WELCOME & PROGRAM BACKGROUND

Welcome to the 2022 Data Science for All (DS4A) / Empowerment program, developed by Correlation One. We are thrilled for you to apply to this unique program for business-focused data science learning and career development.

The DS4A program features the premier data analytics and AI training in the world. Lead Instructors and Teaching Assistant team from top institutions like Stanford and Harvard, will work with you to explore data science in ways unlike any other program. Our training is hyper-practical, based on business cases and real-world commercial contexts.

In addition to training, DS4A supercharges your career by matching you with actual companies and job opportunities, as well as mentors. Throughout the program, you will work side by side with data-driven professionals from our nation’s leading companies in multiple fields.

We look forward to working with you over the 14+ weeks of the program, as we master data analysis and the ways it is revolutionizing the future of work. Through lectures, interactive cases, and immersive group projects, you will learn what is possible from skills like querying big data, robust linear modeling, and data visualization.

This brochure serves as an overview of the program – how it is designed and what it offers you. Are you ready to access the data-driven jobs of tomorrow?
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OUR MISSION

We believe that data & AI are rapidly changing jobs in every industry. The amount of data the world produces is growing exponentially. To get ahead in the data economy, students and working professionals must learn key data skills - how to interpret results, how to tell a data-driven story, how to use data to make optimal business decisions.

Accessing the jobs of tomorrow requires data fluency. Correlation One is the market leader providing data & analytics training globally. We believe that the biggest unsolved problem in AI is people. We are solving the people side of the AI equation through training and platforms to connect talent with jobs. We count the leading companies in the world as clients.

One big problem we noticed is that the data & AI revolution is disproportionately leaving behind under-represented groups and minorities. Access to the jobs of tomorrow is not equal.

DS4A / Empowerment seeks to remedy this. Our aim is to create a nationwide ecosystem of talented black, hispanic, LGBTQ+, veterans, deaf and hard of hearing, refugee, low-income, and other under-represented minorities who are data fluent. Our vision is to provide free data analytics training to 10,000 people in the next three years and provide equal access to the jobs of tomorrow.

OUR EMPLOYER PARTNERS

matchgroup CITADEL CITADEL Securities ally

Johnson & Johnson Walmart Jane Street EY CapitalOne

BEST BUY Target Citi Morgan Stanley WORLDQUANT Prudential
WHO SHOULD TAKE THIS PROGRAM?

This program is for students and for working professionals from underrepresented communities (see our website for more details). Our curriculum accommodates both beginner and advanced skill levels. College degree (or current enrollment in college) is preferred; applicants should have graduated college within the last 10 years.

We welcome applicants from multiple fields – sales, marketing, finance, product, engineering, etc. Ideal candidates will have at least 1 year of programming experience in professional/academic setting or equivalent.

This program takes high-potential talent that is willing to work hard. We aim to make you the best data-driven professionals in your fields.

You do not need to quit your job or coursework to enroll in this program. Classes are held on Saturdays so that working professionals and students can partake while maintaining their current schedules.

The program is meant for those who are looking to become better at their existing jobs, as well as those looking to move into new jobs. The program offers both training and career advancement.

Training will improve your data science skills: you will learn to work faster and smarter, connect models to commercial applications, and execute full-life-cycle data science work in applied contexts.

The program will also help you with career advancement by finding you new opportunities or helping you expand your current role with new capabilities. We will also pair you with mentors who will help guide your professional development.

Our graduates go on to be leading finance professionals, marketers, sales people, founders, and executives with deep data literacy.
Entry into the program is competitive and merit-based. The program is open to both junior talent with potential and senior talent with experience.

Candidates must be part of an underrepresented group.

Admissions will be conducted on a rolling basis, so don’t wait to apply!

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1. **APPLICATION**
   The Online Application is open from **July 5, 2022 - September 1, 2022**. Complete the application form, which should take approximately 15 minutes to complete.

   **APPLY HERE**

2. **ASSESSMENT**
   You will be required to complete a technical assessment that will test your current familiarity with concepts taught in our program. Candidates who complete step one receive a personalized link to take the online Skills Assessment. This assessment should be completed as soon as possible to maximize your entry chances, as admissions are on a rolling basis.

3. **INTERVIEW**
   Candidates who pass the Online Skills Assessment are invited to an interview. During the interview, we look for evidence of commitment, work ethic, and how you plan to use your learning and social capital from the program.
CLASS CALENDAR

Class runs from 12pm - 6pm ET on Saturdays, from October to March (excluding holidays), to accommodate the schedules of professionals who want to learn while continuing their jobs and students who want to supplement their current studies. Exact class dates are shown in the calendar to the right.

Classes are held virtually, and Fellows will participate from across the country. You will be required to spend time during the week on project work and homework outside of class. You will have real-time access to dedicated Teaching Assistants, Instructors, and other Fellows.

The program requires a ~12-14 hour commitment per week, including 6 - 7 hours for work outside of class. The program runs for 14 weeks of class, not including break weeks.

PRE-FOUNDATION BOOTCAMP

A primer for those new to data analytics or in need of practice

Are you new to data analytics? Do you need to brush up on concepts you learned months or years ago?

Not a problem! We will have a Pre-Course Python Bootcamp to give you a solid foundation to take on DS4A / Empowerment. The Python Bootcamp is designed to familiarize Fellows who are new to Python, which we will be using often through the program. If you are already familiar with Python you will have the opportunity to test out the Bootcamp by completing the corresponding deliverables.

Applicants who are accepted into the program will receive instructions about the Bootcamp, which will become available upon acceptance. You will have until the start of DS4A / Empowerment to complete it. There are no set class days for the Bootcamp. Instead, you will be able to complete it on your own schedule with support from our DS4A teaching staff.
The DS4A / Empowerment curriculum was designed with input from leading companies to cover skill needs as AI changes jobs in every industry. Our curriculum will immerse you in the most critical topics in data analytics today. Our aim is to close the “skills gap” between what you know and what top employers want, allowing you to advance your career in any industry.

Our curriculum is entirely case-based. Each concept is taught in the context of an actual business case, using real-world data. In addition, our curriculum is current: it evolves regularly and features the most relevant content.

The curriculum provides exposure to full-stack data fluency. You work on each part of the data analytics & AI process, while also going deep into key areas via extended cases and project work. Your learning includes:

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PREMIER INSTRUCTORS

Our team of Teaching Assistants hails from leading global institutions and organizations. They include published authors of peer-reviewed technical and scientific papers with thousands of hours of educational experience. Each Fellow will have dedicated Teaching Assistants who will support your learning for the duration of the program.

Our teaching staff are not merely your educators, but your collaborators; they take personal pride in your work and are passionate about the potential for data, analytics, and AI to change your world!
PROGRAM STRUCTURE

In addition to classes, DS4A / Empowerment includes several other components detailed below:

**EXTENDED CASES**
Extended Cases serve as the “homework assignments” of the program. They are structured as complex, multi-part business problems, and participants must leverage all of the skills they have learned from the lectures in order to solve them properly. For example, an Extended Case might require participants to identify factors driving a website’s negative reviews and propose solutions.

**PROJECTS**
When you begin the program, you will be placed in a Project Team, typically containing 5-7 Fellows. Fellows are matched to a team based on their skills, interests, and personal goals. We build teams that work well together, teach each other, and often become close friends. Throughout the program you will work with your team on a data science project that requires end-to-end problem scoping, infrastructure building, modeling, and ultimately presentation. This project will enable you to apply everything you have learned during the program. Your project will also become valuable professional collateral, showcasing your ability to make an impact with data, from idea formulation to presentation.

**JOB OPPORTUNITIES**
Our program provides you the chance to meet leading companies, build your network, and land a top job. In addition to regular lectures, we also offer professional development sessions. At our Career Fair, employers will share their available Data Engineering roles. You will also get exclusive access to our proprietary career platform, C1 Connect, where you can access all of the job opportunities in our network. Our DS4A graduates have gone on to leading roles at Fortune 500 companies, major tech firms, and pioneering startups.
DS4A TESTIMONIALS

DS4A graduates have experienced career advancement, found new job opportunities, started companies, built professional networks and made friends for life. We pride ourselves on your success, and testimonials from some of our graduates are below:

“Since joining this program I not only acquired foundational skills in data science, but I also got a new job and doubled my salary. Don’t wonder when the time is right to pivot in your career; make the moves to get you to your goals!”

TIARA

“The program instructs you in completely practical skills. Everything is very useful. DS4A has allowed me to take on new projects at my company, like building a dashboard visualization for business performance… I received a big promotion in less than one month!”

JULIA

“DS4A changed my life! By the final week, I had already received three job offers, including one from my dream company”

ADRIAN

“I have been fortunate to attend some of the best universities in the world and I can honestly say that DS4A has been my best academic experience.”

MICHAEL

“I love the DS4A community. To be part of a group of passionate and talented people is a tremendous resource. I started a company with two fellow fellows and our entire class still keeps in touch, sharing job opportunities and ideas!”

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ABOUT CORRELATION ONE

Correlation One is a technology company whose mission is to make data skills for all. We believe that data literacy is the most important skill for the future of work.

We promote data literacy through global data skills competitions, rigorous data skills assessments, and enterprise-grade data skills education. We have built an expert community of 250,000+ data scientists and 500+ relationships with leading universities in the US, China, UK, Canada, Ireland, and Latin America.

Our solutions are used by some of the most elite employers around the world in finance, technology, healthcare, insurance, consulting, and governmental agencies.

Correlation One is committed to promoting a more inclusive global AI ecosystem, including dedicated programs for advancing more women and under-represented minorities in the data science community.

THANK YOU FOR YOUR SHARED INTEREST.
For more information visit correlation-one.com