



# Innovative & Effective Data-driven Decision Making in Academic Support

Learning Commons, Academic Support Center  
Queens College, City University of New York

QC Inaugural Assessment Showcase  
Friday, December 5, 2024

 **QUEENS** | Learning Commons  
**COLLEGE**

**CUNY**

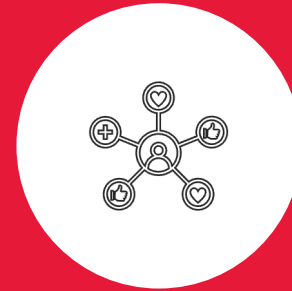
# Today's Focus



What Is Learning  
Commons?

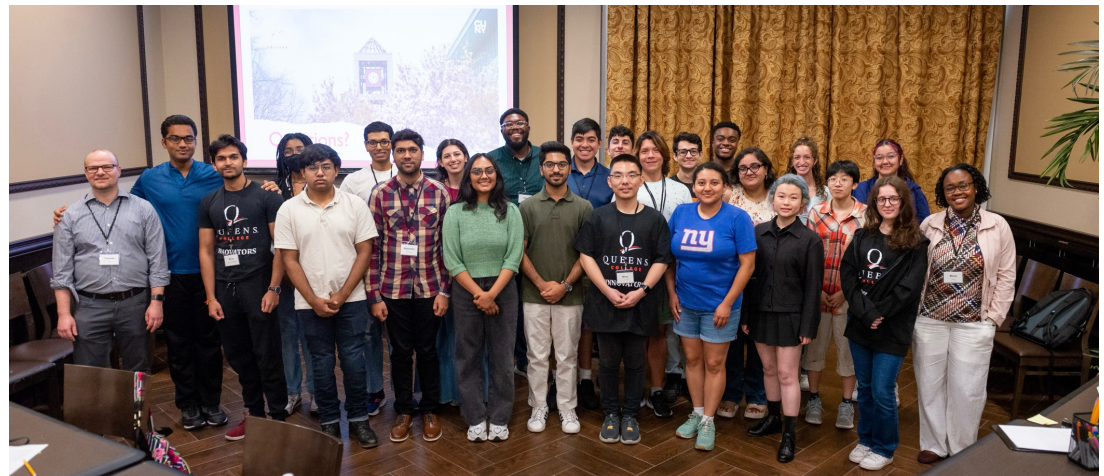


Service Offerings +  
Data Insights



Interactive Visualization  
Via Power BI

# QC Learning Commons - Staff and Tutors!





## QC Learning Commons – Service Offerings

- Peer Tutoring
- Workshops
- Bootcamps
- Practice Sessions (Recitations)
- Study Spaces
- Printing & Charging
- More

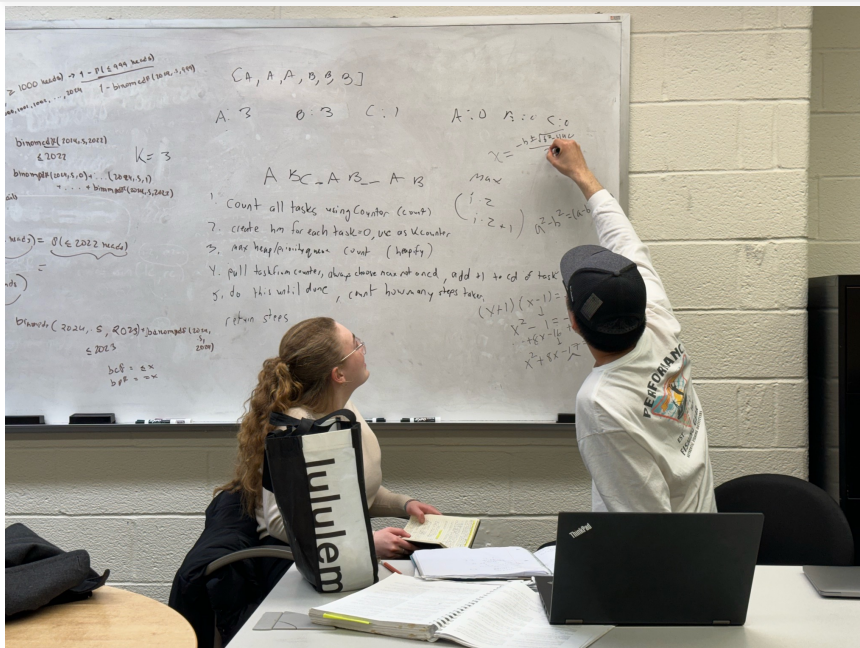
# QC Learning Commons – Study Spaces, Printing & Charging

Kiely 131 and Kiely 144



# QC Learning Commons - Peer Tutoring

Kiely 131 and Kiely 144



# QC Learning Commons - Peer Tutoring

Kiely 131 and Kiely 144

## Multiple Modes of Support

- All tutors are in person.
- Tutees can make appointments, or they can walk-in.
- Tutees have the option to see a tutor in-person or online



# QC Learning Commons - Peer Tutoring

Kiely 131 and Kiely 144



Tutoring is provided in a variety of courses:

- Computer Science
- Math (*Supplemental to Math Department Lab*)
- Psychology
- Economics
- [Full list on the website](#)



# QC Learning Commons - Peer Tutoring

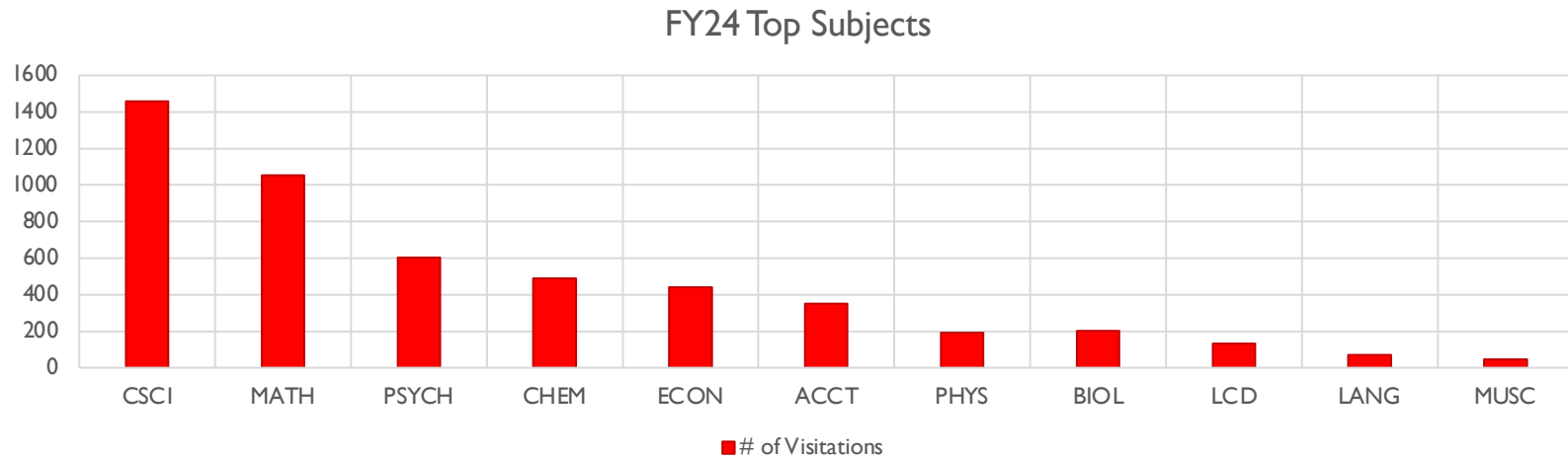
Kiely 131 and Kiely 144

Tutors often help with the following:

- Support coursework
- Model effective study strategies and skills to being a successful student
- Guide students to academic resources to supplement their learning
- Promote on-campus resources (Other tutoring, office hours, etc.)



# Tutoring Data Sample



## Impact on Key Courses

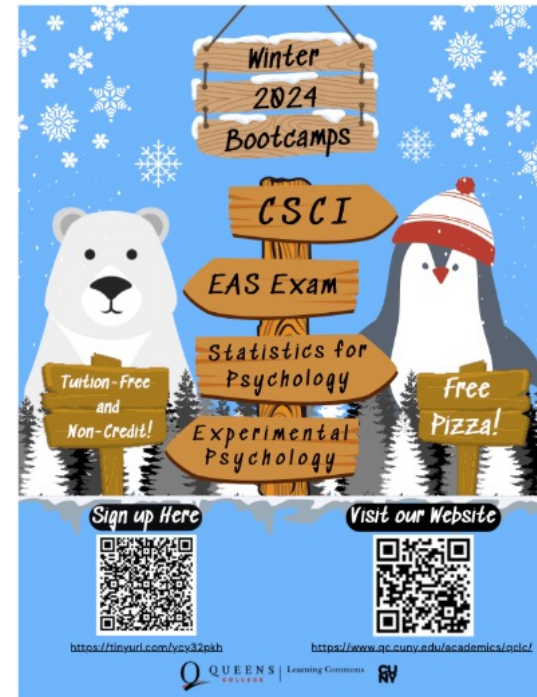
We focused on a course within each of the top 3 subjects—CSCI 111, MATH 122, and PSYCH 107

We found that students who utilized the Learning Commons for tutoring achieved higher final grades compared to those who did not attend.

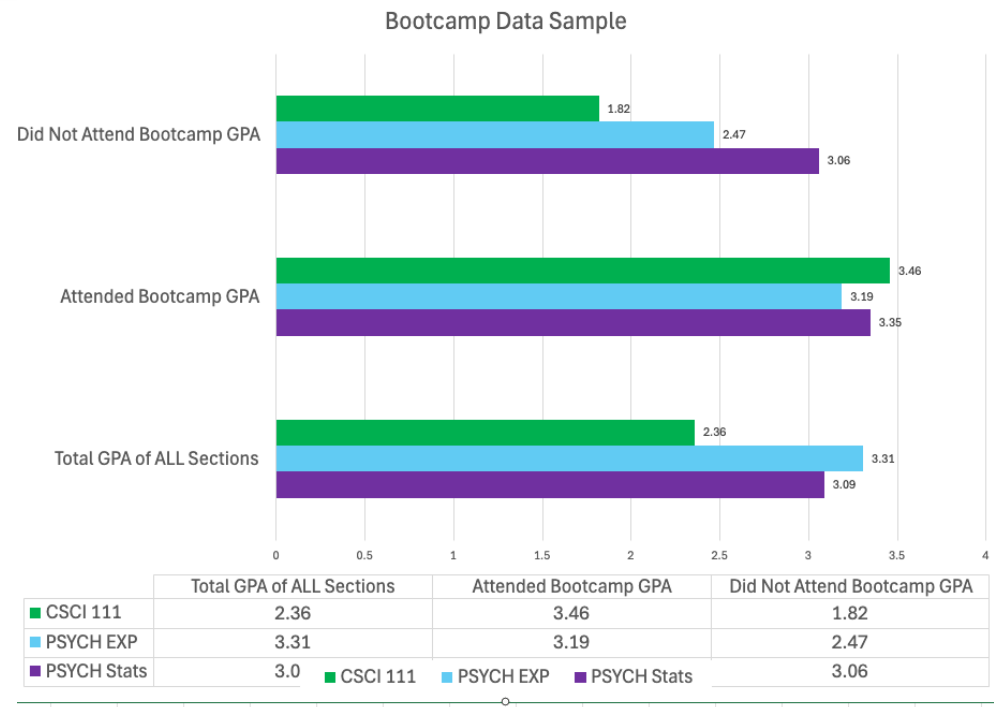
# QC Learning Commons - Bootcamps

## Intensive 4-8 Day Bootcamps During Summer and Winter Sessions

- Gives Students a Head Start on Coursework
- Collaborative Effort Between Academic Departments and QCLC
- Data Supports Continuation of Select Bootcamps



# Bootcamp Data Sample (Winter 2024)



# QC Learning Commons - Other Collaborations

## One-Off Workshops




- Working together academic departments, instructors, and students for hands-on, interactive sessions.

**QUEENS COLLEGE**  
Learning Commons

Series

**Problem-Solving Techniques in Physics**  
For students in PHYS 121 and PHYS 145  
with Dr. David Goldberg

<b>Mondays (Hybrid):</b> Nov. 7th, 14th, 21st, 28th; Dec. 5th & 12th 12:15 - 1:15 p.m. @ SB C201 & Zoom	<b>Thursdays (Online)</b> Nov. 3rd, 10th, 17th Dec. 1st, 8th 12:00 - 1:00 p.m. on Zoom
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Meeting ID: 839 9871 8100 Passcode: 627427


**COOL**

**Factoring Trinomials**  
with  
Seth Lehman

Factoring trinomials is a fundamental skill in Math 85, many math problems require factoring or the factoring process. Improve your ability to quickly factor trinomials of different types through this one-hour workshop.

**Date & Time: Wednesday 10/12**  
12:15-1:15 p.m. @ Kiely 334

$2h = 5e - y$   
 $8y = 9 - 4z$   
 $9z + 24w = 4du$   
 $3m = at + 7k$




**Operations with Rational Expressions**  
with Seth Lehman

$$\frac{x}{a} + \frac{y}{b} = 1$$

Fractions make us nervous, even more so when variables are added to the mix! Review the basic concepts of fractions and practice simplifying, adding, multiplying, and dividing rational expressions through this one-hour workshop.

**Date & Time: Wednesday 10/26**  
12:15-1:15 p.m. @ Kiely 334



**QUEENS COLLEGE** Learning Commons

**CSCI: Recursion Workshop**

- The purpose of this workshop is to solidify students' understanding and appreciation of recursion as a problem-solving technique.
- Recursion is a useful tool that can be applied almost anywhere as it helps break down smaller problems into problems that are more manageable.

This topic is found in many Computer Science and Mathematics courses. Recommended for students currently enrolled in MATH 120, CSCI 111, 211, 212.

Seats are limited! Registration is on a first come first serve basis.  
Contact L.Commons@qc.cuny.edu for questions or concerns.





# QC Learning Commons - Other Collaborations

## 1. Math Recitations:

Weekly one-hour practice sessions to boost success in high-fail-rate courses!

## 2. Computer Science:

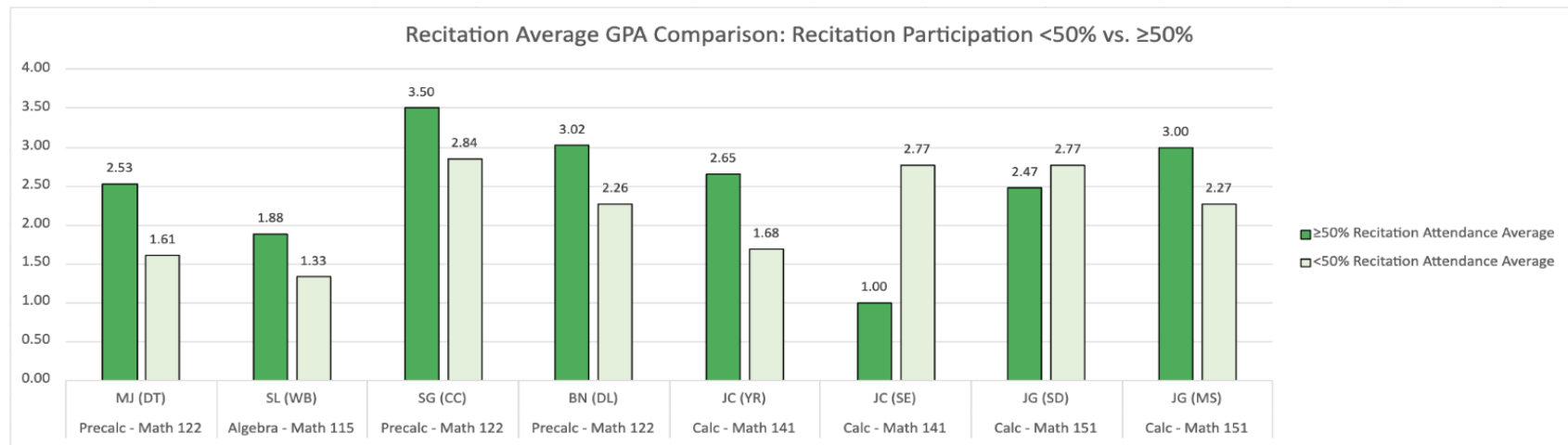
Peer-led Zoom reviews—recorded, posted, and packed with positive feedback and views!

## 3. Psychology & Physics:

Extra support sessions led by faculty, tackling tough course material head-on!



# Math Recitation Data (Fall 2023)



## Recitation Attendance and GPA Correlation

- Data revealed a significant correlation between recitation attendance (50% or more) and higher GPA averages.
- Recitations are voluntary and self-selected, promoted by instructors.
- Led by another instructor from the department, these sessions provide practice without direct grade impact.



## Math Recitation Instructor Feedback

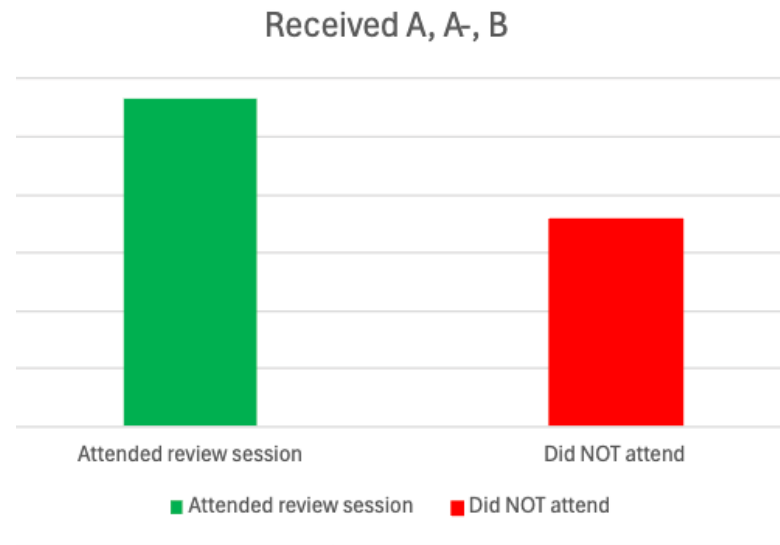
- *“Students appreciate working at a slower pace compared to a class lecture”*
- *“I enjoyed being able to work with students and solve problems together”*
- *“The recitation grants us a chance to provide a more personalized level of instruction for students.”*
- *“It's a different dynamic with the students when you're not directly responsible for their grade.”*
  
- **FUTURE GOAL: Consider models which quantify feedback (Using AI)**



# CSCI Peer Review Session Data (Fall 2023)

## Received an A, A-, B

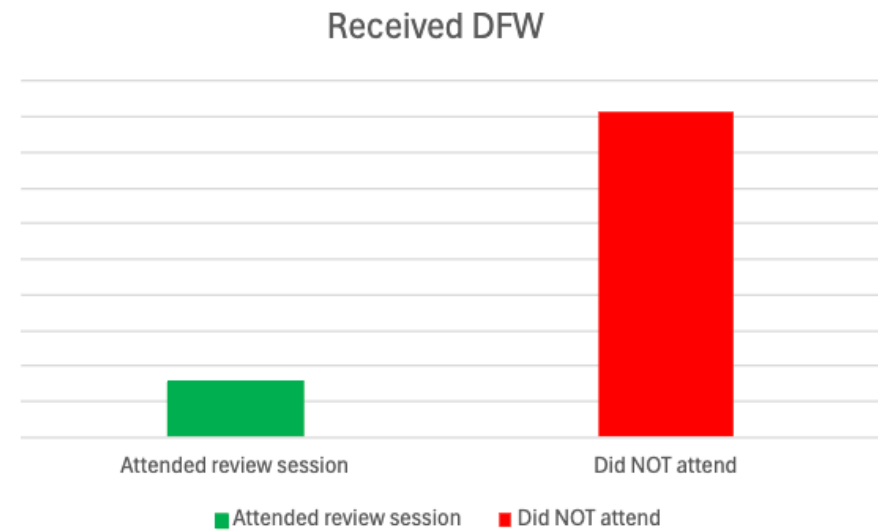
- 56.32% of students who attended review sessions received A, A-, B
- 35.93% of the general population received A, A-, B



# CSCI Peer Review Session Data (Fall 2023)

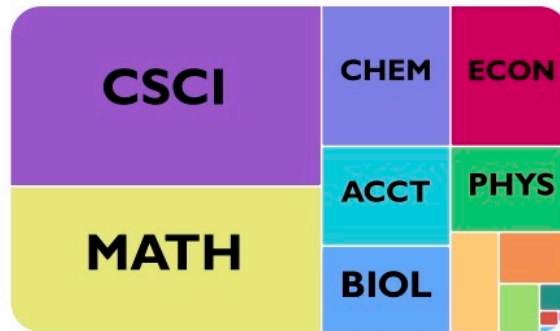
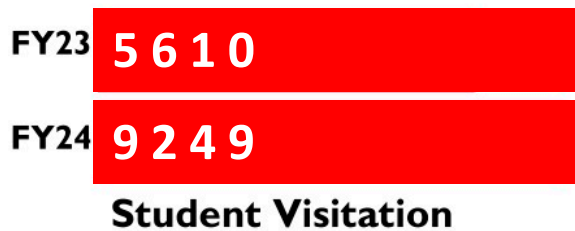
## DFW Rate

- 7.84% DFW rate for those who attended review sessions
- 45.73% DFW rate for the general population



# QC Learning Commons FY23-24 Stats

Tutoring, Recitation, Workshop, Bootcamp, Study Space



**64**

Peer Tutors Available

**81**

Courses Supported

**+0.57**

Average GPA Improvement After MATH Recitation

Learn More





## QUESTIONS?

Visit or Email  
Anytime

Kiely Hall: 131,144, 237

[LCommons@qc.cuny.edu](mailto:LCommons@qc.cuny.edu)

[https://www.qc.cuny.edu/  
academics/qclc/](https://www.qc.cuny.edu/academics/qclc/)

# QC Learning Commons - DATA Collection and Display

- Student Check In FORM link:
  - <https://forms.office.com/r/TasHd36Wqd>
- Back End of FORM link:
  - [https://cuny907.sharepoint.com/:x:/r/sites/FrontDesk/Shared%20Documents/General/FA24/FA24%20KY131\\_144%20Check-In%20Form.xlsx?d=wd822ae9b02f341cbb2993fa044f538e3&csf=1&web=1&e=KLJDDk](https://cuny907.sharepoint.com/:x:/r/sites/FrontDesk/Shared%20Documents/General/FA24/FA24%20KY131_144%20Check-In%20Form.xlsx?d=wd822ae9b02f341cbb2993fa044f538e3&csf=1&web=1&e=KLJDDk)
- Power BI link:
  - [https://app.powerbi.com/links/BSe1DPkeCm?ctid=6f60f0b3-5f06-4e09-9715-989dba8cc7d8&pbi\\_source=linkShare&bookmarkGuid=e6d130d2-3a77-4e73-98e6-c5f69b5a1e3d](https://app.powerbi.com/links/BSe1DPkeCm?ctid=6f60f0b3-5f06-4e09-9715-989dba8cc7d8&pbi_source=linkShare&bookmarkGuid=e6d130d2-3a77-4e73-98e6-c5f69b5a1e3d)