



Welcome to Data Science

Immersive Remote - DSI-R 7/12

Orientation

DSIR 7/12 Orientation - Agenda

1. Day 1 Setup
2. Online Norms & Best Practices
 - Zoom
 - Slack
3. Introductions
 - Icebreaker
 - Instructional & Support Team
4. Course Details
 - Curriculum Overview
 - Day in the Life of DSI Remote
 - Outcomes
 - Graduation Requirements
 - Code of Conduct
5. How to Succeed
6. Q&A



DSIR Orientation

Introductions



Introductions

Day 1 Setup

Online Norms &
Best Practices

Course Details

How to Succeed

Q&A



Lead Instructor

Sophie Tabac

[she/her]



- Previously:
 - Columbia theoretical math
 - ML Researcher
 - Software engineer
 - Data Scientist
- Recommended Resources:
 - Pattern Recognition and Machine Learning (Bishop)
- Interests:
 - ML methods for EEG signal to speech transfer
 - Peer reviewing ML and Python textbooks for Pearson
 - ML startup tech due diligence for VCs

Lead Instructor



Riley Dallas

[He/Him]

- Previously:
 - Software engineer
- Recommended Resources:
 - Stack overflow!
 - Udemy
 - Khan Academy
- Interests:
 - Learning new programming languages
 - My family!

Instructional Associate

Alanna Besaw

[She/Her]



- Previously:
 - Winemaker
- Recommended Resources:
 - James, Witten, Hastie, Tibshirani (2009) *An Introduction to Statistical Learning with Apps in R*
 - Notes on DS and ML: www.chrisalbon.com
- Interests:
 - Music
 - Reinforcement learning

Meet Your Support Team



Michelle Cohen

Online Student Success Manager

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



Jenny Wyss

Online Instructor Manager

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



Porcha Chambers (she/her)

Career Coach

Outcomes instructor and job search support

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
- Email online@generalassemb.ly for questions regarding:
 - Tuition
 - GA Accounts
 - Questions or feedback regarding your course



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 is a distraction free zone
- Must be on camera for the entirety of the class

Be Mindful

- Mute yourself any time you are not speaking
- Pick a well-lit location w/o distractions

Be Participatory

- Use Slack to ask questions and share thoughts



Slack Norms & Best Practices

Accept your **email invite** to the **ga-students.slack.com** workspace

Slack is a messaging platform that we use to:

- Share the day's materials
- Make announcements
- Check for understanding during classes
- Sync timing during group exercises



Course Tools: Slack

Accept your **email invite** to the **ga-students.slack.com** workspace.

- **Join** your Slack channels:
 - dsir-712-groupwork
 - dsir-712-lessons
 - dsir-712-resources
 - dsir-712-outcomes
- **Create** a Direct Message group chat with your instructor team
 - **Send us 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**



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

1. **Name**
2. **Pronouns**
 - a. she/her
 - b. he/him
 - c. they/them
 - d. Other pronouns
3. **Location**
4. If you were a **wrestler**, what would be your **entrance theme song**?



DSIR Orientation

Course Details



Day in the life of DSI Remote

Times	Activity
9 am - 10 am	Breakfast Hour
10 am - 12 pm	Morning Lesson
12 pm - 1 pm	Lunch
1 pm - 3 pm	Afternoon Lesson
3 pm - 5 pm	Flex Time

Please note:

- **All times are EST**
- **Classes start at 9 am, 10 am, and 1 pm sharp**
- **All students must be connected to the classroom from 9 am to 5 pm EST**
- **5-10 minute breaks** will be held about every hour and a half

Curriculum Overview

Data Science Immersive covers:

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

Homework expectations:

- About **4 hours** a day
 - Not counting work during Flex Time



Key Dates

- **Dates:** 7/12/21 -10/4/21
- **Hours:** 9:00 AM - 5:00 PM EDT
- **Holidays:**
 - Monday 9/6 - Labor Day
- **Outcomes Programing:**
 - Thursday PM lesson time
 - TBD following graduation

Outcomes

Starting Week 2

Outcomes at General Assembly helps students plan and conduct their job search!

Job Search Foundations (Theory)

1. Intro to Outcomes
2. Personal Branding

Building a Presence (Practical)

3. Resume Building
4. LinkedIn Best Practices
5. 1:1 (Resume and LinkedIn)
6. Networking

Entering the Search (Practice)

7. Finding Jobs and Applying
8. Behavioral Interviews
9. Interview Practice
10. Technical Interviews
11. 1:1 (All Materials)
12. Life After GA



Graduation Requirements

To be eligible for graduation, students must:

- **Attendance:**
 - **Up to 3 *excused* absences** are allowed
 - **One tardy** or early departure counts as $\frac{1}{3}$ of an excused **absence**
- **Homework:**
 - **80% completion rate on:**
 - Labs *and*
 - Blog posts *and*
 - Quizzes
- **Projects:**
 - **Pass *all* projects**
 - Only one “**resubmission**” is **allowed** during the entire course

Students who have fulfilled all of the above requirements will receive a digital certificate of completion via email about one 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
- **3 tardies/early departures = 1 absence**
 - Anything missed is your responsibility to make up
- **Tardy:**
 - **Arriving** to class **after** the set **start time**, including breaks
 - Grace period: 3 minutes
- **Early departure:**
 - **Leaving** class **before the end** of Breakfast Hour, AM or PM lessons, or Flex Time
- **Unexcused absences:**
 - Extraordinary situations only; otherwise, not allowed

Labs

Grading: Pass/Fail

Frequency: About 2 per week

Purpose: practice the concepts and apply knowledge from lecture that week

Due dates: By 9 am EDT one week after the lab is released; unless otherwise communicated

Time to complete: 4 hrs - 30 hrs



Quizzes

Grading: points + feedback to you, but recorded as **Pass/Fail**

Frequency: one quiz every two weeks (planned for weeks 2, 4, 6, 8, 10, and 12)

Time to complete: 45 mins - 1.5 hrs

Purpose: first and foremost, quizzes simulate the in-person/live technical part of job interviews

Notes: If you don't pass a quiz on the first attempt, a similar retake will be offered

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? Why did you discover it? Why should others use it?
- Do a non-technical write-up summarizing a project you've completed.



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 across different weeks in the course,
- and to have something stellar in your portfolio!

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

- four cohort-wide projects (projects 1-3),
- a day-long group Hackathon (project 4),
- a group project (project 5),
- and your capstone project.





Tuition

Tuition payments must be up to date.

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

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 providing 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.



DSIR Orientation

How to Succeed



BEFORE WE BEGIN....

EXIT TICKETS - THEY ARE KIND OF, SORT OF, VERY IMPORTANT!

Classroom tool used to 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 after 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 FRIDAY.

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

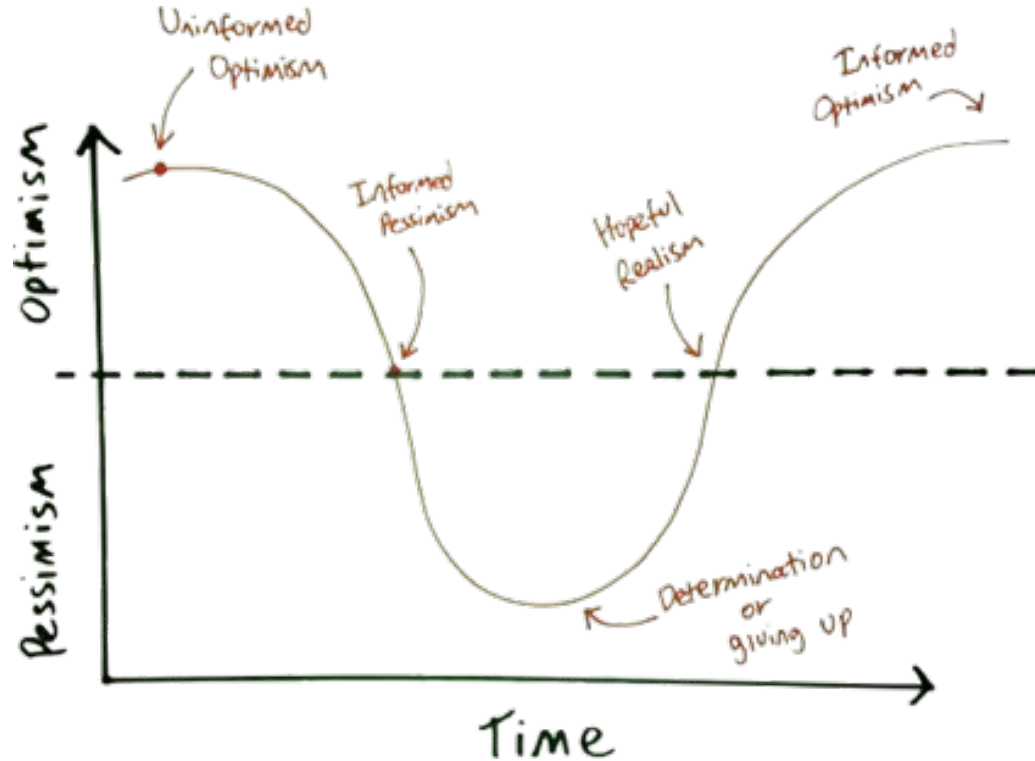
Anything you want to share about this lesson in particular?

Never submit passwords through Google Forms.

ROAD TO SUCCESS IN THIS COURSE

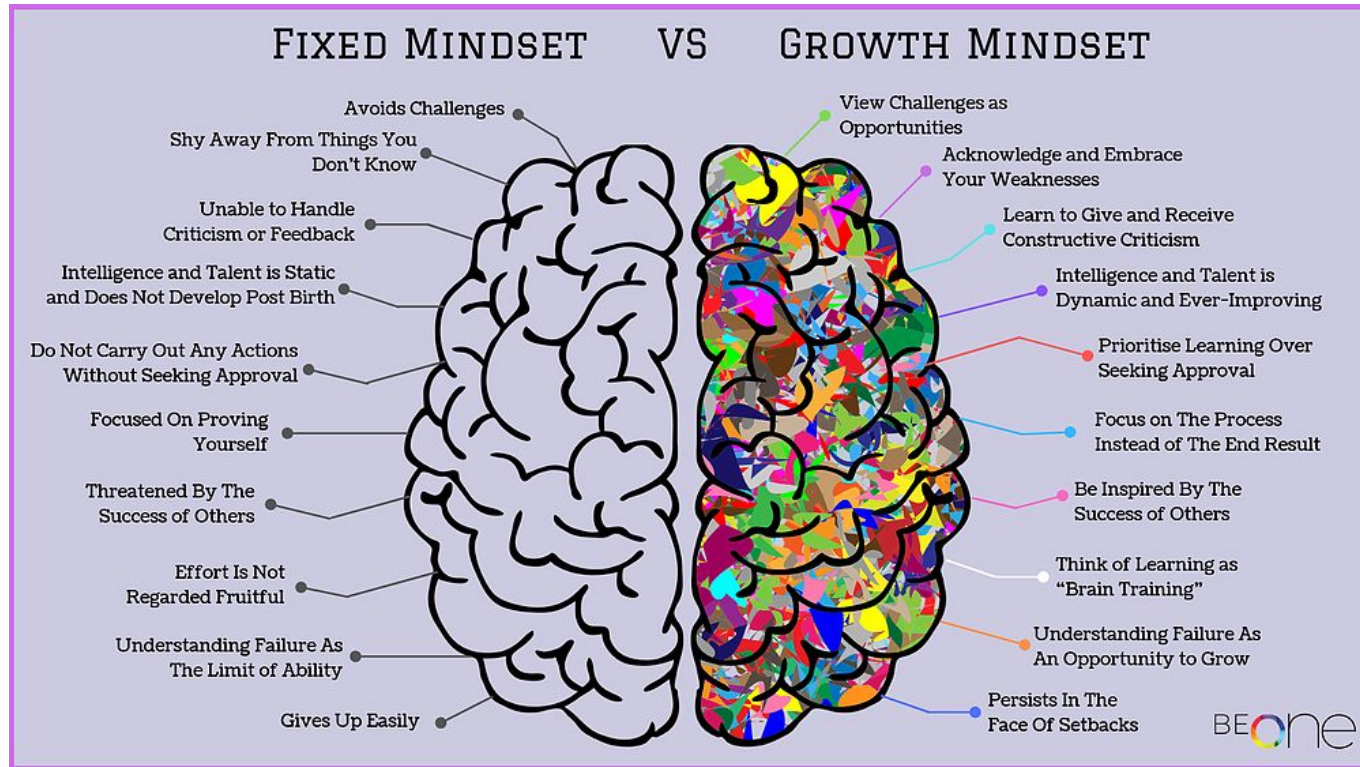


EMOTIONAL CYCLE OF CHANGE & GROWTH MINDSET



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

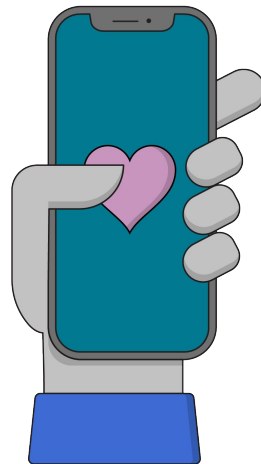
Fixed Mindset Versus Growth Mindset



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:

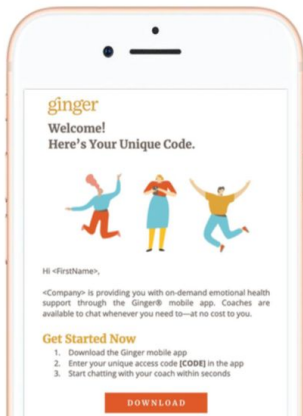
- Stress and anxiety
- Having difficult conversations
- Goal setting
- Creating healthy boundaries
- Life changes
- Supporting new parents
- Grief support
- Relationship struggles
- Imposter syndrome
- Better communication skills
- Chronic conditions



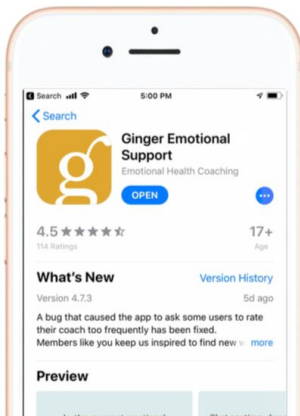
Ginger

Member Experience

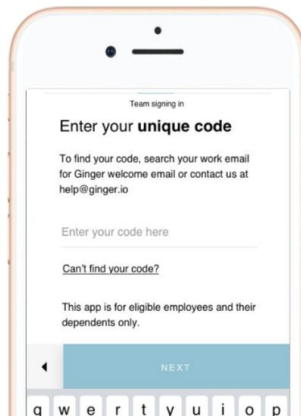
You will receive a **welcome email** with unique access codes for you and your dependents



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.

You will receive a Welcome Email directly from Ginger within 2 weeks of your finalized enrollment (paid deposit + signed enrollment agreement)

PROFESSIONALISM

- 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

GA

50%

YOU

50%

COURSE: GOALS

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



DSIR Orientation

Q&A

