



NYC DATA SCIENCE  
**ACADEMY**

# **DS Bootcamp - Online Orientation**

# Overview

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3. Success tips

1.

# General Information



# Who we are



**Sam Audino**  
Instructor



**Gabriela Hueglas Morales**  
Assistant Instructor



**Zeyu Zhang**  
Bootcamp manager  
Instructor



**Irene Zhan**  
Student Services Officer



**Sophia Lian**  
Admission officer



**Noé Escobar**  
Assistant manager of  
enrollment

# Your Journey Starts Here

- **Learning Management System (LMS)** ([online.nycdatascience.com](https://online.nycdatascience.com))
  - You can watch lectures, download all the slides, solve quizzes, submit homework, and projects.
- **Meeting Portal** ([meeting.nycdatascience.com](https://meeting.nycdatascience.com))
  - You can book meetings with our academic mentors to talk about lecture material, debug your code, talk about a project, or review your interview submission. Some of them are the top bootcamp graduates so they know exactly what you are experiencing.
  - Data Science with Machine Learning Bootcamp has 40 hours of mentor credits and Data Analytics Bootcamp has 25 hours of mentor credits.

# Your Journey Starts Here

- **Module Breakdown: Data Analytics Bootcamp - Part Time (12 weeks)**
  - Week 1: Data Science Toolkit
  - Week 2-4: Data Analytics with Python
    - Python Data Analysis Project
  - Week 5-7: Data Analytics with R
    - R Data Analysis Project (interactive Shiny app)
  - Week 8-9: Linear Machine Learning Models in R
    - Business Cases in Data Science
  - Week 10-12: Capstone Project

# Your Journey Starts Here

- **Module Breakdown: Data Science with Machine Learning - Part Time (24 weeks)**
  - Week 1-2: Data Science Toolkit
  - Week 3-5: Data Analytics with Python
    - Python Data Analysis Project
  - Week 6-8: Data Analytics with R
    - R Data Analysis Project (interactive Shiny app)
  - Week 9: Business Cases in Data Science
  - Week 10-13: Machine Learning 1
  - Week 14-18: Machine Learning 2
    - Machine Learning Project (group project)
  - Week 19-21: Advanced topics: Scalability and Deep Learning
  - Week 22-24: Capstone Project (group project)

# Your Journey Starts Here

- **Module Breakdown: Data Science with Machine Learning - Full Time (16 weeks)**
  - Week 1: Data Science Toolkit
  - Week 2-3: Data Analytics with Python
    - Python Data Analysis Project
  - Week 4-5: Data Analytics with R
    - R Data Analysis Project (interactive Shiny app)
  - Week 6: Business Cases in Data Science
  - Week 7-8: Machine Learning 1
  - Week 9-12: Machine Learning 2
    - Machine Learning Project (group project)
  - Week 13-14: Advanced topics: Scalability and Deep Learning
  - Week 15-16: Capstone Project (group project)

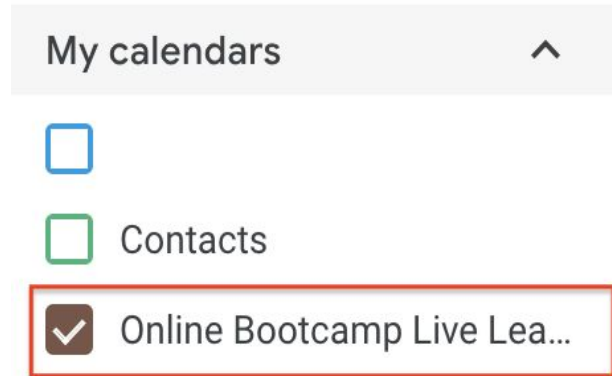


# How do we interact with you

- The Slack channel is a space where we interact on a daily basis, both students and instructors.
- Students must meet with a mentor **at least once** a week. You can either click the "Meet with a Mentor" on the left-hand side in the LMS or go to our [mentor meeting portal](#) directly.
- We host **weekly** project presentations and live learning sessions. The announcements will be sent out in the weekly digest email. Check out this [playlist](#) for previous sessions.

# How do we interact with you

- Make sure you have access the “Online Bootcamp Live Event Schedule” calendar. We list all the live learning session, office hour, project presentation, alumni talk, pulse check, guest speaker sessions there.



# Who to Contact

- Sign up our [Slack group](#) and join the [#bootcamp-online](#) channel if you haven't
- **Gabi Huelgas Morales** - Logistics feedback / General questions / Study Plan
  - [gabriela.morales@nycdatascience.com](mailto:gabriela.morales@nycdatascience.com) / @GabiMorales
- **Sam Audino** - Logistics feedback / General questions / Study Plan
  - [sam.audino@nycdatascience.com](mailto:sam.audino@nycdatascience.com) / @samaudino
- **Irene Zhan** - Registrar / Tuition Inquiries / Leaves, Transfers, Withdrawals
  - [irene.zhan@nycdatascience.com](mailto:irene.zhan@nycdatascience.com) / @Irene
- ***There is also an IDL email, which you can send any general questions to:***
  - [idl@nycdatascience.com](mailto:idl@nycdatascience.com)

# Who to Contact

- **For any quick questions or require immediate attention**
  - Post it on the Slack channel
- **Question regarding the lecture material**
  - Schedule a meeting with mentor in the [meeting portal](#)
  - Ask one of the instructors
- **Technical Support**
  - Email [support@nycdatascience.com](mailto:support@nycdatascience.com) or submit a ticket in the LMS
- **Online Bootcamp [FAQ](#)**

# Who to Contact

- **Job Placement** (about halfway through the bootcamp)
  - Recorded job placement sessions to guide you on how to polish your resume and what to prepare for a data scientist interview
  - We have weekly career services session for you to connect with our career service advisor to revise your resume. However, feel free to reach out to [hiring@nycdatascience.com](mailto:hiring@nycdatascience.com) whenever you need job support.
  - 4 weeks of coding and case study assignments after the bootcamp

# We want to know you!

- **If possible, please turn on your camera while we get to know each other!**
  - What is your background?
  - Why are you interested in data science?
  - Where are you located?
  - Fun fact!

# 2.

## Academic



# Graduation requirements

## Required

- Complete and **present** 4 projects, along with 4 blog posts
  - Python Data Analysis
  - R Data Analysis (interactive Shiny app)
  - Machine Learning
  - Capstone
- Complete 85% of the lectures
- Be considered in attendance **every week**

## Highly recommended

- Homework submission is required for skill development
  - Incomplete homework can affect your academic standing
- Midterms are used to check comprehension of material and alert you about areas you may need to work on



# Graduation requirements

- **Projects are given a grade of A, B, C, or F.**
- There will be specific criteria for each project with different weights. The overall grade is calculated using a weighted sum of these parts.
- Each project has a dedicated rubric so you know what we'll be looking for:
  - [Python Data Analysis](#)
  - [R Data Analysis \(interactive Shiny app\)](#)
  - [Machine Learning](#)
  - [Capstone](#)

# Academic Policies

- To be considered in attendance **every week** you are required to:
  1. Watch the assigned lecture videos (at least 70%)
  2. Respond to the weekly discussion thread in the slack channel
  3. Have a meeting with an Academic Mentor through the [meeting portal](#)
  4. Complete one of the following items (depends on the specific week):
    - a. Present a project
    - b. Attend an office hour
    - c. Attend a Live Learning Session

# Academic Policies

- If there is no academic activity for one week, you are considered to be absent for the whole week. You will receive an **Academic Warning**. If you are absent for two weeks, you may be **withdrawn** from the program unless there are extenuating circumstances involved.
- If you need to travel for business or have mitigating circumstances such as illness, accidents, etc., please check with us to see if you could request a Leave of Absence. You may email your Leave of Absence request to [studentservices@nycdatascience.com](mailto:studentservices@nycdatascience.com)
- Project failure (F grade) will result in being placed on **Academic Warning**. A success plan may be developed to remedy the academic deficiency.
- Failure to show significant progress will result in **Academic Probation** or **dismissal** from the program.

# Academic Honesty

## Do

- There are many student projects available on our [student blog](#) for you to read.
- We encourage you to use the blog for inspiration.

## Don't

- **Plagiarism** will not be tolerated.
- Submitting the homework or Midterm Exam solutions as your own answers will not be tolerated.
- We will respond to **Academic Dishonesty** with appropriate action.

# 3.

## Success Tips



# Success Factors

- **Job opportunities and pay are highly correlated with:**
  - The industry you apply to
  - Educational background
  - Work experience
  - Personality (team player, project management, and leadership)
  - Communication and presentation skills
  - Time and effort put into the program!

# Success Factors

- **Always deliver on time** (not an easy thing to keep if you have a full-time job)
- Form a study group to review and challenge each other for a better learning experience
- Develop cheat sheets and sample code to summarize concepts

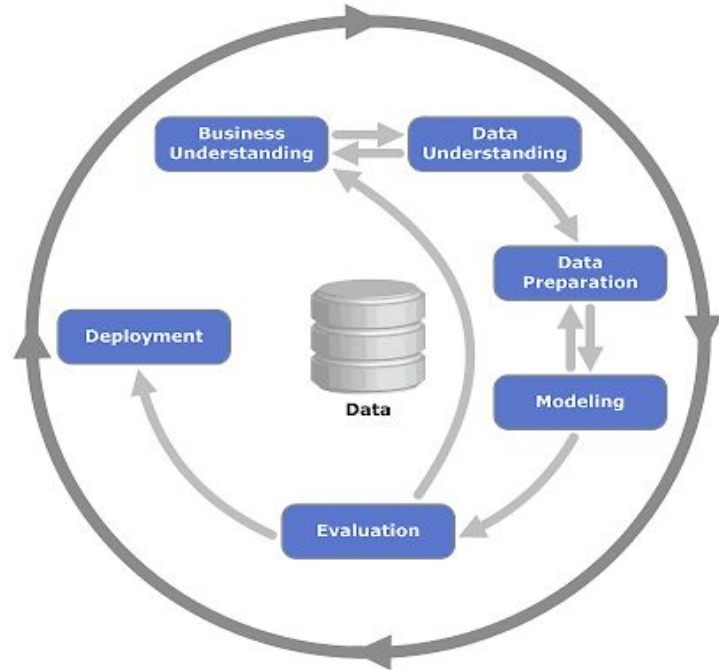
# What are you here to learn?

- You're not only here to learn how to use the tools and methods.
- You will learn how to **apply** the tools and methods!
- Make sure to focus on how to use these tools to gain **business insights** and to make data-driven recommendations to optimize a business.



# What are you here to learn?

## CRISP-DM



# How to Connect With the Academy

- Follow us on social media:
  - <https://twitter.com/NYCDDataSci>
  - <https://www.facebook.com/nycdatascience>
  - <https://www.linkedin.com/groups/7433473>
- Share your awesome work and experience in the bootcamp!
- Add Vivian as your LinkedIn connection so you have access to her 19,000+ network!  
<https://www.linkedin.com/in/vivianszhang/>

# Extra Bootcamp Study Resources

In addition to the instructional materials available on the LMS (Learning Management System), we provide a [list of learning resources](#) to support further study and research on specific topics related to the bootcamps



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**Thanks. Any Questions?**