The DataJam Download

Official Newsletter of the Pittsburgh DataWorks

2022 DataJam Finale Video

2022 DataJam Finale Posters

Meet a DataJam Mentor

DataJam 2023 Timeline

Start Working on a DataJam project any time!

New Teams from Across the United States are Welcome to Participate in the DataJam!

NEW: We have added a new section to the website homepage called "DataJam News". Check it out regularly to see the newest information about the DataJam!

DataJam News

2022 DataJam Finale

The 2022 DataJam Finale as recorded on video conference on April 28th, 2022. Watch here as the students present all their hard work and findings by explicating hypotheses using data analysis!

WATCH ON YOUTUBE!

This month DataJam News is focused on the 2022 DataJam finale, with a video of the finale and posters of the four winning teams. Click on the posters to see them enlarged with brief summaries of the winning projects!

Check out the 2022 DataJam Finale video!

Go to the http://www.pghdataworks.org homepage. Under **DataJam News** you can watch the whole Finale and click on the four winning posters to view them in detail. See the 1st place project by *Aaron Berger, Dmitri Berger & Rex Wu* at Norwin High School on **Analyzing the Legacy of Redlining in Pittsburgh**, the 2nd place project by *Tiffany Chen, Matthew Bretz & Jacob Miller* at Central Dauphin High School on **Forecasting COVID-19 Infections & Vaccinations in PA**, the 3rd place project by *Addison Gindlesperger, Kiana Kazemi, Lindsay Liebro, Eileen Lin, Becky Zhou, Gary Farrell & Aaron Peng* at Hampton High School on **Availability of Inclusive Parks &ADA Accessibility withing the City of Pittsburgh,** and the Best New Team project by *Maniya Zwicker & Amara Sanchez* at the Pala Youth Center in San Diego, CA on **Examining pH Data in the San Luis Rey River withing the Pala Native American Reservation and Beyond!**

The 2022 DataJam was made possible by donations from PPG Industries. The expansion of the DataJam into states outside of PA was made possible by a National Science Foundation pilot grant from the NorthEast Big Data Innovation Hub.

See All of the 2022 DataJam Posters presented at the 2022 DataJam Finale!

The posters are available on the DataJam page of the website. Scroll down the DataJam page to the 2022 posters and click on the 2022 DataJam Posters button to see the posters, or click here to be taken directly there.

2022

2022 DATAJAM POSTERS

Avonworth
Lots of Lots: an investigation of the effect of business presence on parking utilization

Bethel Park
Effects of Emissions on Public Health

Carlynton
Effect of Community Wealth on Test Scores

CDHS
Forecasting COVID-19 Infections & Vaccinations in PA

Greensburg Salem
The Concealed Correlation with Drug Use

Hampton
Availability of Inclusive Parks & ADA Accessibility Within the City of Pittsburgh

Keystone Oaks
moodMent(): Does a particular diet and an increase in exercise have an association with improved mental health?

Montour
Doom Scrolling: Does Screen Time Increase Rates of Domestic Violence?

Norwin
Analyzing the Legacy of Redlining in Pittsburgh

Oakland Catholic
A Bikeride A Day Keeps the Doctor Away: An Analysis of the Effect of Bikeshare Ridership on City Heath Metrics

Pala Band of Mission Indians
Examining pH Data in the San Luis Rey River within the Pala Native American Reservation and Beyond

Passaic Academy for Science & Engineering Team 1
2010-2016 NJ Crime Rate Comparison: How Passaic county crime rates changed

Passaic Academy for Science & Engineering Team 2
Air Quality Due to the Number of Trees

Passaic Academy for Science & Engineering Team 3
COVID and Income

Peters Township
Can Federal Funding Flip-Flop the Fossil Fuel Fixation?

Plum Team 1
What is the correlation between attendance of a sporting event and the success of the team?

Plum Team 2
What is the Relationship Between School Staff Salary and Juvenile Crime Rates

Springfield
The Correlation Between Income and Covid-19 Vaccination Rates

Taylor Allderdice Team 1
Diversity and Student Achievements in Public High Schools: What is the correlation between socioeconomic diversity and student achievement in Pittsburgh Metropolitan Area public high schools?

Taylor Allderdice Team 2
Median Income and Safety Measures in Pittsburgh Neighborhoods
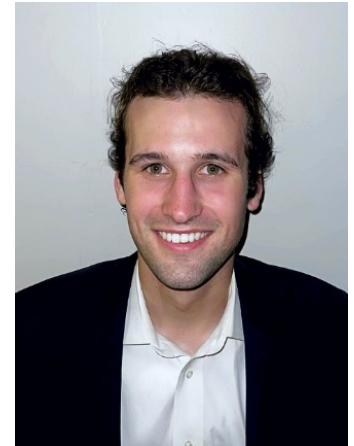
Upper St. Clair
Knowing the Score!: Does the Pittsburgh Steelers' performance correlate with crime rates?

Meet a DataJam Mentor!

      Hello! My name is Nate McDowell, and I am a rising senior at the University of Pittsburgh pursuing a major in Information Science and a minor in Economics. Outside of the classroom, I enjoy spending time in the outdoors doing things like hiking, biking, or kayaking. I have been a DataJam mentor for about two years now and am only becoming more invested in the program!

      This summer, I will be working as a University of Pittsburgh Community Research Fellow. The Community Research Fellowship is designed to help students work with non-profits, full-time, helping students build a connection between academic and social work. My project this summer, Python for the DataJam, will consist of developing GitHub and Python tutorials to help DataJam teams utilize more sophisticated tools in their projects. As the DataJam grows and teams become more advanced, additional computing resources will help stimulate intellectual growth in DataJam participants.

      The new GitHub and Python tutorials that Nate is making this summer will be available to everyone on the Resources page of the website by the end of this summer.

See the DataJam Timeline for 2022-2023

On the DataJam page of the website the new 2023 DataJam Timeline has been posted. Click here to see the Timeline.

- **Proposals due Fri., Dec. 2, 2022**
- **Feedback will be received by Fri., Dec. 16, 2022**
- **Posters will be due Fri., March 31, 2023**
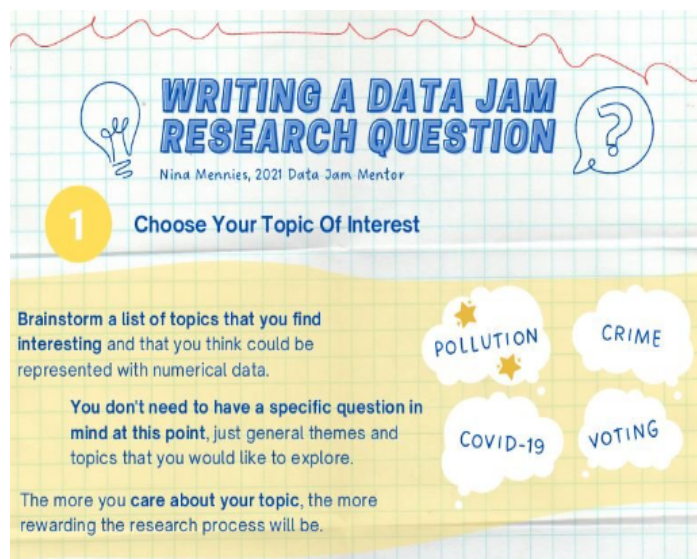- **2023 DataJam Finale will be Thur., April 27, 2023**

MID-AUGUST THROUGH SEPTEMBER

Schedule a DataJam Presentation at Your School

DataJam mentors are available to give a 15-minute presentation at your school to inform students about what the DataJam is, how to form a team, and what is involved in participating in the DataJam. Presentations can be scheduled by requesting a presentation at Pittsburghdatajam@pghdataworks.org. Presentations will be given by zoom. Alternatively, watch the 15-min DataJam Mentor Overview to the DataJam video

Register to be a 2022 DataJam Team

It is easy to register your team. Send an email to PittsburghDataJam@pghdataworks.org to let us know you have a team that would like to compete in the 2022 DataJam. Include: (1) the name of your school or group, (2) the name, email address and phone number for the team advisor (a teacher or other adult), (3) the names of

Your team can start working on a DataJam2023 project any time!

If your team has ideas for a DataJam 2023 project they would like to do you can submit your 2023 DataJam proposal at any time---just follow the proposal directions in the DataJam Guidebook and send the proposal to pittsburghdatajam@pghdataworks.org.

The Advisory Board will be happy to review your proposal at any time during the year and give you feedback so you can get started on your project. Use the guides on the DataJam page of the www.pghdataworks.org website to get started.

New Teams from Across the United States are Welcome to Participate in the DataJam!

The DataJam is expanding outside the Pittsburgh region! This year we had numerous teams from across the country --- from Harrisburg, New Jersey, Massachusetts, and California. Two of these teams won awards at the 2022 DataJam! The team from Harrisburg, PA won "2nd place" and the team from San Diego, CA won "Best New Team".

We hope to continue expanding to reach more and more communities in the coming years. As we emerge from COVID, we plan to do this in two ways.

First, high school students anywhere are welcome to form a DataJam team, submit a DataJam proposal and participate in the "Virtual DataJam Finale" that will be held via zoom for all participating DataJam teams at the end of April each year.

Second, we hope to have DataJam "nodes" established across the country where several DataJam teams have formed within the same area. We will aim to provide training to local DataJam Mentors in these areas so that teams in the node can work with local mentors, online and in person. Nodes can also hold their own local DataJam Finale's in person so students can present

Amara Sanchez from Pala Band of Mission Indians in California holding the "Best New Team"

their posters to their parents, teachers and other teams at an in-person event. Of course, all students will also be able to participate in the large "Virtual DataJam Finale" --- available to students everywhere. Two nodes we are hoping to develop in 2022-2023 are in San Diego, CA and in New Jersey! If you are in these areas and interested in the DataJam email us at pittsburghdatajam@pghdataworks.org and we'll help you find or start a team!

We are looking forward to DataJam 2023!
We Hope You Are Too!