



Data Science Resources in DC

Data Analytics – the analysis of data to uncover patterns that provide business insights such as customer preferences or market trends – can help organizations and firms raise productivity, improve decision making, and gain competitive advantages. DC’s proximity to a strong technology sector, policy influencers, and access to top talent make it a leading city for data science and analytics firms.

The Business Development Unit at the Office of the Deputy Mayor for Planning and Economic Development (DMPED) helps businesses navigate resources to help them grow and thrive in DC. We consistently hear from our stakeholders a need for a central location to view resources available to support businesses and individuals interested in different industry areas. This document strives to list the key organizations and resources in DC’s data science ecosystem. We included all organizations and resources we are aware of. Inclusion in this document does not convey endorsement. This document will be updated periodically. The date on the bottom of this page denotes the date of the last update. Please katie.baskett@dc.gov with any organizations or resources we may have missed.

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UNIVERSITIES WITH DATA SCIENCE PROGRAMS

American University

[Certificate in Data Science](#) program that provides students will the core technical proficiencies to visualize and analyze data.

[Masters in Science in Analytics](#) at the Kogod School of Business prepares students to be experts in data analysis and use data to solve a variety of organizational and business challenges.

George Washington University

[GW Data Analytics Boot Camp](#) spans 24-weeks and teaches students the technical skills they need to analyze and solve data problems.



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[Graduate Certificate in Business Analytics](#) prepares students to succeed in the era of “Big Data” by equipping them with the advanced analytical techniques needed to extract meaningful insights from large data sets.

[Master of Science in Data Analytics](#) program is conducted in small cohorts and covers topics in computer science, business analytics and systems engineering while focusing on the foundations of analytics from a technical analytics perspective.

[Master of Science in Business Analytics](#) at the GWU Business School offers a curriculum that prepares students for successful careers helping organizations make better decisions through Analytics.

Georgetown University

[Certificate in Data Science](#) at Georgetown’s School of Continuing Education prepares students with the technical and analytical skills required to collect, clean, model, and present data.

[Master of Science in Analytics](#) helps students build a solid knowledge in data analytics fundamentals and then add skills in visualization, big data computing, and machine learning.

[Data Science for Public Policy MS Program](#) is a unique curriculum at the intersection of data science and quantitative public policy analysis. The MS-DSPP equips graduates with cutting-edge computational, analytical, and leadership skills.

Catholic University of America

[Master in Business Analytics](#) is a program in business for non-business majors that can be completed in one year or less. The program combines coursework with internships, field projects, and case studies that give the program a uniquely practical focus.

Trinity University

[Business Analytics & Technology](#) undergraduate majors are able to make sense of big data sets, perform analyses, and recommend leading edge process improvements that allow companies to operate efficiently and maximize performance.

ADULT EDUCATION TRAINING PROVIDERS

[The Data Incubator](#) is an intensive 8-week fellowship that prepares the best scientists and engineers with advanced degrees to work as data scientists and quants. They also offer a variety of online training courses on topics such as machine learning and data science foundations.

[General Assembly](#) offers full-time and part-time courses in data science that teach students how to analyze data sets for insights and present findings using statistics, programming, data modeling, machine learning, and business knowledge. They cover programming languages such as SQL, Git, Unix, and Python. General Assembly is also partnering with Booz Allen Hamilton on a Data Science certification program.

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[Thinkful](#) offers part-time online boot camps in Data Science that cover specialties such as Advance NLP, Deep Learning, Time Series, Network Analysis, Biostatistics, and Economics or Social Science.

[Data Society](#) is a DC-based company that offers online courses on a variety of data science topics such as R, data visualization, and regression and time series analysis.

[District Data Labs](#) is a data science consulting and corporate training firm, research lab, and open source collaborative where people come together to help each other become more successful data scientists.

[Data Science Dojo](#) offers short-duration, in-person, hands-on data science training that will get you started with practical data science in just one week.

LOCAL MEETUPS AND COMMUNITY ORGANIZATIONS

[Data Community DC](#) promotes data scientists in the national capital region through high-quality community-driven events.

[Data Science DC](#) is a non-profit professional group that meets monthly to discuss diverse topics in predictive analytics, applied machine learning, statistical modeling, open data, and data visualization.

[Data Visualization DC](#) is a non-profit professional group that meets monthly to discuss data visualization, data communication, infographics, exploratory data analysis, charts and graphs, perceptual psychology, and more!

[Women Data Scientists DC](#) hosts data science speakers, networking events, mentoring opportunities, and workshops to learn new data science tools.

[Full Stack Data Science](#) is a meetup group oriented towards promoting a “full stack” approach to data science, bringing much needed integration to the data science conversation across multiple disciplines.

[Data Wranglers DC](#) is a professional group that meets monthly to discuss topics including open data, data gathering, data munging, and the creation, storage, and maintenance of datasets.

[Data Kind DC](#) is a community of data scientists and social sector leaders working to tackle the world’s toughest problems with data science. They host Project Accelerator nights featuring non-profits and participants spend a few hours to a full weekend working on helping the nonprofit with one of their data-related problems.

[Code for DC](#) brings together community members and subject matter experts with data enthusiasts and techies to help make a better DC for all of its residents.

[Data + Women](#) is about building networks and overcoming barriers for women to succeed in the fields of data and technology.

The following meetups also support data scientists but it is not their sole focus: [DC Fem Tech](#), [Women Who Code](#), [DC Tech Meetup](#), [Technicolor](#), [Tech Lady Hackathon](#), and [Tech Noir](#).

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KEY EVENTS

[DC DATACON](#) seeks to inspire conversation as the Mid-Atlantic region lays the groundwork for the direction Data Science will take in years to come.

[Capital Data Summit](#) highlights the unique set of big data assets in this region that no other region in the world can bring to bear to serve both commercial and government clients and showcase why the Greater Washington region IS the Nation's Big Data Capital.

[Washington Big Data Summit](#) includes general session, breakout sessions, and an exhibit hall.

DC-BASED INCUBATORS/CO-WORKING SPACES FOR DATA STARTUPS

[DCode42](#) is an accelerator program for technology programs looking to enter the federal government market. DCode42 works with companies in a variety of industries such as big data, cyber security, and health IT that have the power to change the way the government runs.

[General Electric Aviation Accelerator](#) is a collaboration space to help federal civilian and defense customers transform operations with digital products and services. The Accelerator is for data scientists, software developers, and domain experts to work with government clients to condense multiple data points generated by the defense sector each year into data-collating technologies.

[Open Gov Hub](#) is a co-working community and a network of organizations promoting transparency, accountability, and civic engagement around the world.

[1776](#) is a hub for startups tackling challenges in education, energy, health care, government, and other critical industries. 1776 startups gain access to a global network of connections with established institutions and corporations, influencers, expert mentors, and investors. 1776 also has a seed fund where they make seed-stage investments in startups that combine a massive opportunity for financial success and the potential to transform the industries most important to lives as citizens.