

Cognitir:

Cognitir is a global training company that offers courses to business and finance professionals so that they can acquire in-demand tech skills such as Python and SQL. Our courses effectively bridge theory with practice so that alums can hit the ground running when they return to work. The company was cofounded by a Teach For America alumnus.

We have worked with many of the world's leading business schools and organizations including: London Business School, UPenn Wharton, Chicago Booth, Columbia Business School, NYU Stern, MIT Sloan, Kellogg School of Management, UCLA, USC, etc.

Website:

<http://www.cognitir.com/>

Courses:

Introduction to Data Science: There are 1 and 2-day versions of this course. Each day runs from 9AM - 5PM. The two-day version of the course begins with a day of teaching Python and the second day is teaching fundamental data science methods (regression, classification, clustering) on the 2nd day. By the end, participants can begin embarking on data science projects.

Introduction to SQL: This is a 1-day course where we teach participants how to write SQL queries that pull information from business databases. The goal here is to encourage data-driven decision-making in business and finance by accessing key information from relational databases.

Introduction to HTML, CSS, and JavaScript: In this 1-day course, participants learn how to create a dynamic and professional website that is grounded in Google Analytics so that he/she can gather datapoints to assess website traffic. Participants leave the course with a website that is able to be published publicly.

Machine Learning - Classification Models: This 1-day course is our first advanced course and *Introduction to Data Science* is a prerequisite. This course is a magnification glass on classification models. We teach decision trees, neural nets, support vector machines, ensemble methods, etc. The goal is to equip business and finance folks with a deeper understanding of classification models for their specific problems.

Advanced SQL: This 1-day course has a prerequisite: *Introduction to SQL*. It builds upon what was learned in the Intro course and covers complex joins and write new information to tables in the database. Between this course and the Intro, business and finance participants should have enough info to do construct most business-related queries in the workplace.

Introduction to Time Series: This 1-day introduction course requires that participants have taken *Introduction to Data Science*. This course covers how to build ARIMA models to model time vs. value situations such as stock prices. Students learn how to load data that they want to analyze, train the time series model, and evaluate outputs to determine model efficacy.

Introduction to Blockchain: This 1-day course will go over the fundamentals of blockchain and cryptocurrencies but is not programming-based.

Data Science for Managers: This course has two parts: visualization and building a data-driven organization. Both of these parts are not programming-based but shed light on data science topics from a higher level perspective so that managers can instill more data-driven cultures.

Opportunity:

This is a part-time, remote instructor opportunity where top-notch Corps Members and Alumni will lead Cognitir courses globally. We have instructors from MIT, CalTech, University of Chicago, etc.

Seminars are usually on weekends or Fridays. We fly you out from the nearest airport and cover all your travel expenses in addition to paying you for your instruction.

Instructor Requirements:

1. High school STEM class teachers (computer programming, physics, statistics) or corps Members / alumni with computer science degrees (undergrad or grad is fine). We would also consider those who completed rigorous coding bootcamps, but please note your interview will be even more rigorous to assess true understanding of core concepts.
2. Prior experience in computer programming with a preference for Python. Experience in R, SAS, Stata, MATLAB, C, C++, Java would also be fine. But, please note our courses are currently taught in Python, so you'd have to learn this as part of the job.
3. Prior experience with data analytics. This doesn't have to be data science per se - we can teach you, but you should feel comfortable with statistics, probability, and have some data chops.
4. Teaching experience. This should be an easy check for TFA folks.

Bonus:

1. Prior business and finance experience in investments, corporate strategy, VC, or private equity given our audience.
2. TAing experience in college or graduate school

Why Become a Cognitir Instructor?

1. *Master Skills* - By teaching this material, you will gain a deeper understanding of these concepts which will improve your own technical skills to unprecedented levels.

2. *Networking* - You will teach very senior folks in prestigious corporations, financial institutions, investment firms, and government. Because you will be viewed as an expert, you will form deep relationships with your students that could lead to employment / project opportunities down the line. You will also teach at top places such as MIT Sloan and London Business School in case you are thinking about graduate school.

3. *Travel* - You get to travel the world with this job. If you love seeing new places, you will get that opportunity as a Cognitir instructor.

4. *Compensation* - We pay very competitively. This is a nice way to supplement what you make in the classroom.

5. *Flexibility* - While we do not have a minimum amount of seminars that you have to lead, most instructors lead seminars at least twice a month. If you are in between year 1 and 2 of the corps, we are happy to give you summer work to help you earn during that time. If you are in the middle of the year and can only commit to 1-2 weekends a month - totally fine!

I Am Interested, What Should I Do?

Send us:

1. A brief cover letter explaining more about your background and how you are qualified, why you want to teach for Cognitir, when you'd be available to start.

2. An updated resume

3. Links to GitHub (if applicable)

4. Links to Medium / Blog posts (if applicable)

5. Links to your LinkedIn and Twitter pages

Please reach out to neal@cognitir.com with questions and the five items above.