

February 22, 2022

# Program Introduction

Welcome to Data Science!

// FLATIRON SCHOOL

# Agenda

- Day-to-day expectations
- Program tools
- Assessment details
- Setting yourself up for success

# Your DS Squad



Praveen Gowtham



Joe Comeaux

# Day-to-Day Expectations



# Weeks 1 & 2

“The  
Normal  
Weeks”

22	23	24	25
Saying Hello 9 – 10am	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan
Orientation 0221 Data Science 10 – 11am	Canvas Time 9:30 – 10:30am	Canvas Time 9:30 – 10:30am	Canvas Time 9:30 – 10:30am
Program Intro, 11am	[Lecture] Introducing The T 10:30am, Manhattan-2-Manhattan	[Lecture] Collaborating with 10:30am, Manhattan-2-Manhattan	[Lecture] JSONs, Pickling, 10:30am, Manhattan-2-Manhattan
NYC DS Community Orientation	Canvas Time, 11:30am	Canvas Time, 11:30am	Canvas Time, 11:30am
Lunch - Catered (Tacos) 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm
[Lecture] Data Science & Data 1pm, Manhattan-2-Manhattan	[Lecture] Git 1pm, Manhattan-2-Manhattan	[Lecture] File IO and CSVs 1pm, Manhattan-2-Manhattan	[Lecture] Visualization in R 1pm, Manhattan-2-Manhattan
Break, 2pm	Break, 2pm	Break, 2pm	Break, 2pm
Individual meeting 2:30 – 5:30pm	Individual Meeting 2:30 – 5:30pm	Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 2:30 – 4:30pm
Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 2:30 – 5:30pm	Office Hours: Joe 4:30 – 5:30pm	Feelings Friday 4:30 – 5:30pm
Stand Down, 5:30pm	Stand Down, 5:30pm	Stand Down, 5:30pm	Stand Down, 5:30pm

# Weeks 1 & 2

“The  
Normal  
Weeks”

MON 28	TUE 1	WED 2	THU 3	FRI 4
Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan
[Assessment] Data Serialization 9:30 – 10:30am	[Assessment] EDA with Pa 9:30 – 10:30am	[Assessment] Pandas Data 9:30 – 10:30am	Canvas Time, 9:30am	Canvas Time, 9:30am
[Lecture] Pandas DataFram 10:30am, Manhattan-2-Manhat	[Lecture] Pandas Data Clea 10:30am, Manhattan-2-Manhat	[Lecture] Descriptive Analy 10:30am, Manhattan-2-Manhat	[Lecture] SQL Joins and Ag 10am, Manhattan-2-Manhat	[Assessment] Phase 1 Code Challenge 10 – 11:30am Manhattan-2-Manhattan - Turing (20)
Canvas Time, 11:30am	Canvas Time, 11:30am	Canvas Time, 11:30am	EAST-WEST & NYC-DS-022 11am, <a href="https://flatironschool.com/">https://flatironschool.com/</a>	Canvas Time, 11:30am
Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm
[Lecture] Data Visualizatio 1pm, Manhattan-2-Manhat	[Lecture] Aggregating and 1pm, Manhattan-2-Manhat	[Lecture] SQL Queries 1pm, Manhattan-2-Manhat	Phase 1 Review 1 – 2:30pm Manhattan-2-Manhattan - Turing (30)	[Lecture] SQL Subqueries a 1pm, Manhattan-2-Manhat
Break, 2pm	Break, 2pm	Break, 2pm	Break, 2:30pm	Break, 2pm
Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 3 – 5:30pm	Pair Programming/Canvas 2:30 – 3:30pm
Office Hours: Praveen 4:30 – 5:30pm			Office Hours: Joe 4:30 – 5:30pm	Project Intro 3:30 – 4:30pm
Stand Down, 5:30pm	Stand Down, 5:30pm	Stand Down, 5:30pm	Stand Down, 5:30pm	Feelings Friday 4:30 – 5:30pm
				Canvas Time, 5:30pm

# Stand Ups



We will check in and check out every day.

**We take attendance!** (refer to attendance policy)

Stand ups will include:

- Questions about material from previous day. Concerns.
- Presenting blog posts
- Communicating events and deadlines

# Stand Ups



We will check in and check out every day.

**We take attendance!** (refer to attendance policy)

Stand downs will include:

- Light concept questions
- Bite size Python/SQL challenges
- Questions/concerns
- Joe will conduct stand downs via Zoom.



# Weeks 1 & 2

## Lectures

	1	2	3	4
	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan
[Lecture] Data Serialization 9:30 – 10:30am	[Assessment] EDA with Pa 9:30 – 10:30am	[Assessment] Pandas Data 9:30 – 10:30am	Canvas Time, 9:30am	Canvas Time, 9:30am
[Lecture] Pandas DataFram 10:30am, Manhattan-2-Manhat	[Lecture] Pandas Data Cle 10:30am, Manhattan-2-Manhat	[Lecture] Descriptive Analy 10:30am, Manhattan-2-Manhat	[Lecture] SQL Joins and Ag 10am, Manhattan-2-Manhat	[Assessment] Phase 1 Code Challenge 10 – 11:30am Manhattan-2-Manhattan - Turing (20)
Canvas Time, 11:30am	Canvas Time, 11:30am	Canvas Time, 11:30am	EAST-WEST & NYC-DS-022 11am, <a href="https://flatironschool.com/">https://flatironschool.com/</a>	Canvas Time, 11:30am
Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm
[Lecture] Data Visualizatio 1pm, Manhattan-2-Manhat	[Lecture] Aggregating and 1pm, Manhattan-2-Manhat	[Lecture] SQL Queries 1pm, Manhattan-2-Manhat	Phase 1 Review 1 – 2:30pm Manhattan-2-Manhattan - Turing (30)	[Lecture] SQL Subqueries a 1pm, Manhattan-2-Manhat
Break, 2pm	Break, 2pm	Break, 2pm	Break, 2:30pm	Break, 2pm
Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 3 – 5:30pm	Pair Programming/Canvas 2:30 – 3:30pm
Office Hours: Praveen 4:30 – 5:30pm			Office Hours: Joe 4:30 – 5:30pm	Project Intro 3:30 – 4:30pm
Stand Down, 5:30pm	Stand Down, 5:30pm	Stand Down, 5:30pm	Stand Down, 5:30pm	Feelings Friday 4:30 – 5:30pm
				Canvas Time, 5:30pm

# Lectures



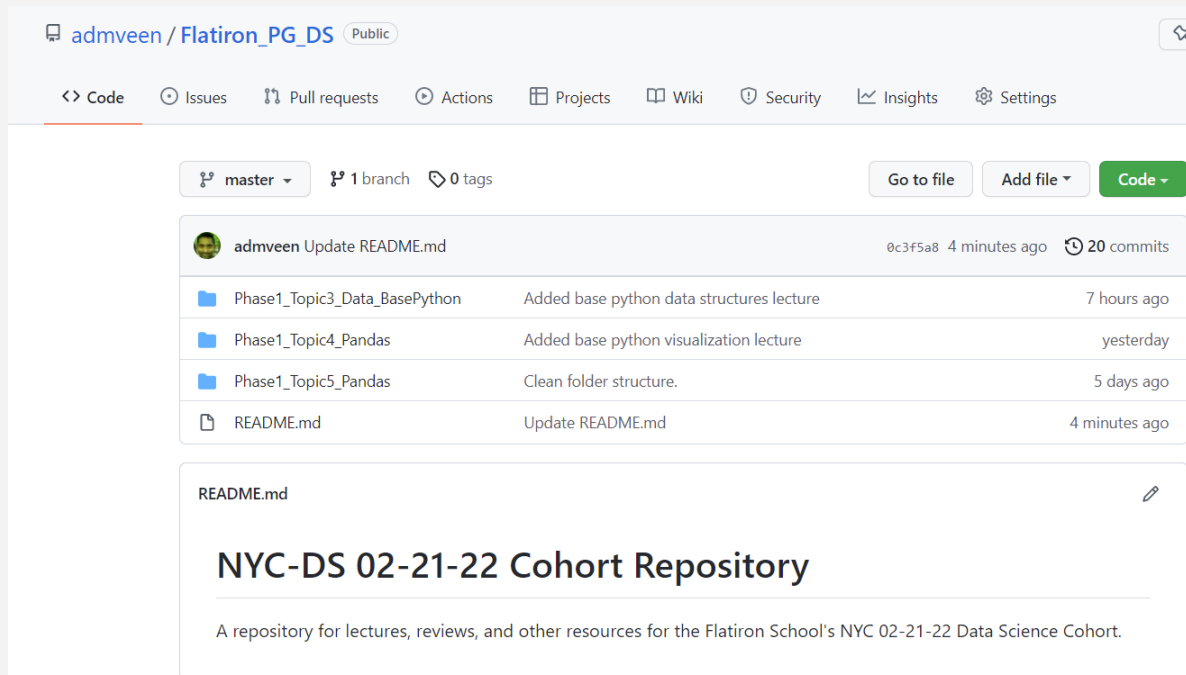
Plan to:

- Ask questions. Participate.
- Take notes.
- Code along when appropriate.

# Cohort Repository

AKA where to find all lecture content!

We will go over how to access materials from this repository in Week 1.



The screenshot shows the GitHub interface for the repository 'admveen / Flatiron\_PG\_DS'. The repository is public and has a 'master' branch with 1 branch and 0 tags. The commit history shows four commits: 'Phase1\_Topic3\_Data\_BasePython' (7 hours ago), 'Phase1\_Topic4\_Pandas' (yesterday), 'Phase1\_Topic5\_Pandas' (5 days ago), and 'README.md' (4 minutes ago). The README file is open, showing the title 'NYC-DS 02-21-22 Cohort Repository' and a description: 'A repository for lectures, reviews, and other resources for the Flatiron School's NYC 02-21-22 Data Science Cohort.'

admveen / Flatiron\_PG\_DS Public

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master 1 branch 0 tags

Go to file Add file Code

admveen Update README.md 0c3f5a8 4 minutes ago 20 commits

Phase1_Topic3_Data_BasePython	Added base python data structures lecture	7 hours ago
Phase1_Topic4_Pandas	Added base python visualization lecture	yesterday
Phase1_Topic5_Pandas	Clean folder structure.	5 days ago
README.md	Update README.md	4 minutes ago

README.md

## NYC-DS 02-21-22 Cohort Repository

A repository for lectures, reviews, and other resources for the Flatiron School's NYC 02-21-22 Data Science Cohort.

# Weeks 1 & 2

## Pair Programming

MON 28	TUE 1	WED 2	THU 3	FRI 4
Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan
[Assessment] Data Serializ 9:30 – 10:30am	[Assessment] EDA with Pa 9:30 – 10:30am	[Assessment] Pandas Data 9:30 – 10:30am	Canvas Time, 9:30am	Canvas Time, 9:30am
[Lecture] Pandas DataFran 10:30am, Manhattan-2-Man	[Lecture] Pandas Data Clea 10:30am, Manhattan-2-Man	[Lecture] Descriptive Analy 10:30am, Manhattan-2-Man	[Lecture] SQL Joins and Ag 10am, Manhattan-2-Manha	[Assessment] Phase 1 Code Challenge 10 – 11:30am Manhattan-2-Manhattan - Turing (20)
Canvas Time, 11:30am	Canvas Time, 11:30am	Canvas Time, 11:30am	EAST-WEST & NYC-DS-022 11am, <a href="https://flatironschoo">https://flatironschoo</a>	Canvas Time, 11:30am
Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm
[Lecture] Data Visualizatio 1pm, Manhattan-2-Manhat	[Lecture] Aggregating and 1pm, Manhattan-2-Manhat	[Lecture] SQL Queries 1pm, Manhattan-2-Manhat	Phase 1 Review 1 – 2:30pm Manhattan-2-Manhattan - Turing (30)	[Lecture] SQL Subqueries a 1pm, Manhattan-2-Manhat
Break, 2pm	Break, 2pm	Break, 2pm	Break, 2:30pm	Break, 2pm
Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 3 – 5:30pm	Pair Programming/Canvas 2:30 – 3:30pm
Office Hours: Praveen 4:30 – 5:30pm			Office Hours: Joe 4:30 – 5:30pm	Project Intro 3:30 – 4:30pm
Stand Down, 5:30pm	Stand Down, 5:30pm	Stand Down, 5:30pm	Stand Down, 5:30pm	Feelings Friday 4:30 – 5:30pm
				Canvas Time, 5:30pm

# Pair Programming



Pair programming helps you practice verbalizing what you want to accomplish prior to writing code.

It also allows you to view a peer's coding style and approach to problems.

## **Driver:**

- Loads up the lab and shares screen
- Responds to instructions provided by Navigator and enters code into cells

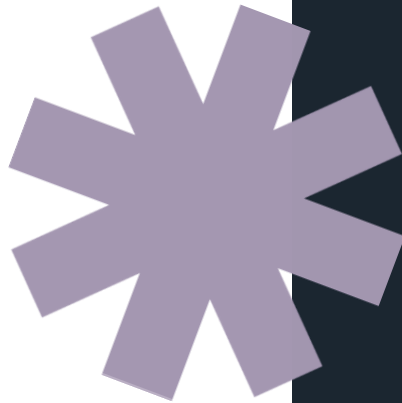
## **Navigator:**

- Instructs the Driver on the approach to take to solve the problem / complete the lab
- Suggests code implementation

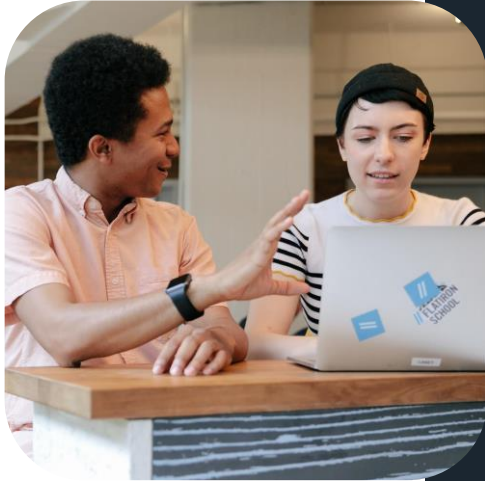
# Canvas Time

Also known as **Personal Working Time**.

- Priority Lessons: **do not** try to do every single lesson.
- Quizzes on Canvas: checks for understanding. **NOT** official assessments, but reference for yourself.



# Individual Check Ins



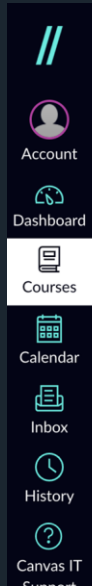
Check in with your instructor(s) or your coach!

Discuss your understanding, review labs or checkpoints, and otherwise check in on your progress through the program.

Sign up for 1:1s using **appointment slots**.

One check in (15 min.) per week with Praveen.


# Lesson Priorities




Home  
Discussions  
Grades  
IllumiDesk  
Modules  
People  
Quizzes  
Assignments

## ▼ Topic 1: Getting Started with Data Science

### **Topic 1 Lesson Priorities (Live)**

 **Getting Started with Data Science - Introduction**  
Mark done

 **The Data Science Process**  
View

 **Problems Data Science Can Solve**  
View

 **PEP8**  
0 pts | Mark done

 **Data Privacy and Data Ethics**  
View

 **Quiz: Data Science Basics**  
5 pts | Score at least 3.0

## Topic 1 Lesson Priorities (Live)

If you have not completed all of the content from Pre-Work, you should do so as soon as possible. Proficiency with the content from the Pre-Work is required to follow along with the lectures and other activities. If you have any questions about Pre-Work material, please reach out to your instructor for support.

For a reminder of how to use these lesson priorities, see [How to Use Lesson Priorities \(Live\)](#)

### Priorities to Complete Before *Data Science Environments* Lecture

Lesson	Priority
<b><u>Getting Started with Data Science - Introduction</u></b>	1st
<u>The Data Science Process</u>	2nd
<u>Problems Data Science Can Solve</u>	2nd
<b><u>PEP8</u></b>	1st
<u>Data Privacy and Data Ethics</u>	2nd
<b><u>Quiz: Data Science Basics</u></b>	1st

### Priorities to Complete After *Data Science Environments* Lecture

Lesson	Priority



# Program Tools



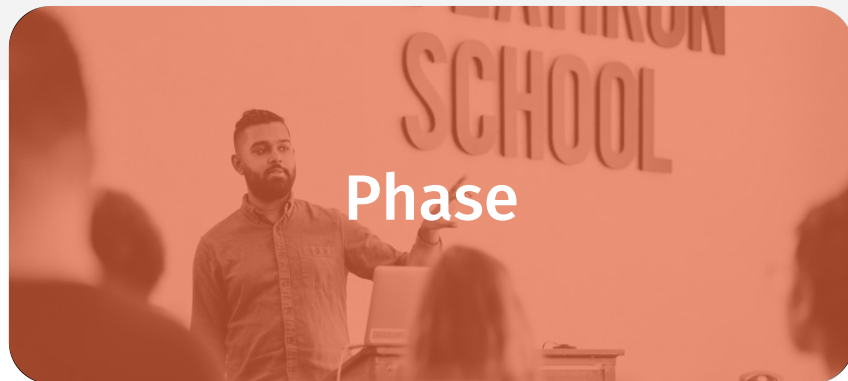
# Canvas



## Homeroom

### Programmatic Content:

- Cohort Calendar
- Program resources and information
- Surveys



## Phase

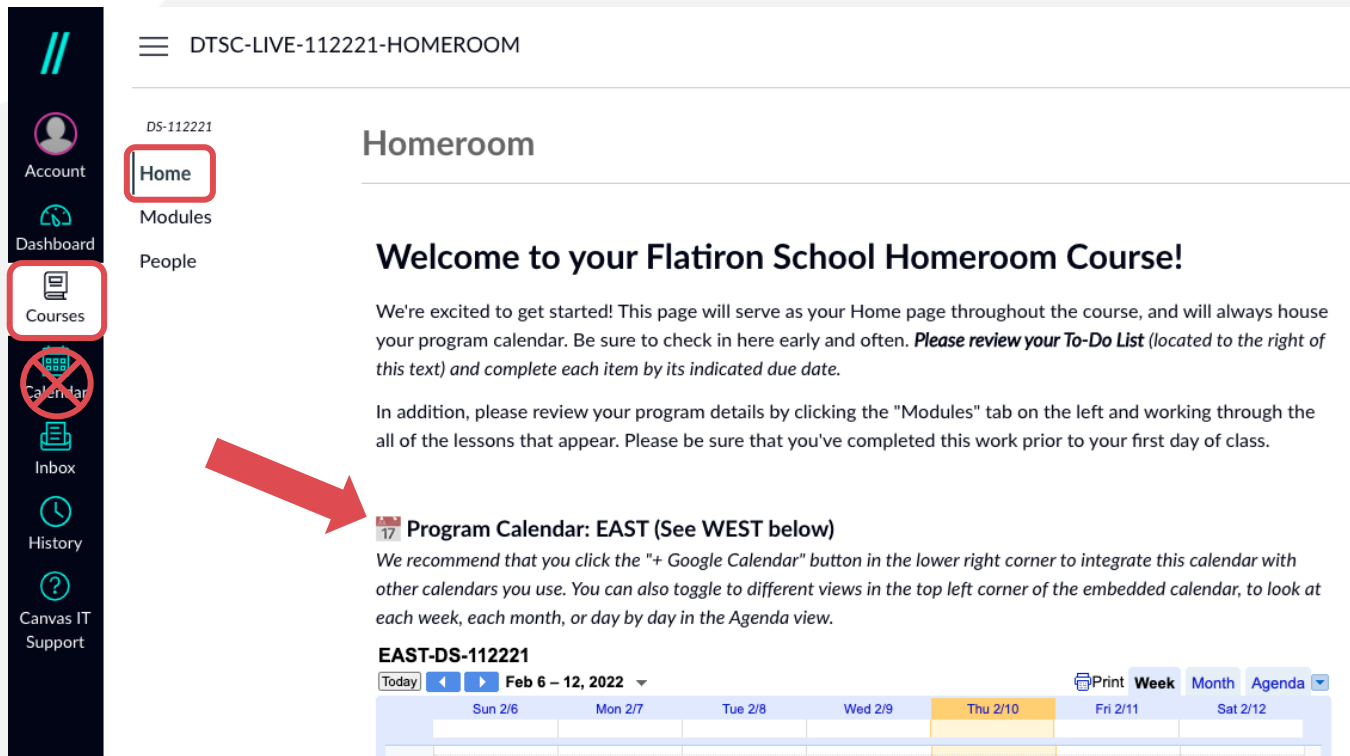
### Textbook and Workbook:

- Lessons
- Labs
- Quizzes (not graded!)

Plus: Access Illumidesk & Pair with a TC

# Homeroom

## Accessing the Calendar



The screenshot displays the Homeroom interface for course DTSC-LIVE-112221. On the left is a dark navigation sidebar with icons for Account, Dashboard, Courses, Calendar (crossed out), Inbox, History, and Canvas IT Support. The 'Home' link in the top left of the main content area is highlighted with a red box. The main content area has a header 'Homeroom' and a welcome message. Below the welcome message, the 'Program Calendar: EAST (See WEST below)' section is highlighted with a red arrow. This section includes a recommendation to click the '+ Google Calendar' button in the lower right corner of the embedded calendar. At the bottom, there is a calendar view for February 6 - 12, 2022, with tabs for Today, Print, Week, Month, and Agenda. The calendar shows a grid of dates from Sunday 2/6 to Saturday 2/12, with Thursday 2/10 highlighted in yellow.

DTSC-LIVE-112221-HOMEROOM

DS-112221

Home

Modules


People

## Homeroom

### Welcome to your Flatiron School Homeroom Course!




We're excited to get started! This page will serve as your Home page throughout the course, and will always house your program calendar. Be sure to check in here early and often. **Please review your To-Do List** (located to the right of this text) and complete each item by its indicated due date.



In addition, please review your program details by clicking the "Modules" tab on the left and working through the all of the lessons that appear. Please be sure that you've completed this work prior to your first day of class.

 **Program Calendar: EAST (See WEST below)**

We recommend that you click the "+ Google Calendar" button in the lower right corner to integrate this calendar with other calendars you use. You can also toggle to different views in the top left corner of the embedded calendar, to look at each week, each month, or day by day in the Agenda view.

**EAST-DS-112221**

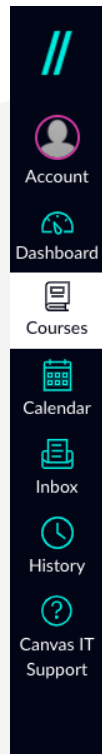
Today   **Feb 6 – 12, 2022** 

 Print **Week** Month Agenda 









Sun 2/6	Mon 2/7	Tue 2/8	Wed 2/9	Thu 2/10	Fri 2/11	Sat 2/12

# Phase Course

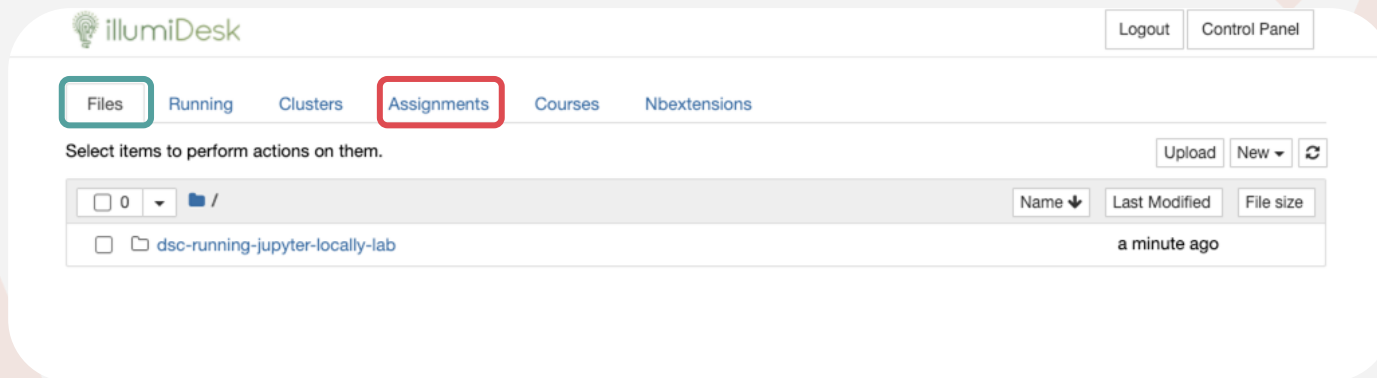
## Accessing IllumiDesk



Home  
Discussions  
Grades  
**IllumiDesk** 2  
Modules  
People  
Quizzes  
Assignments

▼ Topic 3: Data Analysis in Base Python		Prerequisites: Unlock Course	Complete All Items
	<a href="#">Topic 3 Lesson Priorities (Live)</a>		
	<a href="#">Data Analysis in Base Python - Introduction</a> Mark done		
	<a href="#">Python Data Manipulation Exit Ticket</a> 1 pts   Submit		
	<a href="#">Data Visualization Exit Ticket</a> 1 pts   Submit		
	<a href="#">File Input and Output in Python</a> 0 pts   Mark done		1
	<a href="#">CSV</a> 0 pts   Mark done		
	<a href="#">Quiz: Data Analysis with Base Python</a> 5 pts   Score at least 3.0		
	<a href="#">Data Analysis with CSVs Exit Ticket</a> 1 pts   Submit		

# Navigating IllumiDesk



## Files

Every Jupyter Notebook opened through an assignment link from Canvas lives in your **Files tab**, and will save your work

## Assignments

All of our Checkpoints and Code Challenges will be conducted in IllumiDesk, and you'll be able to access both the assessment and feedback through the **Assignments tab**.

# Accessing Labs

Every lesson and lab is stored on GitHub - it's also where you can find lab solutions!

We'll teach you how to easily download GitHub repositories soon - so, should you do labs locally or in IllumiDesk?

Short answer: **both!**  
Each method has their pros and cons.

## Advantages of Working Locally



- Practice using Git / GitHub → in-demand skills!
- Forking labs on GitHub contributes to a robust, 'green' commit history
- Content is more accessible after the program
- More 'real world'

## Advantages of Working on IllumiDesk



- Ease of use
- No environment issues
- Fully integrated into Canvas

# Assessment Details





# Weeks 1 & 2

## Blog Posts

MON 28	TUE 1	WED 2	THU 3	FRI 4
Blog post due!				
Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan
[Assessment] Data Serialization 9:30 – 10:30am	[Assessment] EDA with Pa 9:30 – 10:30am	[Assessment] Pandas Data 9:30 – 10:30am	Canvas Time, 9:30am	Canvas Time, 9:30am
[Lecture] Pandas DataFram 10:30am, Manhattan-2-Man	[Lecture] Pandas Data Clea 10:30am, Manhattan-2-Man	[Lecture] Descriptive Analy 10:30am, Manhattan-2-Man	[Lecture] SQL Joins and Ag 10am, Manhattan-2-Manha	[Assessment] Phase 1 Code Challenge 10 – 11:30am Manhattan-2-Manhattan - Turing (20)
Canvas Time, 11:30am	Canvas Time, 11:30am	Canvas Time, 11:30am	EAST-WEST & NYC-DS-022 11am, <a href="https://flatironschool.com">https://flatironschool.com</a>	Canvas Time, 11:30am
Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm
[Lecture] Data Visualizatio 1pm, Manhattan-2-Manhat	[Lecture] Aggregating and 1pm, Manhattan-2-Manhat	[Lecture] SQL Queries 1pm, Manhattan-2-Manhat	Phase 1 Review 1 – 2:30pm Manhattan-2-Manhattan - Turing (30)	[Lecture] SQL Subqueries a 1pm, Manhattan-2-Manhat
Break, 2pm	Break, 2pm	Break, 2pm	Break, 2:30pm	Break, 2pm
Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 3 – 5:30pm	Pair Programming/Canvas 2:30 – 3:30pm
Office Hours: Praveen 4:30 – 5:30pm			Office Hours: Joe 4:30 – 5:30pm	Project Intro 3:30 – 4:30pm
Stand Down, 5:30pm	Stand Down, 5:30pm	Stand Down, 5:30pm	Stand Down, 5:30pm	Feelings Friday 4:30 – 5:30pm
				Canvas Time, 5:30pm



# Blog Posts



Building a web presence demonstrating your data science chops is **essential** in the job search.

To help you do so, you will be required to write **4 blog posts**: 1 for each phase (except Capstone).

Blog posts will be due on **second Monday** of the phase.

We will **present** our blogs to each other during stand downs after the blog post due dates.

**That's right -  
first blog post  
is due next  
week!**

---

First blog post topic:

**Why did you decide to learn data science?**

Potential elements to include:

- Your past educational or career experience
- How you learned about data science
- Any particular data science-related projects that you find especially exciting
- How you chose Flatiron School
- What you're hoping to do with data science in the future

# Weeks 1 & 2

## Checkpoints

MON 28	TUE 1	WED 2	THU 3	FRI 4
Blog post due!				
Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan
[Assessment] Data Serialization 9:30 – 10:30am	[Assessment] EDA with Pa 9:30 – 10:30am	[Assessment] Pandas Data 9:30 – 10:30am	Canvas Time, 9:30am	Canvas Time, 9:30am
[Lecture] Pandas DataFram 10:30am, Manhattan-2-Ma	[Lecture] Pandas Data Clea 10:30am, Manhattan-2-Ma	[Lecture] Descriptive Analy 10:30am, Manhattan-2-Ma	[Lecture] SQL Joins and Ag 10am, Manhattan-2-Manha	[Assessment] Phase 1 Code Challenge 10 – 11:30am Manhattan-2-Manhattan - Turing (20)
Canvas Time, 11:30am	Canvas Time, 11:30am	Canvas Time, 11:30am	EAST-WEST & NYC-DS-022 11am, <a href="https://flatironschool.com">https://flatironschool.com</a>	Canvas Time, 11:30am
Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm
[Lecture] Data Visualizatio 1pm, Manhattan-2-Manhat	[Lecture] Aggregating and 1pm, Manhattan-2-Manhat	[Lecture] SQL Queries 1pm, Manhattan-2-Manhat	Phase 1 Review 1 – 2:30pm Manhattan-2-Manhattan - Turing (30)	[Lecture] SQL Subqueries a 1pm, Manhattan-2-Manhat
Break, 2pm	Break, 2pm	Break, 2pm	Break, 2:30pm	Break, 2pm
Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 3 – 5:30pm	Pair Programming/Canvas 2:30 – 3:30pm
Office Hours: Praveen 4:30 – 5:30pm			Office Hours: Joe 4:30 – 5:30pm	Project Intro 3:30 – 4:30pm
Stand Down, 5:30pm	Stand Down, 5:30pm	Stand Down, 5:30pm	Stand Down, 5:30pm	Feelings Friday 4:30 – 5:30pm
				Canvas Time, 5:30pm

# Checkpoints



Mini-assessments that occur about twice per week to check your understanding and key proficiencies.

You will have **30-45 minutes** to complete the checkpoint.

Checkpoints give you a chance to practice coding in a time-boxed session without the pressure - **these assessments are not used to judge whether you progress through the program!**

# Weeks 1 & 2

## Code Challenges


MON 28	TUE 1	WED 2	THU 3	FRI 4
Blog post due!				
Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan	Stand Up, 9am, Manhattan
[Assessment] Data Serialization 9:30 – 10:30am	[Assessment] EDA with Pa 9:30 – 10:30am	[Assessment] Pandas Data 9:30 – 10:30am	Canvas Time, 9:30am	Canvas Time, 9:30am
[Lecture] Pandas DataFram 10:30am, Manhattan-2-Manhat	[Lecture] Pandas Data Clea 10:30am, Manhattan-2-Manhat	[Lecture] Descriptive Analy 10:30am, Manhattan-2-Manhat	[Lecture] SQL Joins and Ag 10am, Manhattan-2-Manhat	[Assessment] Phase 1 Code Challenge 10 – 11:30am Manhattan-2-Manhattan - Turing (20)
Canvas Time, 11:30am	Canvas Time, 11:30am	Canvas Time, 11:30am	EAST-WEST & NYC-DS-022 11am, <a href="https://flatironschool.com">https://flatironschool.com</a>	Canvas Time, 11:30am
Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm	Lunch 12 – 1pm
[Lecture] Data Visualization 1pm, Manhattan-2-Manhat	[Lecture] Aggregating and 1pm, Manhattan-2-Manhat	[Lecture] SQL Queries 1pm, Manhattan-2-Manhat	Phase 1 Review 1 – 2:30pm Manhattan-2-Manhattan - Turing (30)	[Lecture] SQL Subqueries a 1pm, Manhattan-2-Manhat
Break, 2pm	Break, 2pm	Break, 2pm	Break, 2:30pm	Break, 2pm
Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 2:30 – 5:30pm	Pair Programming/Canvas Time 3 – 5:30pm	Pair Programming/Canvas 2:30 – 3:30pm
Office Hours: Praveen 4:30 – 5:30pm			Office Hours: Joe 4:30 – 5:30pm	Project Intro 3:30 – 4:30pm
Stand Down, 5:30pm	Stand Down, 5:30pm	Stand Down, 5:30pm	Stand Down, 5:30pm	Feelings Friday 4:30 – 5:30pm
				Canvas Time, 5:30pm

This will feel just like the checkpoints, but you will have **1 hour 30 minutes** to complete the code challenge.

This is one place where no collaboration is allowed. We encourage you to ask instructors questions, but these are **your own work**.



# Graded Assignment Protocol

- Assessments are **open book**  
(ok to reference labs, lectures, and Google)
  - **No copy and pasting** code
  - **No screen sharing or messaging** with peers  
during assignments
  - **Exit break out room** after submission
- 

# Evaluating Student Progress

In order to advance through the program, we need to know that you have **mastered the essentials**.

If you do not pass the code challenge, you will have the opportunity to demonstrate your readiness to move on through the completion of a graded, solo project.

The final pass/not pass assessment happens at the end of each phase.



# Week 3

## Project Week

MON 7	TUE 8	WED 9	THU 10	FRI 11
Stand Up, 9am, Manhattan [Assessment] SQL Checkp 9:30 – 10:30am [Lecture] Web Scraping 10:30am, Manhattan-2-Ma Canvas, 11:30am Lunch 12 – 1pm [Lecture] APIs 1pm, Manhattan-2-Manhat Pair programming/Canvas time 2 – 4pm Project Time 4 – 5:30pm Office Hours 4:30 – 5:30p Stand Down, 5:30pm	Project Time 9am – 12pm Stand Up, 9a Lunch 12 – 1pm Project Time 1 – 5:30pm Stand Down, 5:30pm	Project Time 9am – 12pm Stand Up, 9a Lunch 12 – 1pm Project Time 1 – 5:30pm Office Hours: Joe 4:30 – 5:30pm Stand Down, 5:30pm	Project Time 9am – 12pm Stand Up, 9a Lunch 12 – 1pm Project Dress Rehearsals 1 – 4pm Project Time 4 – 5:30pm Stand Down, 5:30pm	Project Time 9am – 12pm Stand Up, 9a Lunch 12 – 1pm [Assessment] Phase 1 Project 1 – 3:30pm Wrap up Project Time 3:30 – 4:30pm Feelings Friday 4:30 – 5:30pm Stand down, 5:30pm

# Projects



Either solo or in groups, you will **tackle real problems** to develop portfolio-ready projects you can showcase to potential employers.

Your project will consist of both **technical** and **non-technical deliverables**.

**Project presentations** are a chance to gain experience presenting your findings to a non-technical audience.

The requirements for each project will be outlined in the rubric, which we will go over during the project launch.

# Setting Yourself Up for Success



# Personal Empowerment Protocol

This is an important framework in general for debugging / working through problems.

Reading errors, looking up problems, and collaborating with peers are **essential skills**.

Get practice with them before asking us!

## PERSONAL EMPOWERMENT PROTOCOL



1. READ THE ERROR
2. GOOGLE THE PROBLEM
3. ASK A NEIGHBOR
4. ASK A TEACHER

# Giving Feedback:

## C - A - S - K



### Consensual

If someone isn't in a good space to receive feedback, it won't stick and it won't help.

### Actionable

Outline ways to change or act on the feedback, instead of saying something vague like "this is bad".

### Specific

Give examples when you can, to anchor your feedback in a real way to the experience you had which prompted the feedback.

### Kind

The goal is to help someone improve, not to belittle others.

The background is a dark navy blue. On the left side, there are several geometric shapes: a dark blue square, a dark blue rectangle, and a dark blue triangle. A red triangle is positioned at the bottom right of the dark blue shapes. The text "Any Questions?" is written in a white, serif font, centered horizontally.

*Any Questions?*