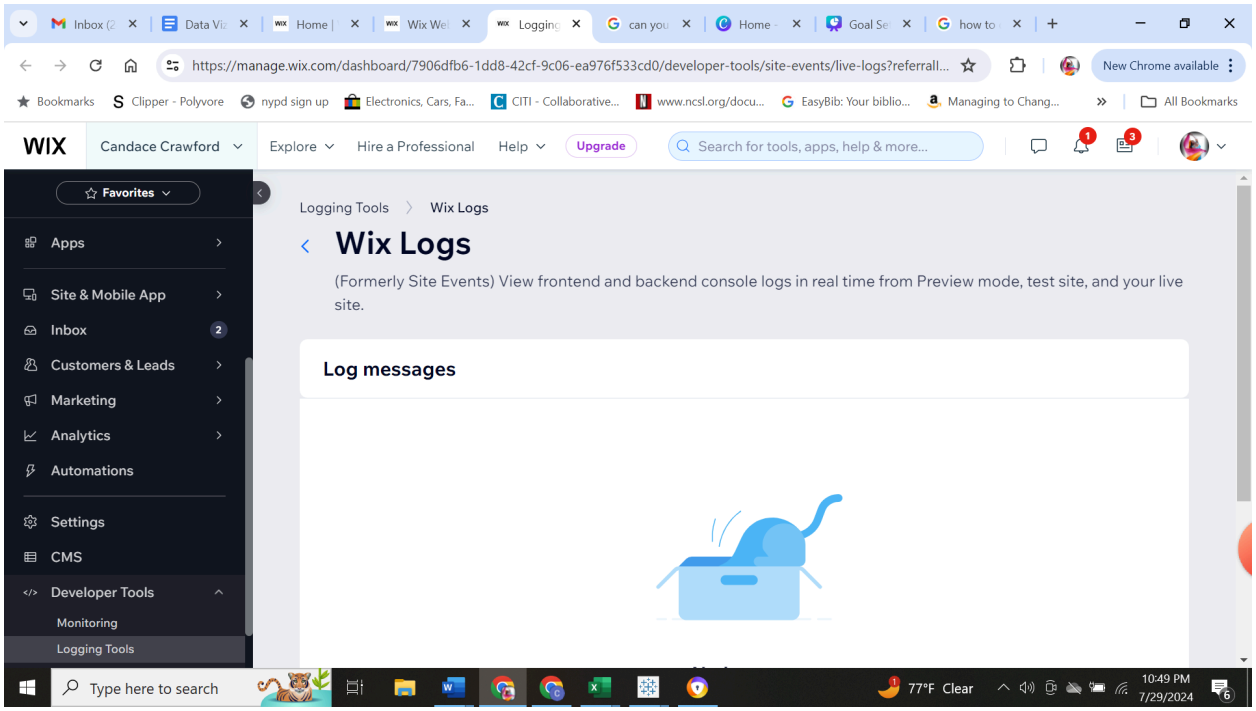


Generate HTML Code

Wix has options to add pre-generated code on their websites, so I used the embed code from the Tableau Graphs to add to my personal Wix website. I'm already familiar with using Wix, and I found out that Figma is also compatible with Wix. As I learn more in Figma, I will be able to use this feature to build easily accessible sites depending on the project/need. This was an easy, no code/low code way to display and access the graphs. Also, using this method allowed a couple of interactive features of the original graph in Tableau to be retained in Wix.

I almost panicked because I did not see the graph when I went to preview the Wix page. Actually, I did panic, LOL. I thought I did something wrong, and would have to edit code or abandon the project to use another method to display. After doing a Google search, it seems like this can happen- although I can't see the graphs in edit mode, once I save and publish, they are able to be viewed.

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WIX
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Explore
Hire a Professional
Help
Upgrade
Search for tools, apps, help & more...
Favorites
Apps
Site & Mobile App
Inbox
Customers & Leads
Marketing
Analytics
Automations
Settings
CMS
Developer Tools
Monitoring
Logging Tools
Logging Tools
Wix Logs
Wix Logs
(Formerly Site Events) View frontend and backend console logs in real time from Preview mode, test site, and your live site.
Log messages
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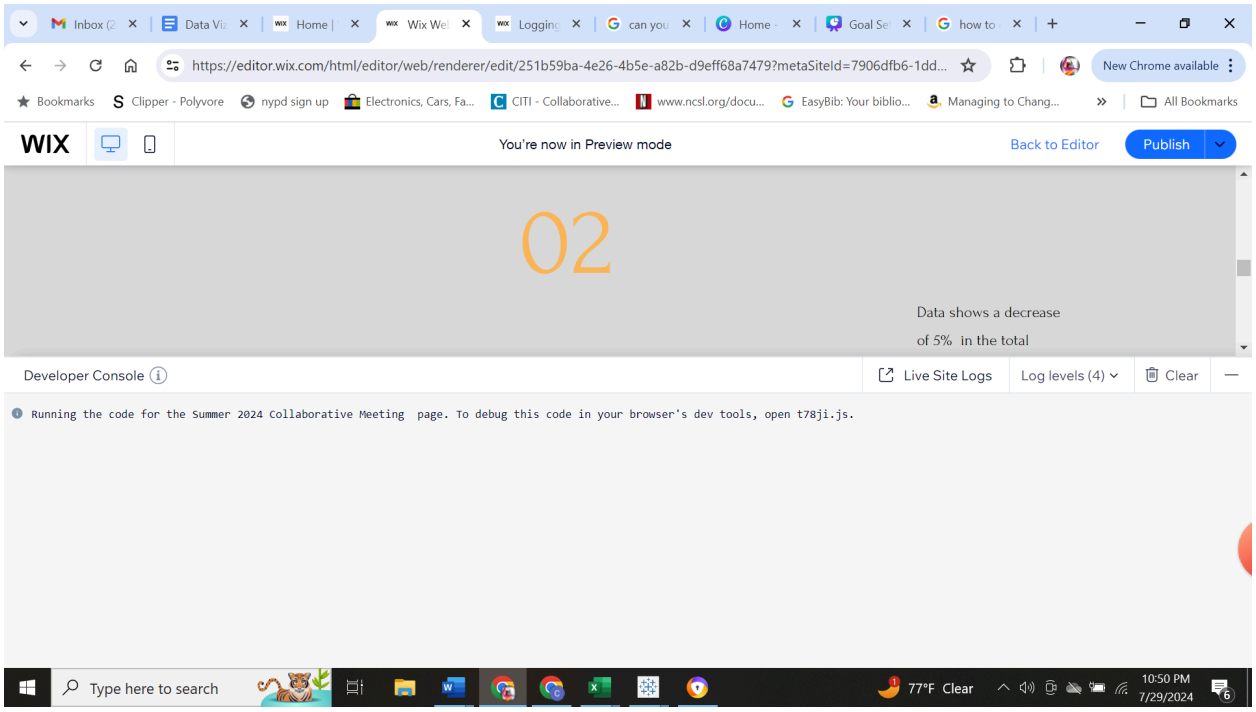
7/29/2024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WIX
You're now in Preview mode
Back to Editor
Publish
02
Data shows a decrease
of 5% in the total
Developer Console
Live Site Logs
Log levels (4)
Clear
Running the code for the Summer 2024 Collaborative Meeting page. To debug this code in your browser's dev tools, open t78ji.js.
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Edit Wix page; include Tableau graphs

Once I was able to add the graphs successfully to the Wix page, I used the built in features to make the report and display the information. I tried to keep it as simple as possible, with not only the graphs, but text info about the data collected as well. Final can be seen here: https://www.candacecrawford.com/general-7