



Welcome to Data Science

Immersive Remote - DSI-R 11/1

Orientation

DSIR 11/1 Orientation - Agenda

Day 1 Setup

Online Norms & Best Practices

- Zoom
- Slack

Introductions

- Icebreaker
- Instructional & Support Team

Course Details

- Curriculum Overview
- Day in the Life of DSI Remote
- Outcomes
- Graduation Requirements
- Code of Conduct

How to Succeed

Q&A



DSIR Orientation

Introductions



Introductions

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How to Succeed

Q&A



Lead Instructor



Hank Butler

(he/him)

- Previously:
 - Work Experience: Start Up, Supply Chain, Finance, Government
 - Education: BA Economics, MS Applied Economics
- Recommended Resources:
 - Too many to list, slack me!
- Interests:
 - Data Science/Programming
 - Sports
 - Movies
 - Hiking
 - Reading

Instructional Associate

Jacob Ellena

[He/Him]



- Previously:
 - Monterey Bay Aquarium Research Institute
 - Tapjoy
 - Mapbox
- Recommended Resources:
 - Data Statistics: [StatQuest](#)
 - Python Syntax: [Geeks for Geeks](#)
 - Markdown Tables: [Markdown Table Generator](#)
- Interests:
 - Whiskey
 - Donuts
 - Video Games

Meet Your Support Team



Danielle Zarachowicz (she/her)

Online Student Success Manager

Student success support for Live Online courses, responsible for onboarding and in-course support



Jenny Wyss (she/her)

Online Instructor Manager

Instructor Manager for Live Online courses, responsible for hiring and managing instructional teams

Student Success at GA

- Meet weekly with instructors to check-in on the course
- Student Success Plans (SSPs)
 - Student success plans are designed to help students meet graduation requirements when they've fallen behind or need additional support.
 - Students can also proactively reach out if they want assistance with project or time management.
- online@generalassemb.ly for questions regarding:
 - Tuition
 - GA Accounts
 - Questions or feedback regarding your course





Julie Carroll (she/her)

Career Coach (Outcomes Manager)

I'm here to help you achieve your career goals! Feel free to reach out at any time!

Get in touch:

Email: julie.carroll@generalassemb.ly

Slack: [julie.carroll](#)

LinkedIn: [linkedin.com/in/juliecarroll2/](https://www.linkedin.com/in/juliecarroll2/)



Weekly Outcomes Workshops: Until You Get Hired

Outcomes exists to help students plan and execute their job search.
Outcomes support runs **in-course** AND **post-course**.

In-Course Topics

- Personal Branding
- LinkedIn
- Resume Building
- Networking

In-Course Topics (con't)

- Resume and LinkedIn Feedback
- Interview Practice
- Job Search Strategy
- Life After GA

Post-Course Topics include...

- Salary Negotiations
- Time Management in the Job Search
- Finding Remote Jobs
- Fighting Imposter Syndrome
- ...and many more



DSIR Orientation

Day 1 Setup



Workspace Setup

Internet connection:

- Ethernet is required

Monitor Setup:

- Dual monitors are required

Ideal Location:

- Quiet with minimal distractions
- Well lit

Background:

- We will see whatever is behind you



DSIR Orientation

Online Norms & Best Practices





Zoom Norms & Best Practices

Be Present

- Class time should be a distraction free zone. Please set boundaries in your household by letting everyone know that you will be unavailable for those active class hours. This way you can direct your full attention to class!
- **You should be on camera for the entirety of the class, unless you need to step away briefly. If you have questions or concerns, please let your instructional team know via Slack**

Be Mindful

- You should be on mute during lecture & when you are not speaking. This will prevent background noise from impeding learning.
- Make sure you're in a well-lit space with as few distractions in the background as possible.

Be Participatory

- Since most of the time you will be on mute, Slack will come in handy whenever you want to share your thoughts.



Course Tools: Slack



- We will be using Slack, a powerful instant messaging tool throughout the course to communicate! Accept your email invite to the ga-students.slack.com workspace.
- Join your Slack channels!
 - dsir-111-lessons
 - dsir-111-support
 - dsir-111-memes
 - dsir-111-resources
 - dsir-111-outcomes
- Create a Direct Message group chat with both of your IAs and send a short message!
- Set up your Slack profile
 - Add a photo to your Slack profile
 - In the top left corner, go to “Profile & Account” and click into “Full name.” Within the box, enter your First and last name, your pronouns. We include pronouns so instructors and classmates know how to address you. For example, if your name is Michelle Cohen and your pronouns are she/her, your profile would look like this:



Course Tools: Setting Up Slack

Update your full name to:
(First name) (Last name) (Pronouns)

1

Edit your profile

Full name

Michelle Cohen (she/her)

Display name

Display name

This could be your first name, or a nickname — however you'd like people to refer to you in Slack.

2

Profile photo



Update profile photo:
With an easily identifiable photo

Icebreaker

- Name
- Pronouns (she/her, he/him, they/them)
- Location
- If you had to eat any color, what would it be? (Taste the rainbow)



DSIR Orientation

Course Details



Curriculum Overview

Over the next 12 weeks, you will dive into Data Science Immersive with the following units:

- Unit 1: Fundamentals
- Unit 2: Exploratory Data Analysis
- Unit 3: Classical Statistical Modeling
- Unit 4: Advanced Machine Learning Models
- Unit 5: Advanced Topics and Trends

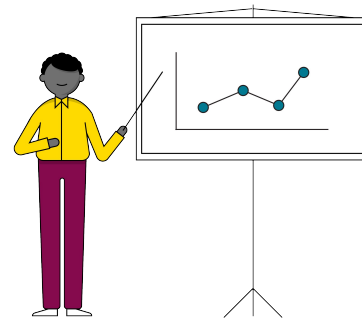
You can read more on the DSIR curriculum [here](#).

You can expect **about** 4 hours of homework each night (Approx 30 hours of work outside of class)



Key Dates

- **Dates:** 11/1/21 - 2/7/22
- **Hours:** 9:00 AM - 5:00 PM Pacific
- **Holidays:** 11/11, 11/24 - 26, 12/24, 12/27 - 31, 1/3, 1/17
- **Outcomes Programing:**
 - Mondays 10:00 - 11:30 am pacific
 - starting Monday 11/8, week 2



Office Hours

- **Monday - Thursday** 5:00 - 8:00 pm PT
- **Sunday** 2:00 - 5:00 pm PT

You'll be added to the Slack channel **DSI-office-hours**.

Each day a thread will be posted and students sign up in the thread for 20- minute sessions. TAs will meet with you in a breakout room.

Day in the life of DSI Remote

Times	Activity
9 - 10am PDT	Breakfast Hour: Warm-up / Review / Check-ins / Coding Challenges (varies by day)
10am - 12pm PDT	Morning Lesson
12 - 1pm PDT	Lunch
1 - 3pm PDT	Afternoon Lesson
3 - 5pm PDT	Lab / Study Hall / Other

Please note:

All of these times are estimates, except for the beginning of class time.

All students must be connected to the classroom from 9 am to 5 pm PDT unless otherwise noted by instructional team.

10 minute breaks will be held about every hour.



Graduation Requirements

Students will be eligible for graduation if they:

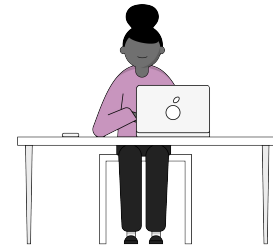
- **Have a good attendance record**
 - Students may accrue a maximum of 3 excused absences
 - 3 tardies or early departures are considered an absence
- **Receive a passing grade on 80% of all homework, which consists of:**
 - Labs
 - Blog posts
 - Quizzes
- **Complete, receive a passing grade on and present all projects**



Students who have fulfilled all of the above requirements will receive a digital certificate of completion via email about 1 week after the course's end.

Graduation Requirements - Attendance

- Students are allowed **up to 3 excused absences**.
 - You must notify us prior to missing class!
- Note that 3 tardies/early departures is equivalent to 1 absence.
 - Attending class after the grace period (5 minutes after the lesson starts) will be considered a tardy
 - Leaving class before the end of the PM lesson is considered an early departure
 - Tardies will be marked starting at 9:05am. Any practice missed is your responsibility to make up.
 - If you are not present on time at 1:00pm PST for our afternoon lecture, you will also accrue one tardy.
- Unexcused absences are not permitted except in extraordinary situations.

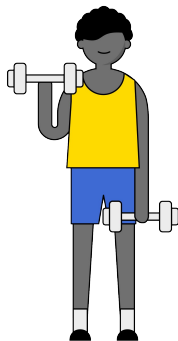


Labs

There will be ~2 labs per week that are graded pass/fail.

Labs give you an opportunity to apply your learnings from the week and get practice implementing new concepts from lecture.

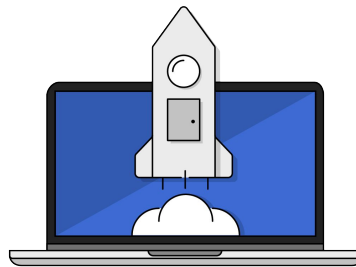
These labs will be due the Monday after they are assigned (unless it's a holiday or otherwise communicated).



Blog Posts

You will be expected to complete 6 posts over the course and are a great tool for increasing your visibility online. Some example ideas below:

- Pick a course topic with which you struggled, then explain it.
- Why did you choose to leave what you did before and get into data science?
- Solve a problem on CodeWars. How did you tackle it? Are there multiple ways to solve it? How are the methods different/better?
- What is a new package or library you discovered? How did you discover it? Why should others use it?
- Do a non-technical write-up summarizing a project you've completed.

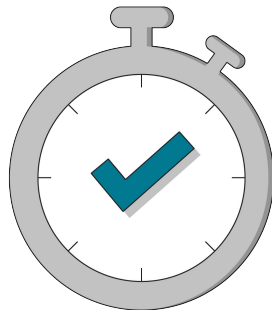


Quizzes

There is one 45 min - 1 hr assessment given every two weeks (planned for weeks 1, 3, 5, 7, 10, and 11).

Assessments are designed to simulate technical job interviews, to evaluate your understanding of the learning objectives, and to identify areas to review (for you and us)!

If you don't pass an assessment on the first attempt, a similar retake will be offered.



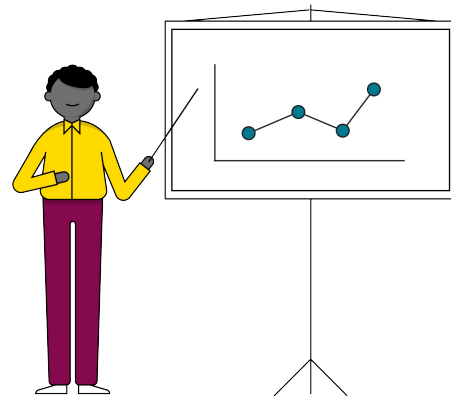
Projects

Projects are a more in-depth opportunity to apply the course learnings. They allow you to:

- to show off what you've learned,
- to synthesize material taught throughout the course,
- and to have something stellar in your portfolio!

You will complete six projects throughout the class. There will be:

- Three individual projects,
- a day-long Hackathon,
- a group project,
- and your capstone project.

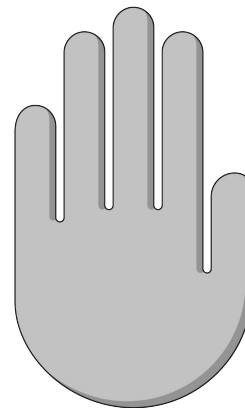


Plagiarism

Plagiarism means the original author isn't getting credit for the work they did and the person using the work is taking credit for work they didn't do.

However, plagiarism is also tricky:

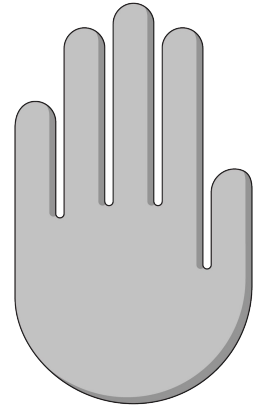
- Copying someone else's words or code without credit.
- Changing words, variable names, etc. but copying the code or files of a source without credit.
- Copying so many ideas/code blocks from a source that it makes up the majority of one's work, whether or not credit is given.



Plagiarism - Continued

How can we avoid plagiarism?

- Avoid copying or “copying” where possible.
- Provide credit to any source you copy or “copy” from.
- If you’re unsure whether or not you need to provide credit, err on the side of caution and provide credit!



Code of Conduct

Should a student be disruptive to the community, they may be asked to leave.

General Assembly has a zero-tolerance policy towards plagiarism and cheating.

Students are to treat all members of the staff and other students with respect and dignity.



Tuition

Tuition payments must be up to date.

If you have questions or concerns about this, please get in touch with student success.

DSIR Orientation

How to Succeed



Exit Tickets

To help us better understand real-time student learning, Exit Ticket feedback is collected at the end of each week and is used in the following ways:

- Reviewed by instructional team every week
- Collect and present data on student learning during class
- Informs instructional team on lesson planning and learning objectives

WILL BE DISTRIBUTED BY SLACKBOT EVERY MONDAY.



On a scale of 1-5, how well did this lesson cover the learning objectives? *

Did you cover all the learning objectives mentioned at the start of the lesson.

1 2 3 4 5

Not Well ☐ ☐ ☐ ☐ ☐ Very Well

On a scale of 1-5, how easy was the content to learn? *

Was it presented well? Did you learn the concepts presented?

1 2 3 4 5

Difficult ☐ ☐ ☐ ☐ ☐ Very Easy

On a scale of 1-5, how effective was your instructor at teaching the content? *

1 2 3 4 5

Not Effective ☐ ☐ ☐ ☐ ☐ Very Effective

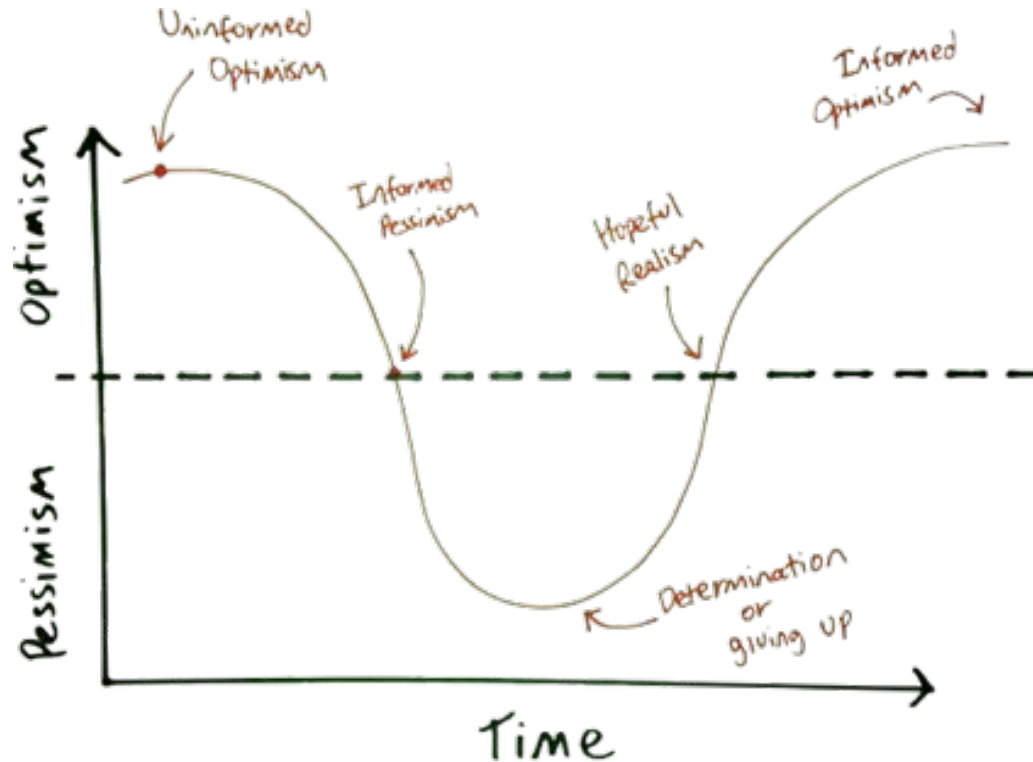
Anything you want to share about this lesson in particular?

Never submit passwords through Google Forms.

Road to Success



Emotional Cycle of Change & Growth Mindset

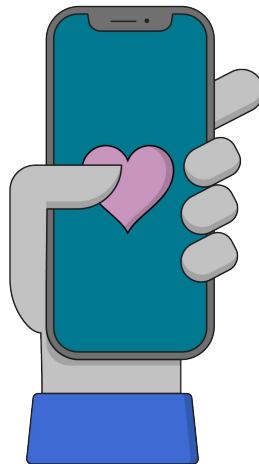


[The power of belief:
Mindset & Success](#)

Ginger

All GA Immersive students have access to Ginger, a mobile application that provides confidential, on-demand emotional health support. Coaches help members with a wide range of life challenges, including:

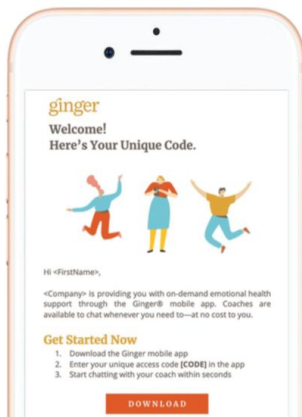
- Stress and anxiety
- Having difficult conversations
- Goal setting
- Creating healthy boundaries
- Life changes
- Supporting new parents
- Grief support
- Relationship struggles
- Imposter syndrome
- Better communication skills
- Chronic conditions



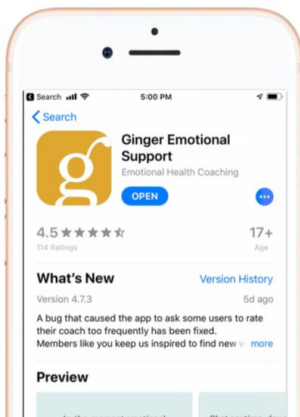
Ginger

Member Experience

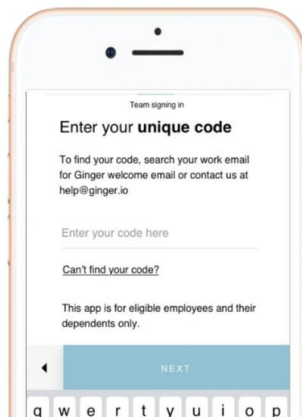
You will receive a **welcome email** with unique access codes for you and your dependents



Download the **Ginger Emotional Support App** from Google Play or Apple Store



Enter your **unique access code** into the app and start chatting with your coach



AROUND-THE-CLOCK COACHING

Coaches can help you achieve personal goals or just be there when you need someone to talk to-day or night.



PERSONALIZED SELF-CARE

Coaches share self-care Guides to help you achieve your goals and support you every step of the way.



CONFIDENTIAL & SECURE

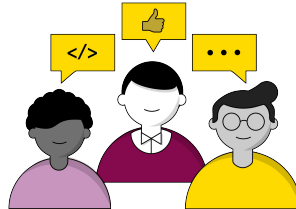
Your information is securely stored, completely confidential and protected by HIPAA regulations.

Note: Welcome Emails are sent out from Ginger (not from GA) 2 times/month (depending on when you signed your enrollment agreement and paid your deposit). Please reach out to online@ga.co if it has been 2 weeks since you've signed your enrollment agreement + paid and haven't received a Welcome Email.

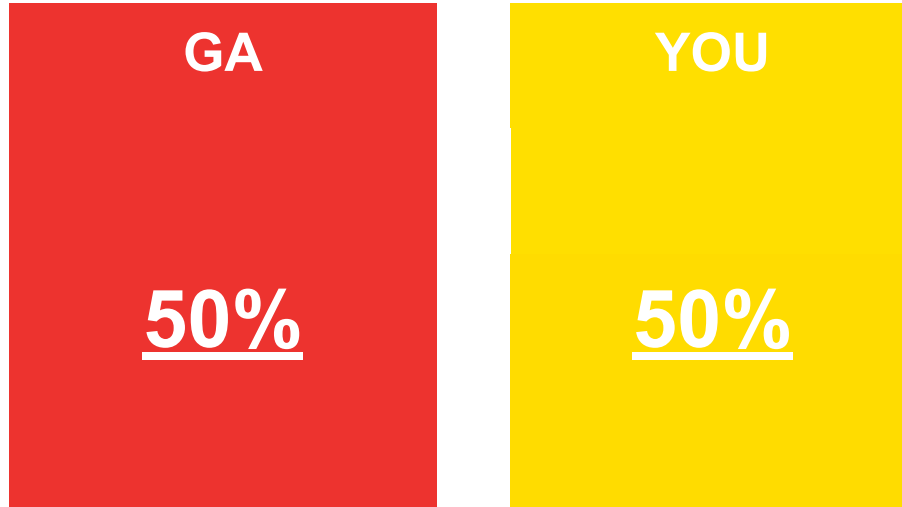


Professionalism

- We will treat you like adults and expect you to behave like adults.
- If any student is behaving in a way that is disrespectful and/or dangerous towards their fellow data scientists, that should be brought to student success' attention immediately. Similarly, any issues that involve an instructor should be brought to student success' attention immediately.
- Slack is an extension of General Assembly. Although it's online, we continue to have professionalism standards and expectations for its use, just as a company might for any online communication while on the job.
- Please see the 'Code of Conduct' portion of your student enrollment agreement if you have questions about this.

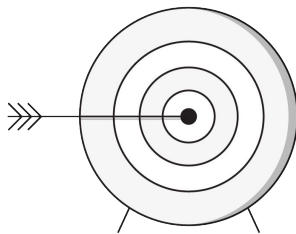


Student Responsibilities



Course Goals

- **Empower** your problem-solving skills by building a data-driven mindset.
- **Identify** the best tools and techniques for common data use cases.
- **Learn** to critique, analyze, and discern insights from common data sources.
- **Account** for the needs of key users and stakeholders in order to make your findings more persuasive.
- **Present** data-driven observations and findings using data visualizations and dashboards.



DSIR Orientation

Q&A

