Agenda

1. Survey Design and Analysis

2. Overview

3. Academics

4. Professional Development

5. Health and Safety

6. Student Life

7. Facilities

8. Panel Q&A

Survey Design & Analysis

Survey Design

- Open from March 23 - April 6

- Comprised of 110 Questions
  - Mixture of Multiple Choice and Comment Boxes
  - Likert Scale (1-5) → Strongly Disagree to Strongly Agree

- Logic-based coding and fewer mandatory questions to shorten survey experience

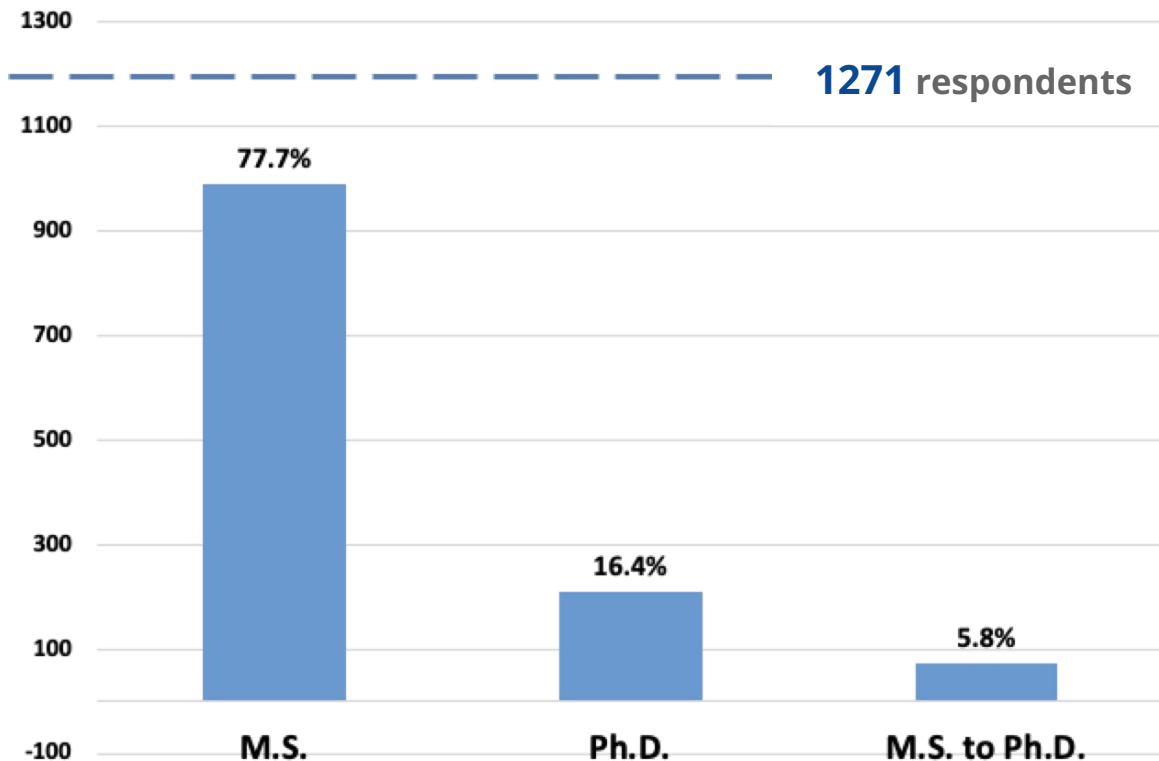- Completion Prizes and Raffle Prizes offered as incentive to participants
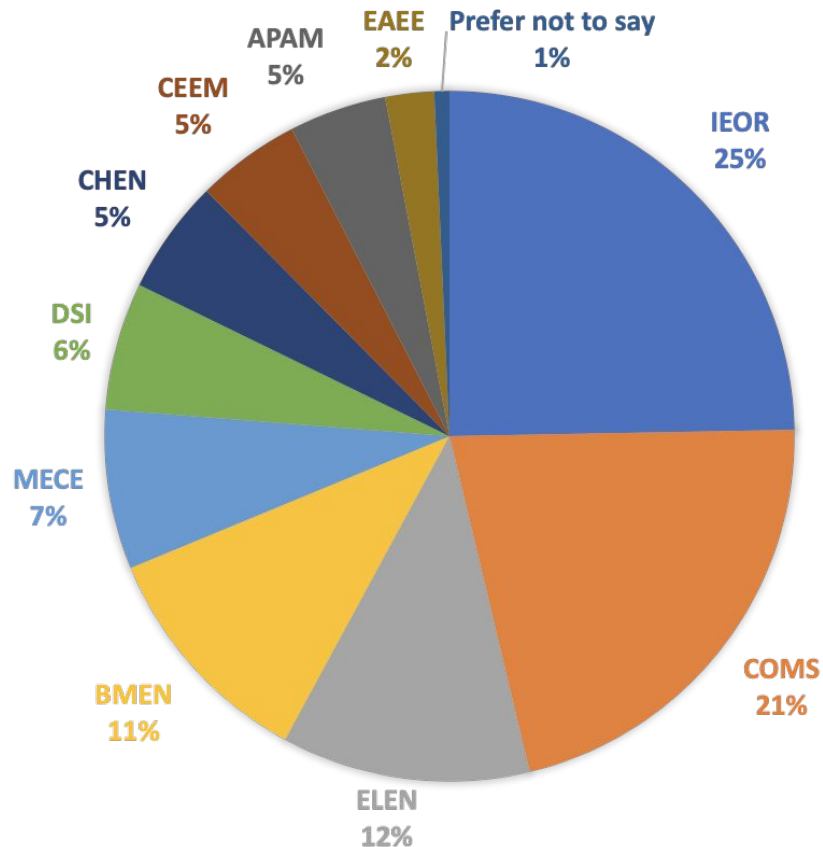
Overview

Survey Participation

33% Response Rate

	2019	2022
Student Body Size	2,681	4,023
% MS Students	70%	79%
% PhD Students	22%	20%

1271 respondents

- M.S.: 77.7%
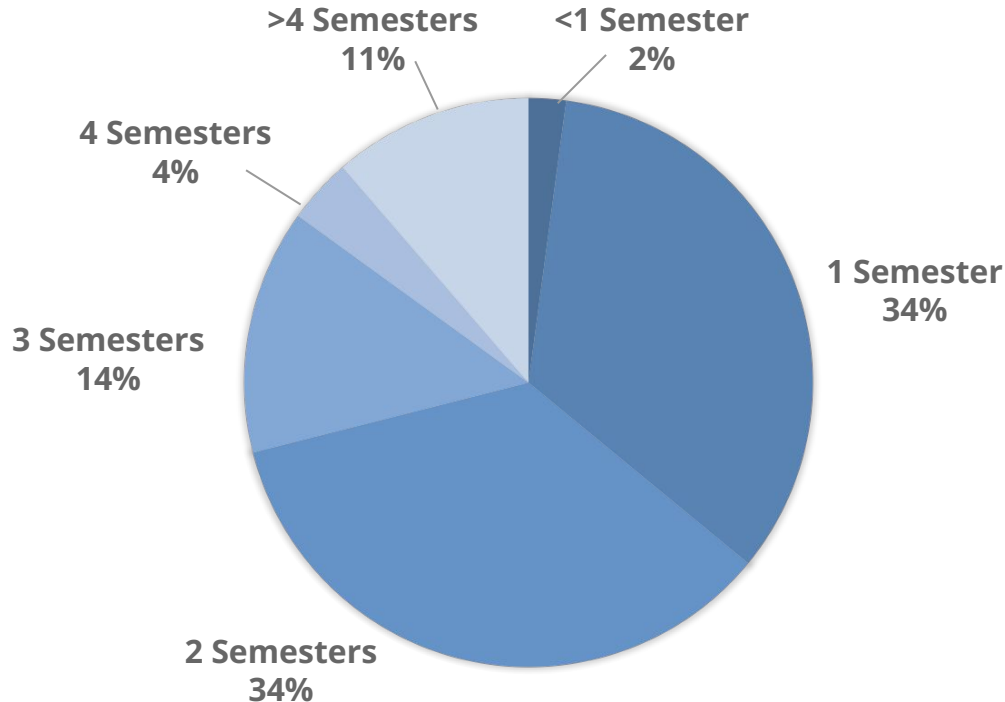- Ph.D.: 16.4%
- M.S. to Ph.D.: 5.8%

Participation by Department

We observe a response breakdown that closely resembles the true SEAS population
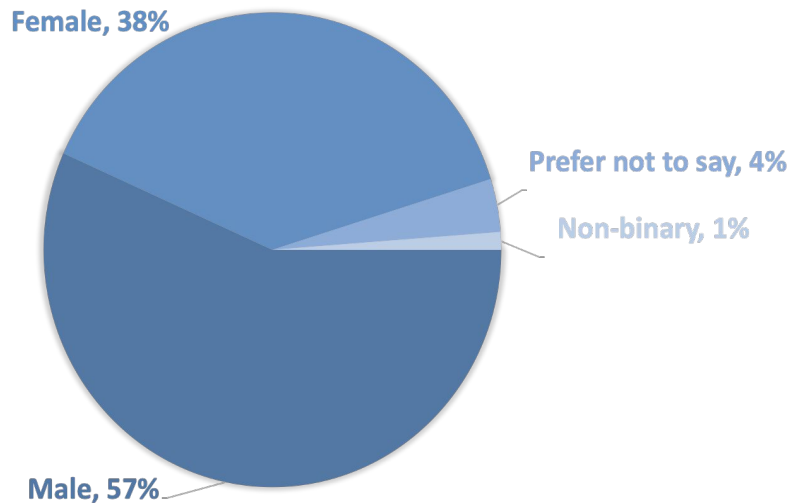
Participation by Semesters at Columbia

# of Semesters Enrolled
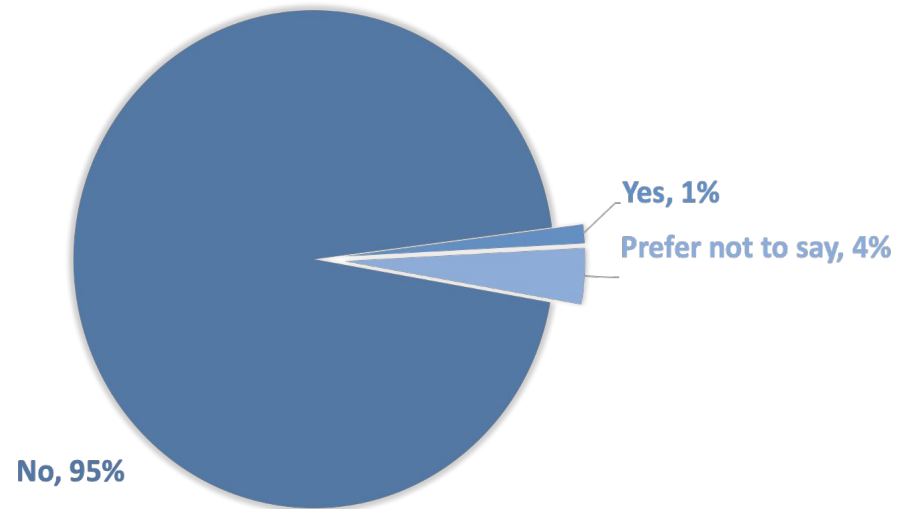

Over **70%** of respondents have been enrolled at Columbia for 2 semesters or less
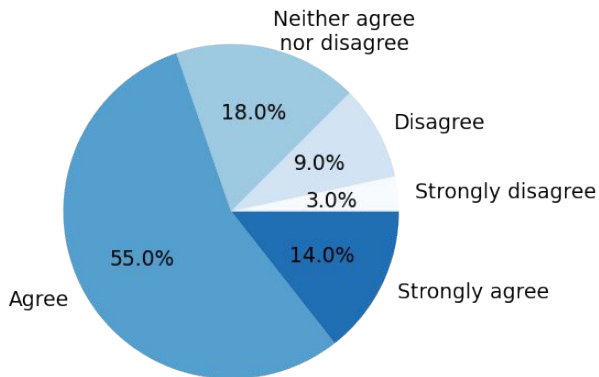
Participation by Identity

Gender

Female, 38%
Prefer not to say, 4%
Non-binary, 1%
Male, 57%

LGBTQ+

Yes, 1%
Prefer not to say, 4%
No, 95%

Overall Satisfaction by Degree

Ph.D.

Neither agree nor disagree 18.0%

Disagree 9.0%

Strongly disagree 3.0%

Strongly agree 14.0%

Agree 55.0%

M.S. to Ph.D.

Neither agree nor disagree 17.0%

Disagree 10.0%

Strongly disagree 3.0%

Strongly agree 14.0%

Agree 57.0%

M.S.

Neither agree nor disagree 16.0%

Disagree 9.0%

Strongly agree 16.0%

Agree 58.0%
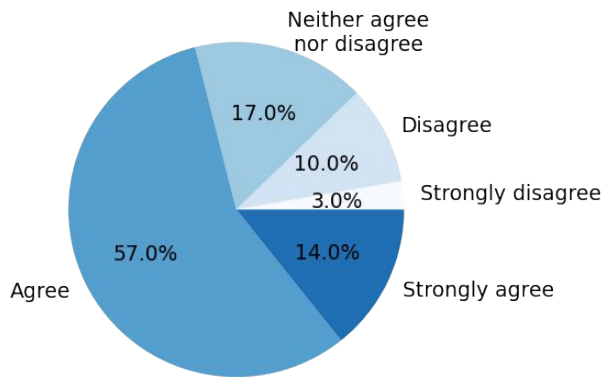
69%   **71%**   **74%**

Master Students are the **most satisfied** with their Columbia Experience than those currently in or working towards the Ph.D. program.

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Importance vs. Satisfaction

Satisfaction by Gender

Satisfaction by Department
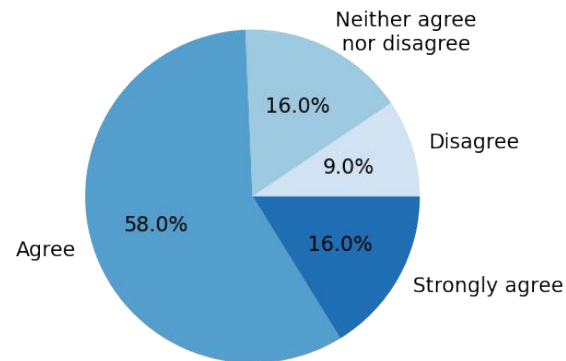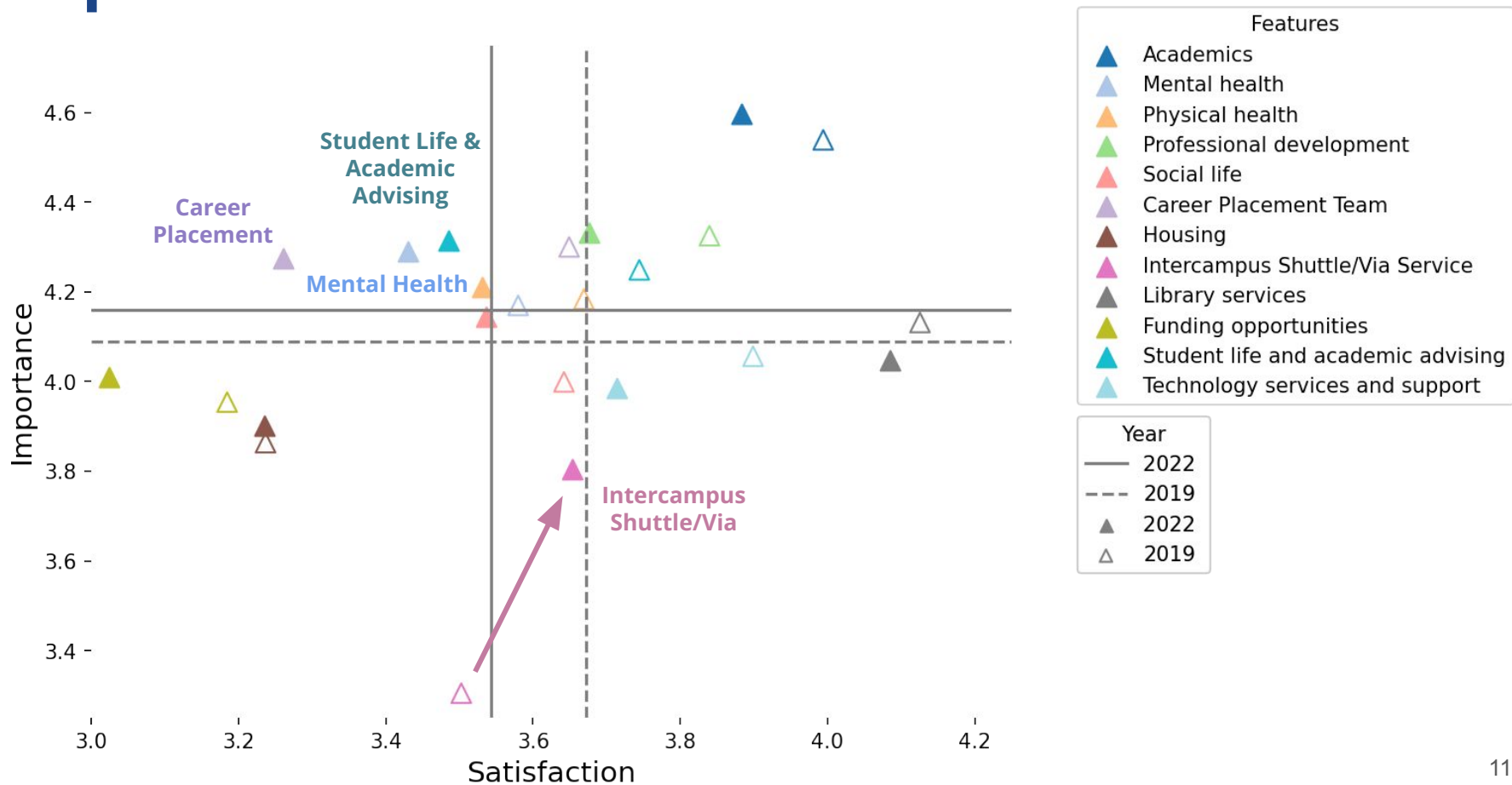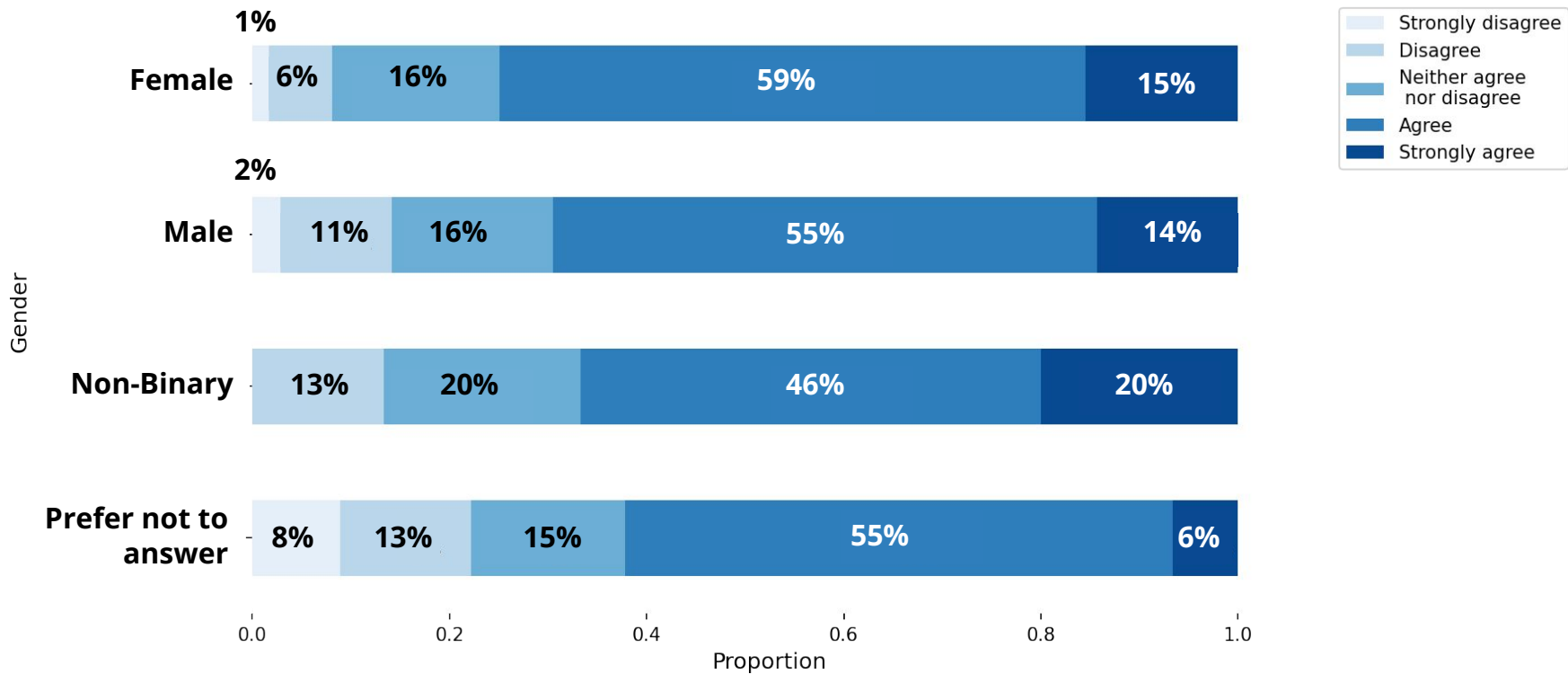
CHEN	1% 4% 12% 59% 24%	83%
CEEM	3% 5% 13% 58% 21%	79%
MECE	1% 7% 17% 62% 13%	75%
APAM	3% 9% 14% 64% 10%	74%
BMEN	4% 7% 16% 58% 16%	74%
ELEN	3% 7% 19% 53% 18%	71%
IEOR	2% 11% 18% 57% 13%	70%
MSDS	4% 13% 13% 61% 9%	70%
COMS	3% 12% 19% 55% 12%	67%
EAEE	7% 17% 17% 41% 17%	58%
Prefer not to Answer	22% 22% 33% 22%	55%

Legend: Strongly disagree, Disagree, Neither agree nor disagree, Agree, Strongly agree

Proportion (x-axis: 0.0, 0.2, 0.4, 0.6, 0.8, 1.0)
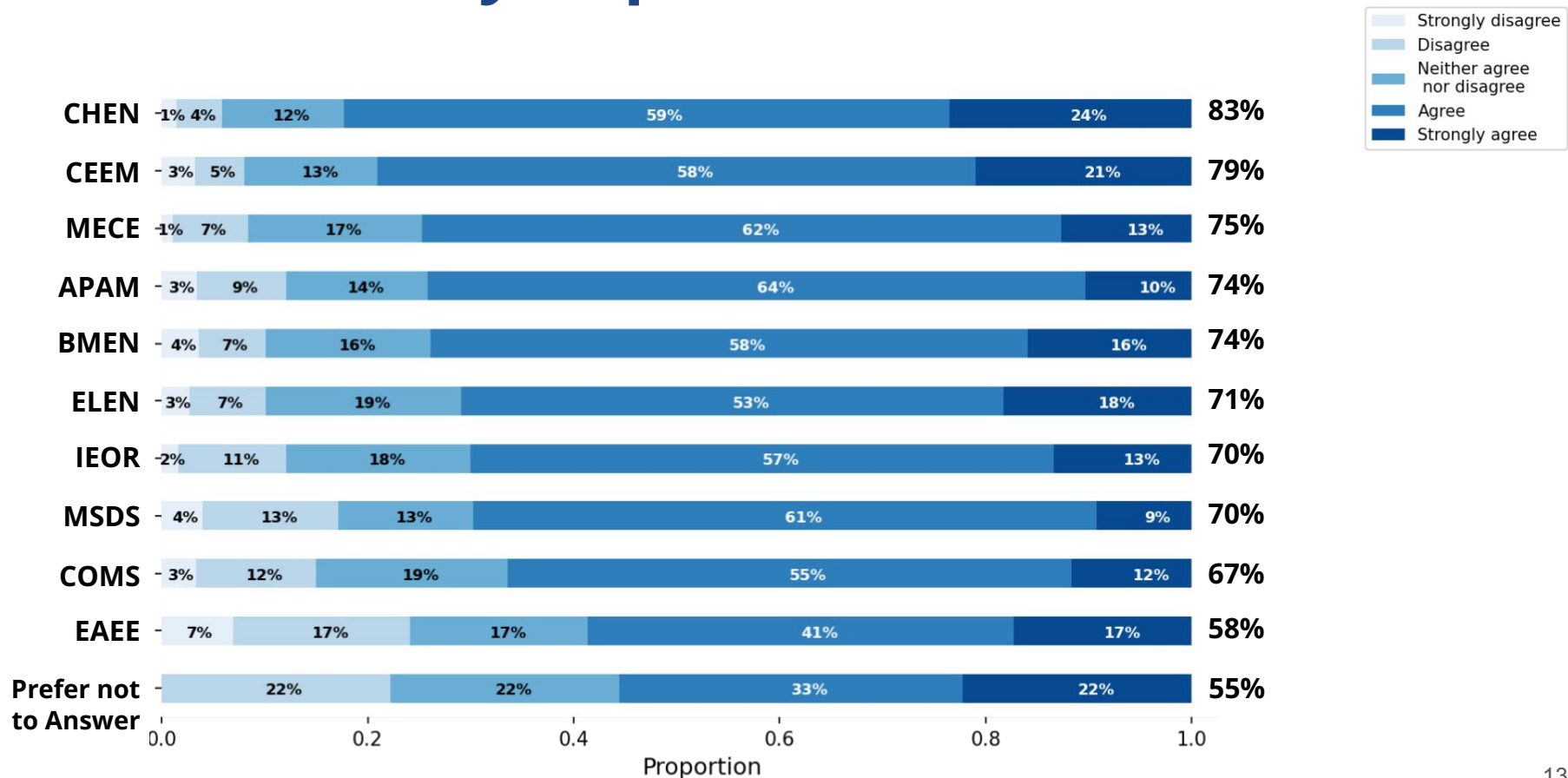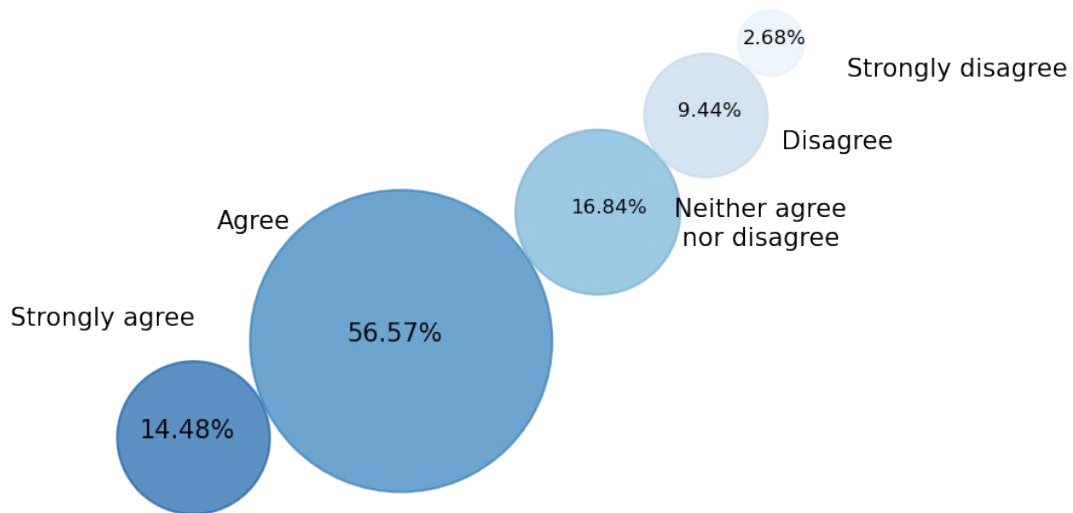
Overall Satisfaction

Over **71%*** of students report being satisfied with their experience at Columbia

Average Likert Score

	2018	**2019**	**2022**
M.S	3.82	3.86	3.70
Doctoral	3.87	3.81	3.68

Strongly disagree

2.68%

Disagree

9.44%

Neither agree nor disagree

16.84%

Agree
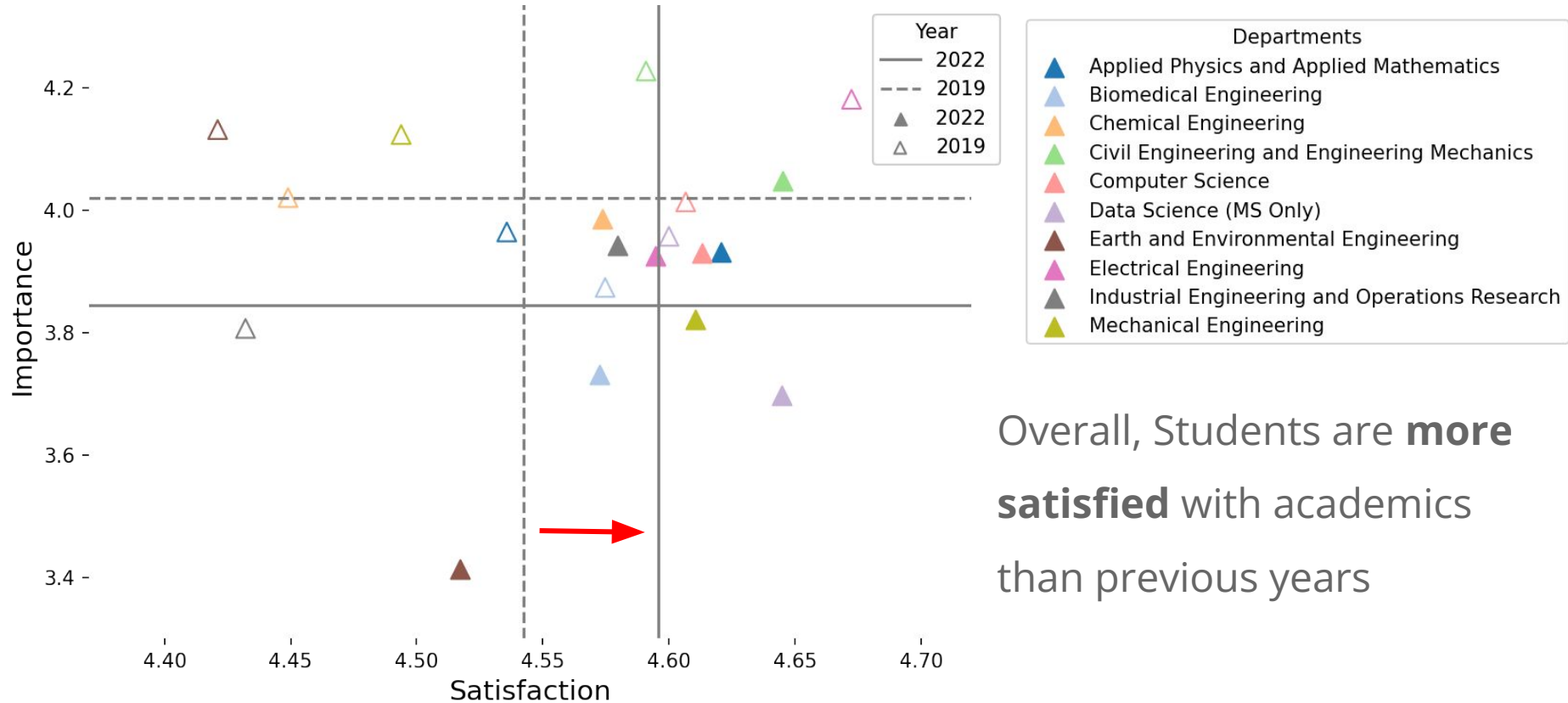
56.57%

Strongly agree

14.48%

*78% in 2019
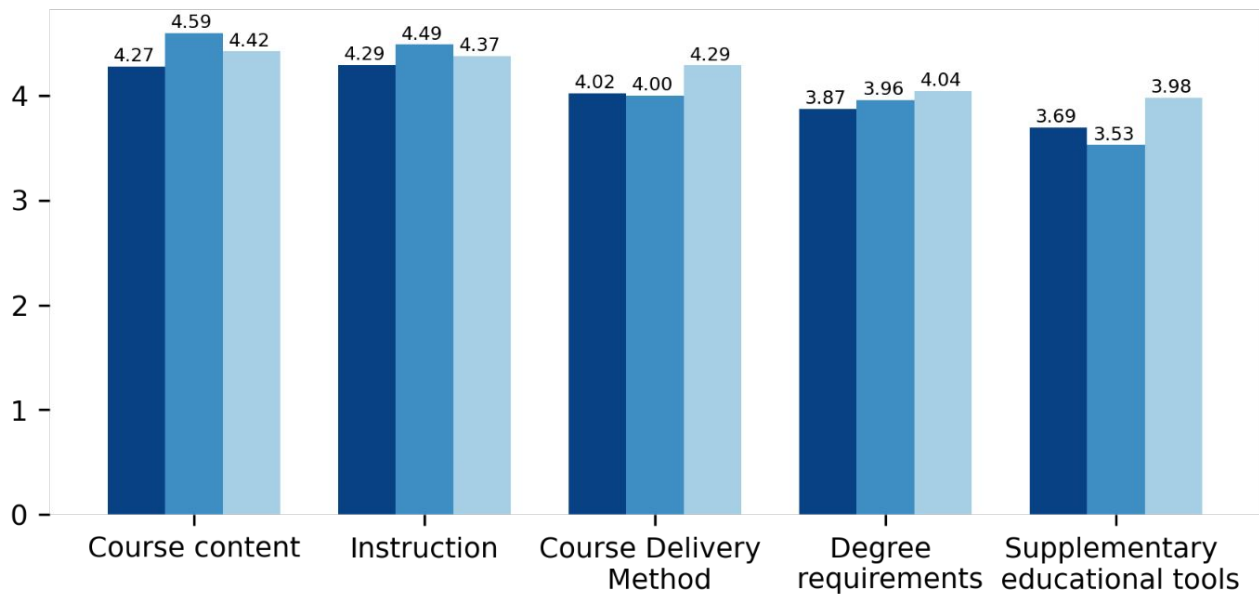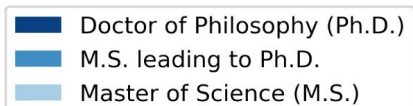
Academics

Degree Programs

Academic Importance vs. Satisfaction

Overall, Students are **more satisfied** with academics than previous years
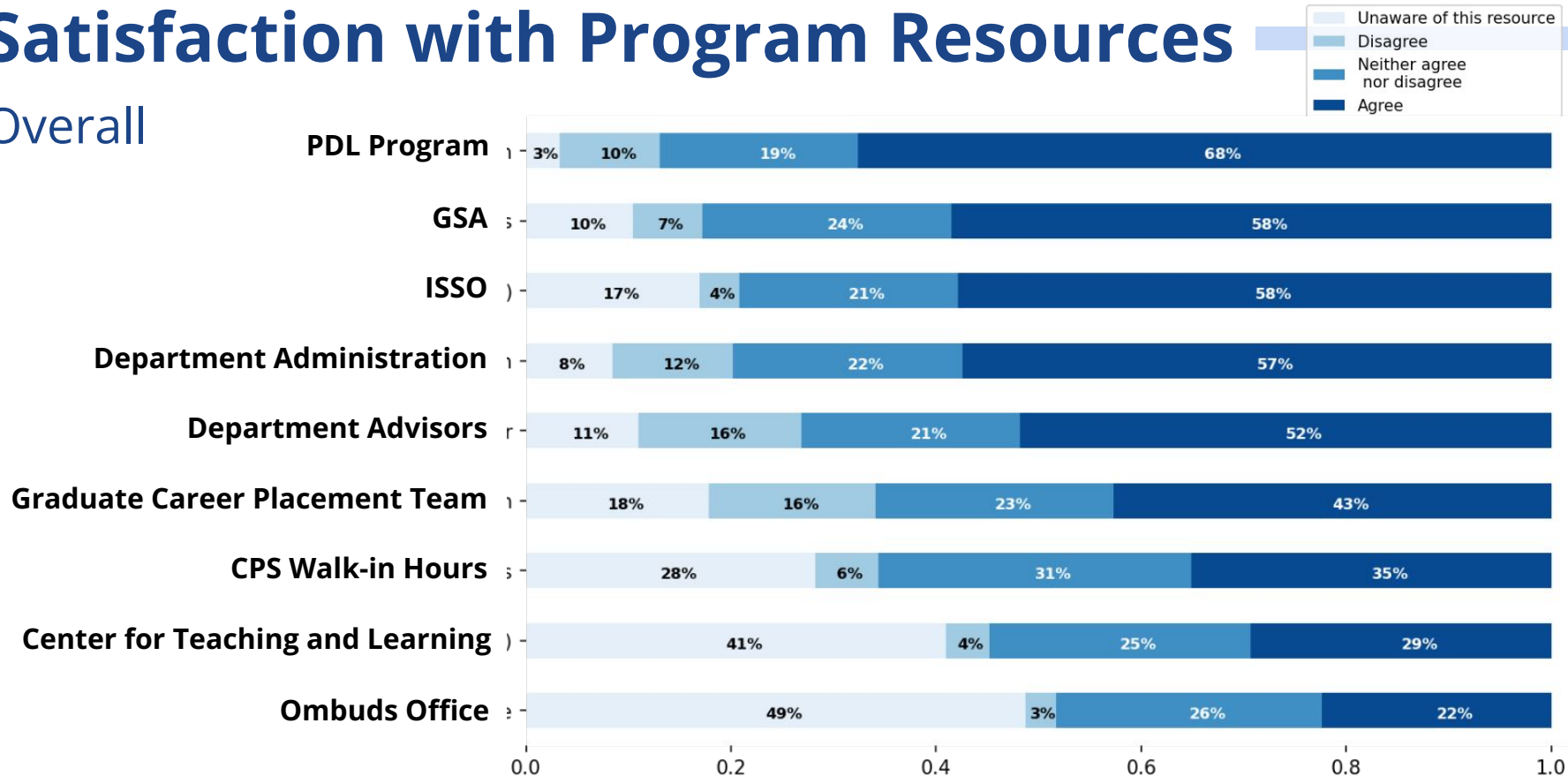
Importance of Academic Features

Most Important Features Overall

1. Course Content (4.41)
2. Instruction (4.37)
3. Course Delivery Method (4.23)

Satisfaction with Program Resources

Overall

Legend:
- Unaware of this resource
- Disagree
- Neither agree nor disagree
- Agree

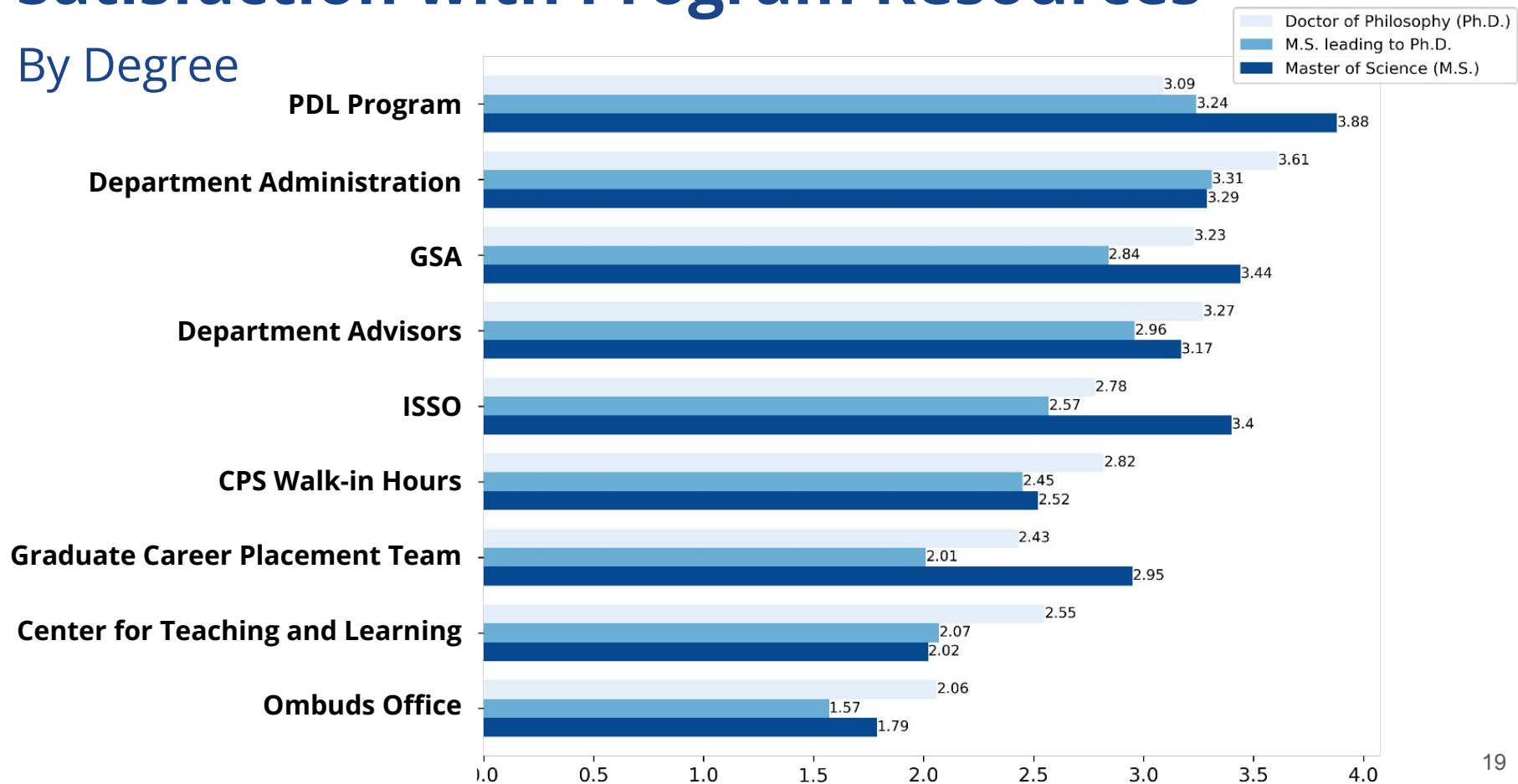| Resource	Unaware	Disagree	Neither	Agree
PDL Program	3%	10%	19%	68%
GSA	10%	7%	24%	58%
ISSO	17%	4%	21%	58%
Department Administration	8%	12%	22%	57%
Department Advisors	11%	16%	21%	52%
Graduate Career Placement Team	18%	16%	23%	43%
CPS Walk-in Hours	28%	6%	31%	35%
Center for Teaching and Learning	41%	4%	25%	29%
Ombuds Office	49%	3%	26%	22%

Of all resources, **PDL** had the highest overall satisfaction rate of **68%**

Satisfaction with Program Resources

By Degree

Legend:
- Doctor of Philosophy (Ph.D.)
- M.S. leading to Ph.D.
- Master of Science (M.S.)

| Resource	Doctor of Philosophy (Ph.D.)	M.S. leading to Ph.D.	Master of Science (M.S.)
PDL Program	3.09	3.24	3.88
Department Administration	3.61	3.31	3.29
GSA	3.23	2.84	3.44
Department Advisors	3.27	2.96	3.17
ISSO	2.78	2.57	3.4
CPS Walk-in Hours	2.82	2.45	2.52
Graduate Career Placement Team	2.43	2.01	2.95
Center for Teaching and Learning	2.55	2.07	2.02
Ombuds Office	2.06	1.57	1.79

Satisfaction with Teaching Quality

By Department
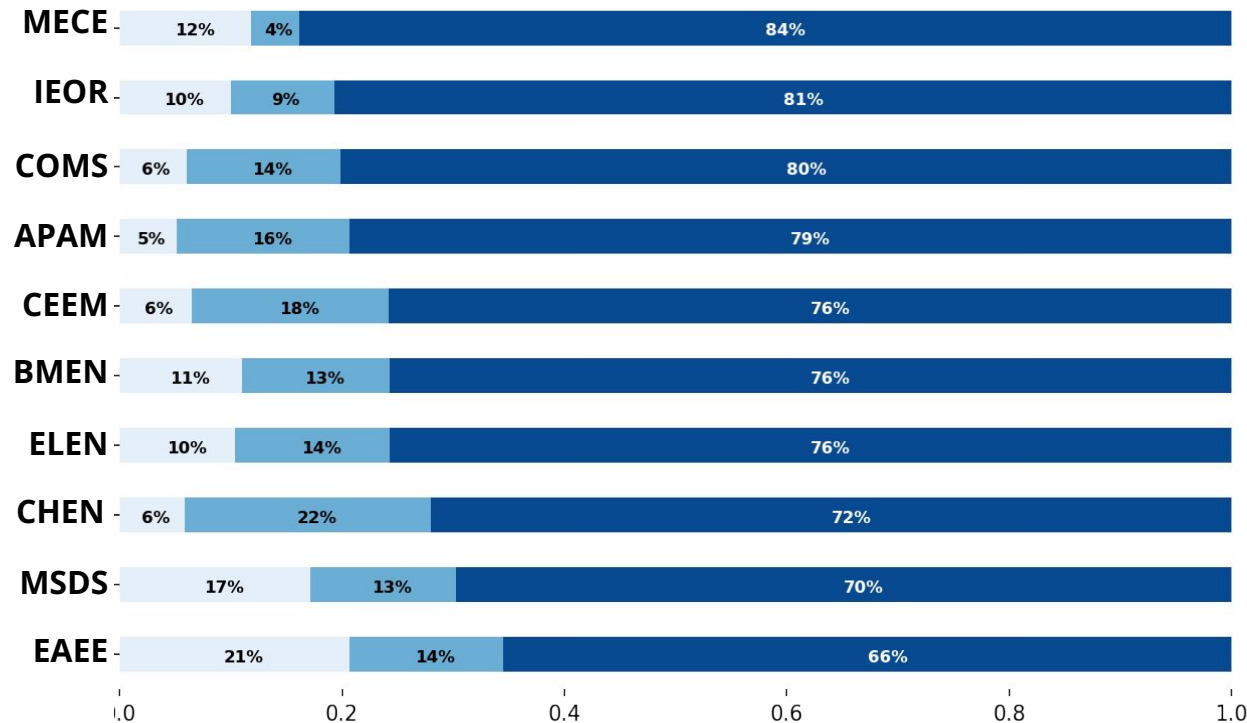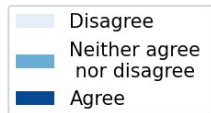
Over **80%** of our Mechanical, IEOR and Computer Science students are satisfied with the teaching quality in their courses

Satisfaction with Canvas Features
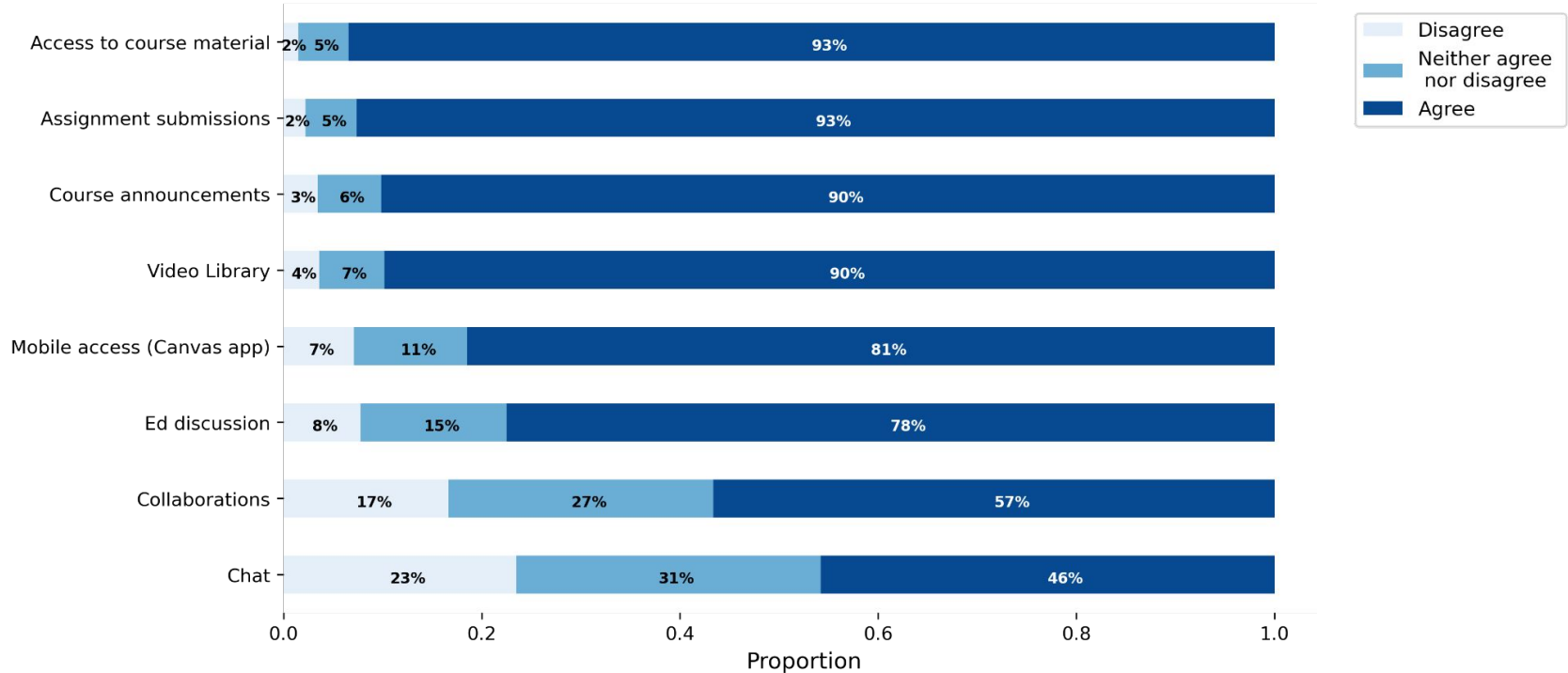
93% of students are satisfied with Canvas as a platform for accessing and submitting learning materials
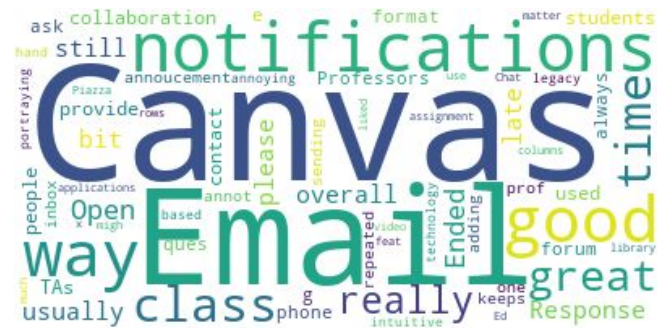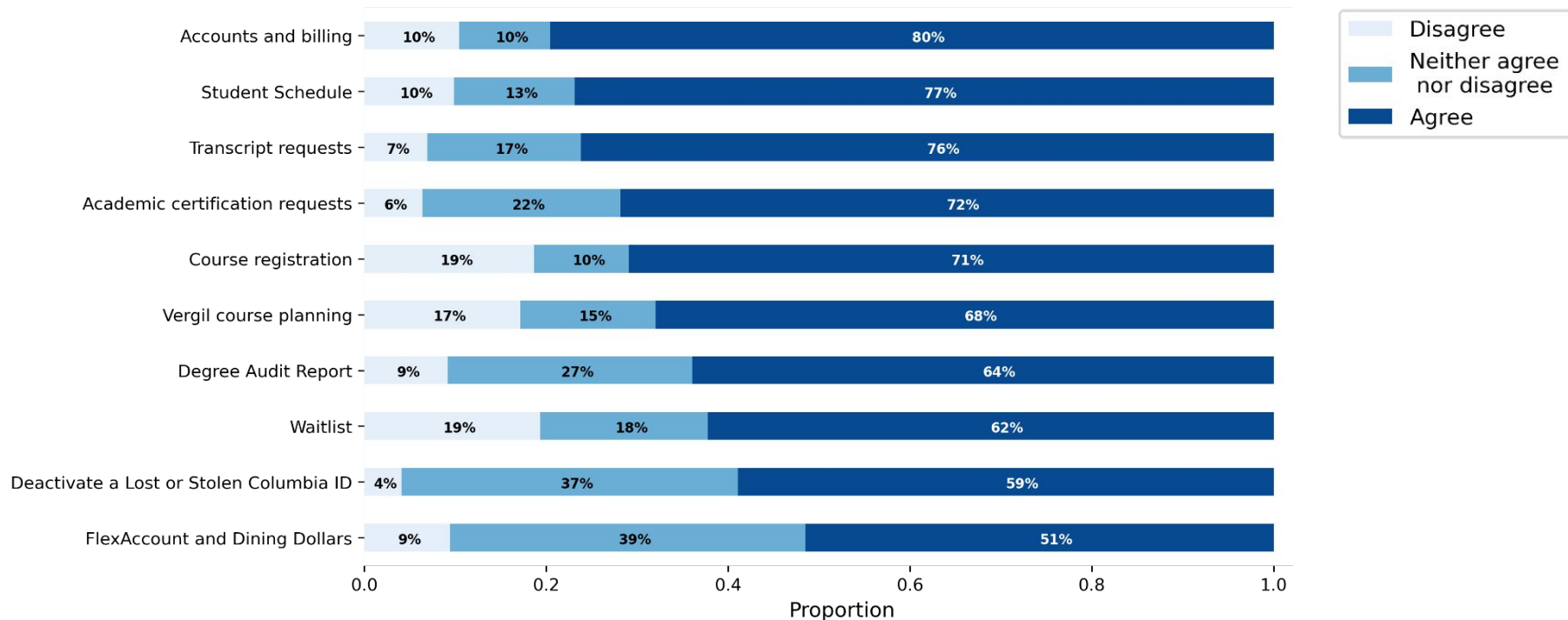
Feedback about Canvas

Students User

- "Email notifications are usually a bit late but overall it's still good."

- "The naming format is not consistent, as some professors list by course code (COMS 4732) while others list by course name (Computer Vision)."

- "It's better if there shown time and location of each course in canvas"

Instructor/TA

- "I find courseworks limited when I try to upload individualized comment files for each student (generated by a grading script). I either have to upload each file individually or type the comments manually, neither of which is convenient."

22

Satisfaction with SSOL Features

80% of students are satisfied with SSOL's Billing functionality, but its course registration functionality is a pain-point for many students.

Feedback about SSOL

Registration
- "It would be nice to not have **strict registration windows**."
- "It would be helpful if we can see our current **position** in the waitlist"

Interface
- "The user interface is quite a bit obsolete. UI could be better."
- "It would be nice if classes were shown in a **calendar format** in ssol as well."
- "it's better to **integrate Vergil** and ssol into one platform."

Billing
- "Billing is **vague** for graduate students. I often do not know what I am being charged for and have to email my department administrator."

Academics

Academic Integrity

Code of Honor

Passed in 2014 by COI, EGSC and ESC:

"We, the engineering graduate students of Columbia University, pledge to uphold the values of integrity, honesty, and dignity in the pursuit of common scholastic goals, both at Columbia and beyond."
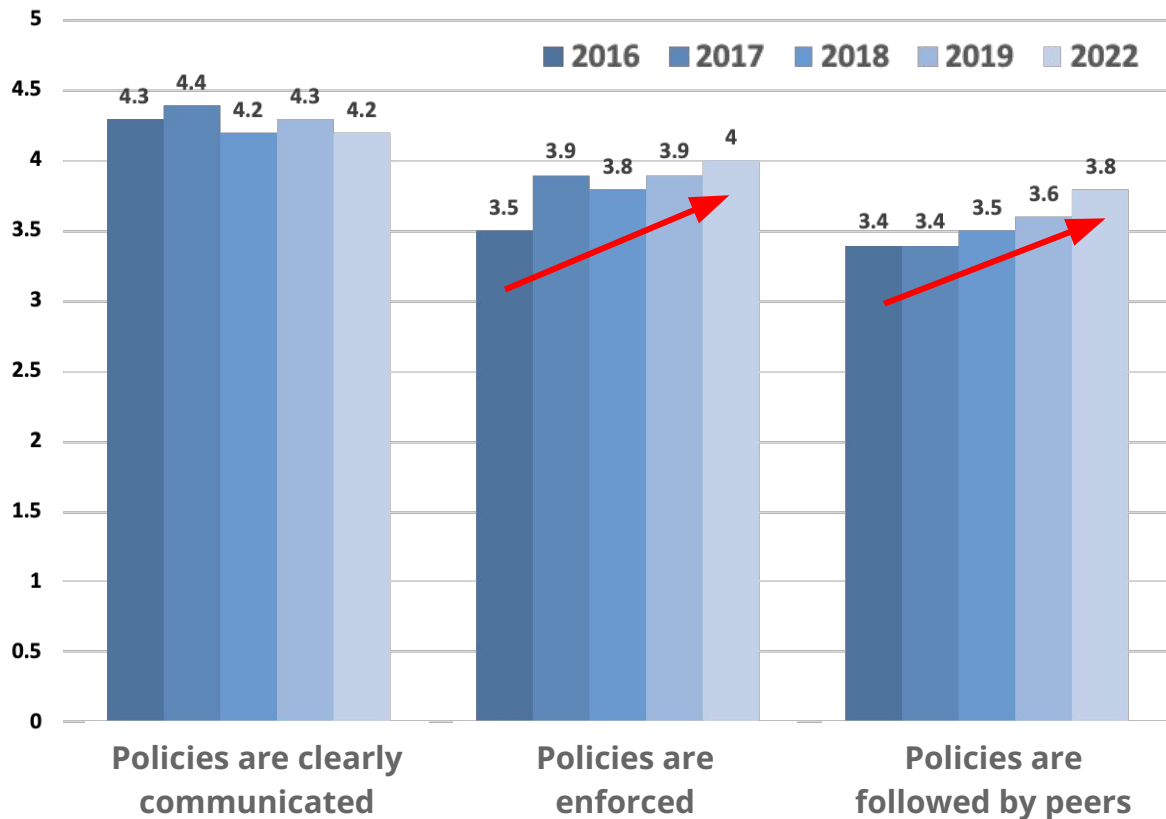
When are Students Taught about the Code of Honor?

- Introduced to incoming students at Orientation

- All students required to complete Academic Integrity Module online

☰ SEAS_GSA_OT_2021_3

**SEAS Mandatory Orientation Tutorials A21-S22**

Perception of Academic Integrity Policies

Students **more strongly believe** that Academic Integrity policies are both enforced and followed relative to past years

Academic Integrity Violations

Of **146*** students that became aware of an

academic integrity violation:

22%
Reported to
Professor

8%
Reported to
TA

6%
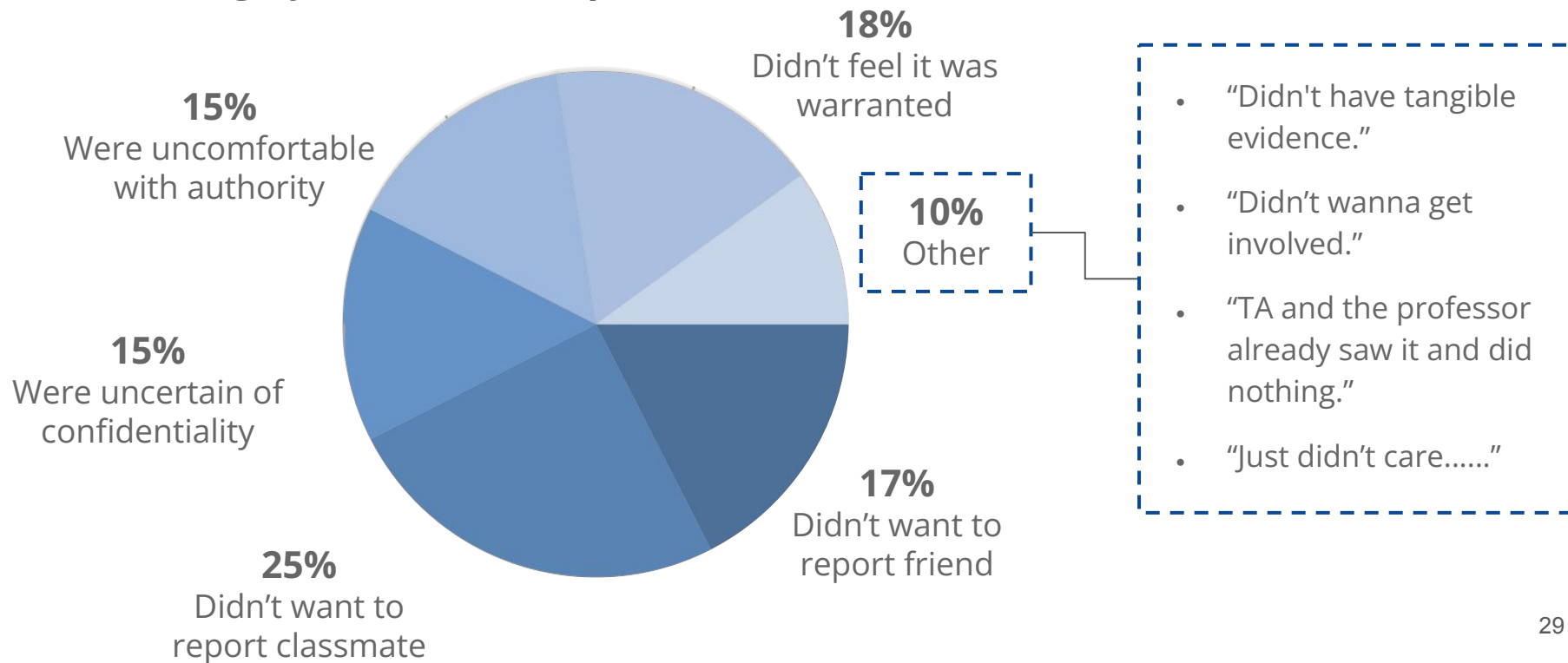Reported to TA
& Professor

64%**
did not report
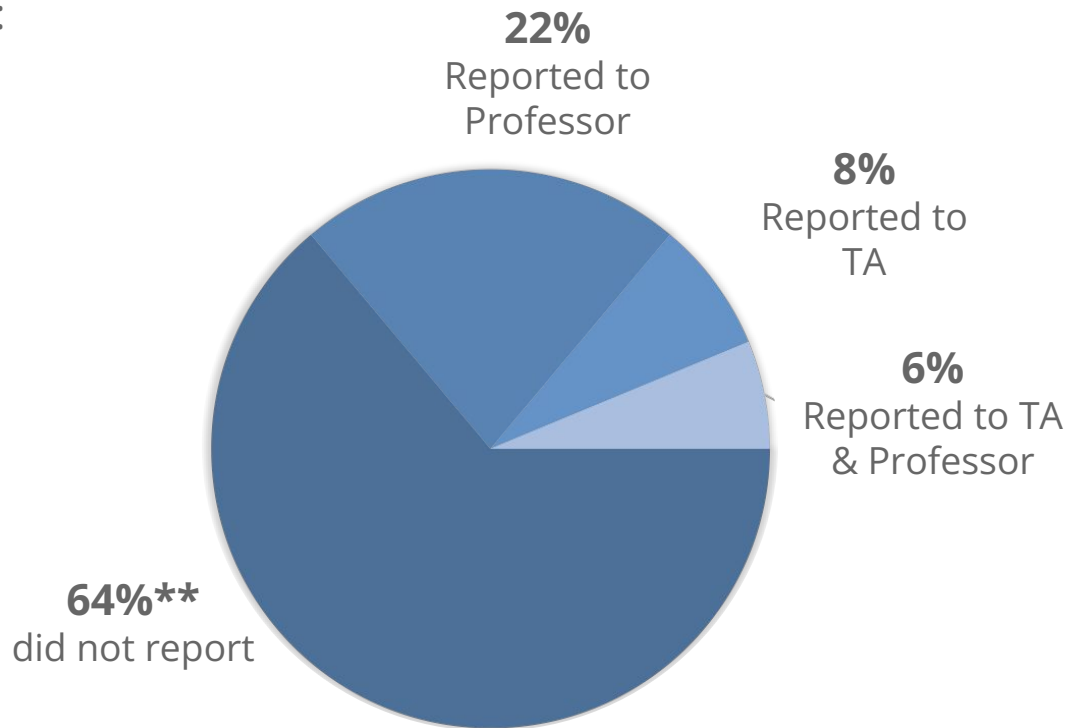
*compared to 166 in 2019

** 57% in 2019

Academic Integrity Violations

Why did the **64%** students that became aware of an academic integrity violation **not report**:

18%
Didn't feel it was warranted

15%
Were uncomfortable with authority

10%
Other

15%
Were uncertain of confidentiality

17%
Didn't want to report friend

25%
Didn't want to report classmate

- "Didn't have tangible evidence."

- "Didn't wanna get involved."

- "TA and the professor already saw it and did nothing."
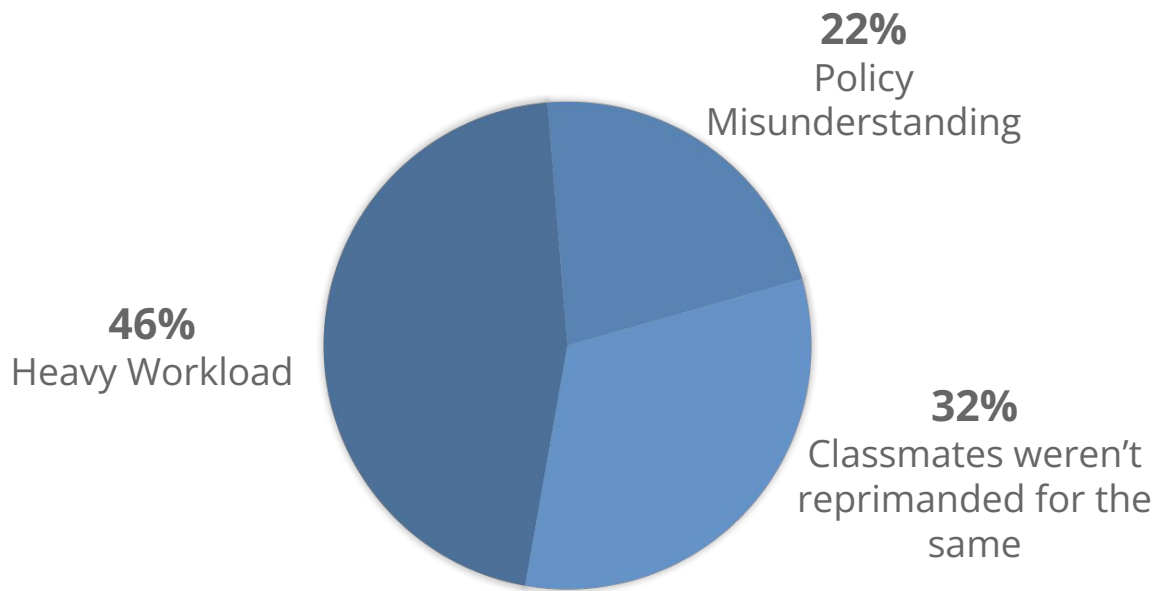
- "Just didn't care……"

Academic Integrity Violations

Of **438** TAs that took part in the survey, **74%** became aware of academic integrity violations

How were they handled?

24%
Student warned by TA

23%
Did Nothing

44%
Student warned by Professor

9%
Student warned by GSA

30
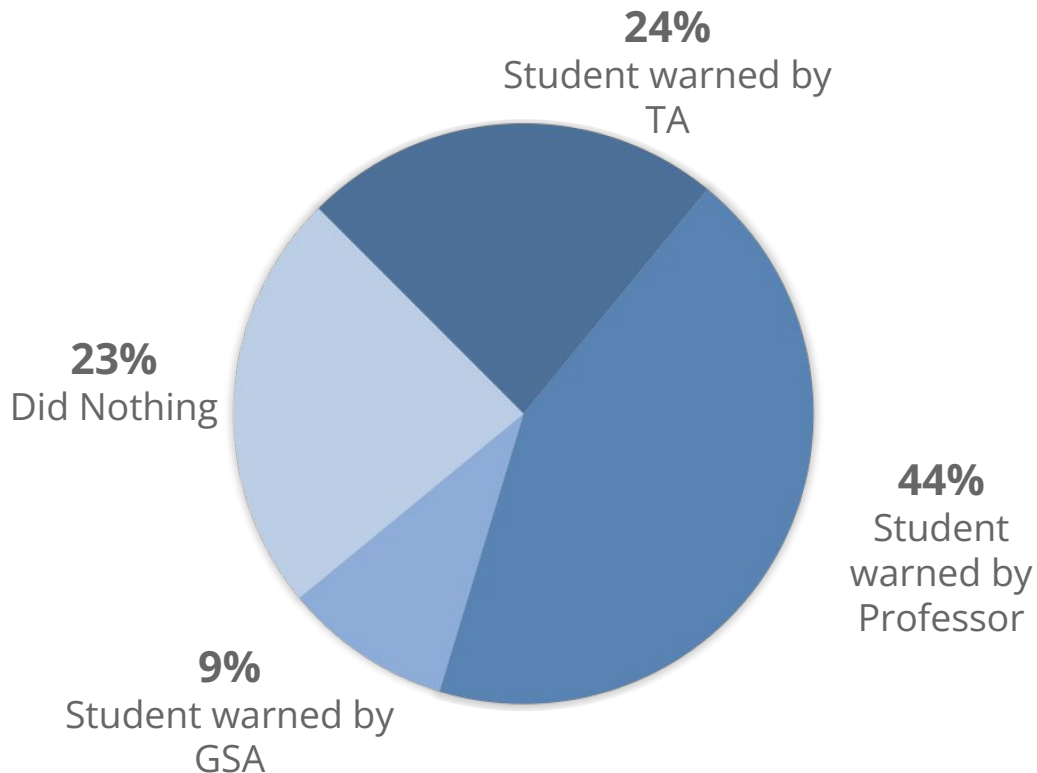
Academic Integrity Violations

47 students* admitted to violated Academic Integrity Policies, why did they do it?

22%
Policy Misunderstanding

32%
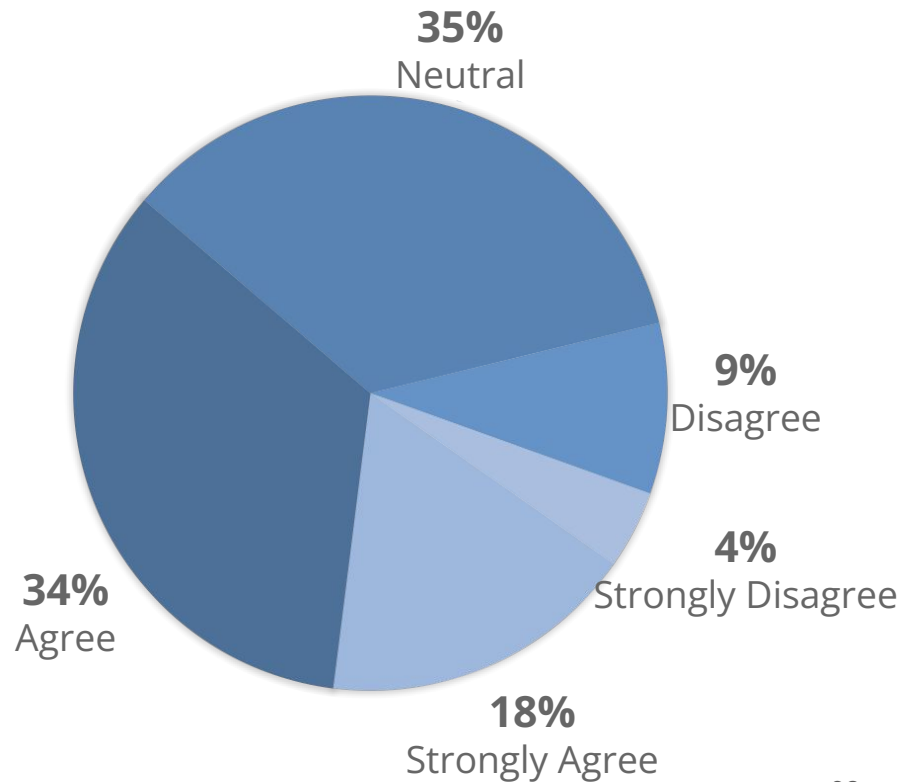Classmates weren't reprimanded for the same

46%
Heavy Workload

*(compared to 184 in 2019)

Hybrid Learning's Impact

52% of students perceive that hybrid learning has impacted the number of violations

Only **38%** believe that peer-reporting should play a role in enforcing policies

35%
Neutral

9%
Disagree

4%
Strongly Disagree

18%
Strongly Agree

34%
Agree

Academic Integrity Comments

- "Less take-home exams can help with the academic integrity."

- "Allow more collaboration and discussion on difficult coursework and assignments."

- "Maybe give different tests to different students."

- "I believe a great way to improve would be to have a study group policy on homeworks."

- "I feel academic integrity policies are not very clearly defined."

- "Assignments and tests should not be about books, they should be about knowledge and teamwork because that is what will help us in our careers."

- "Lots of people cheated when taking classes virtually."

- "I strongly believe that most Academic Integrity issues appear from unreasonable workloads."
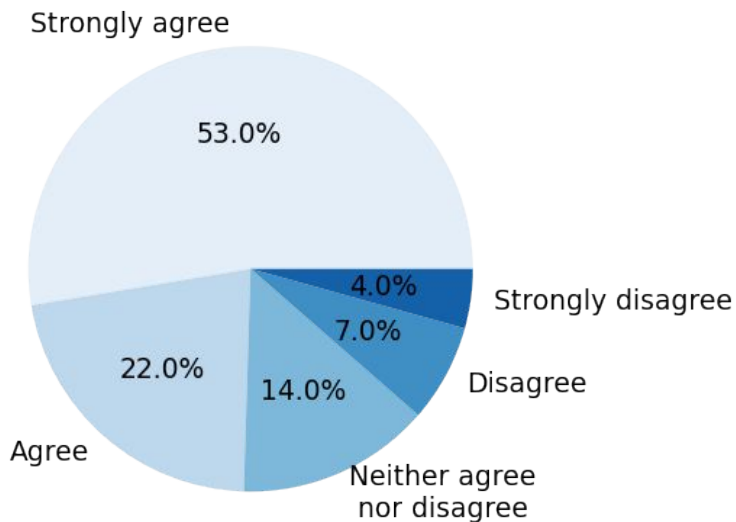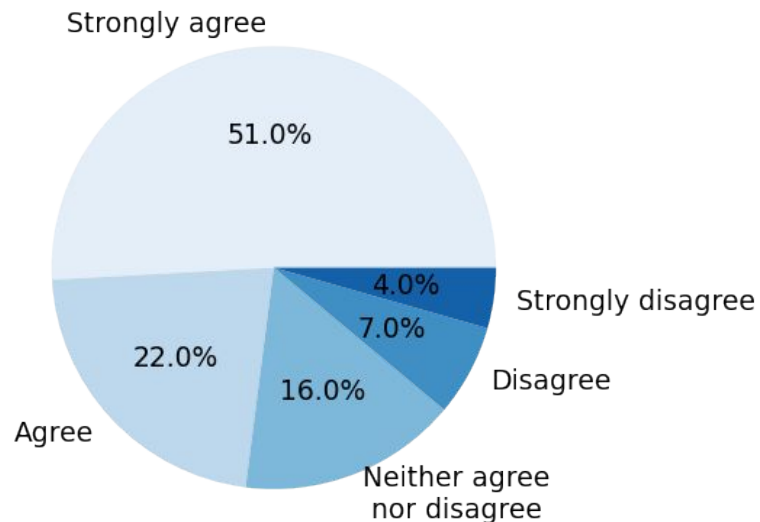
33

Professional Development

PDL Module Satisfaction

Core Modules

Elective Modules

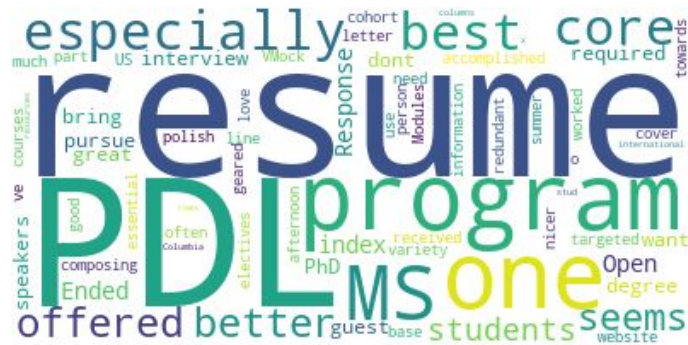Over **73%** of students are satisfied with the PDL modules available to them

PDL Feedback

On Course Availability
- "I wish there had been more variety in the electives available."
- "better to have more technical electives."
- "More industrial-specific workshops would make PDL better"

On PDL Requirements
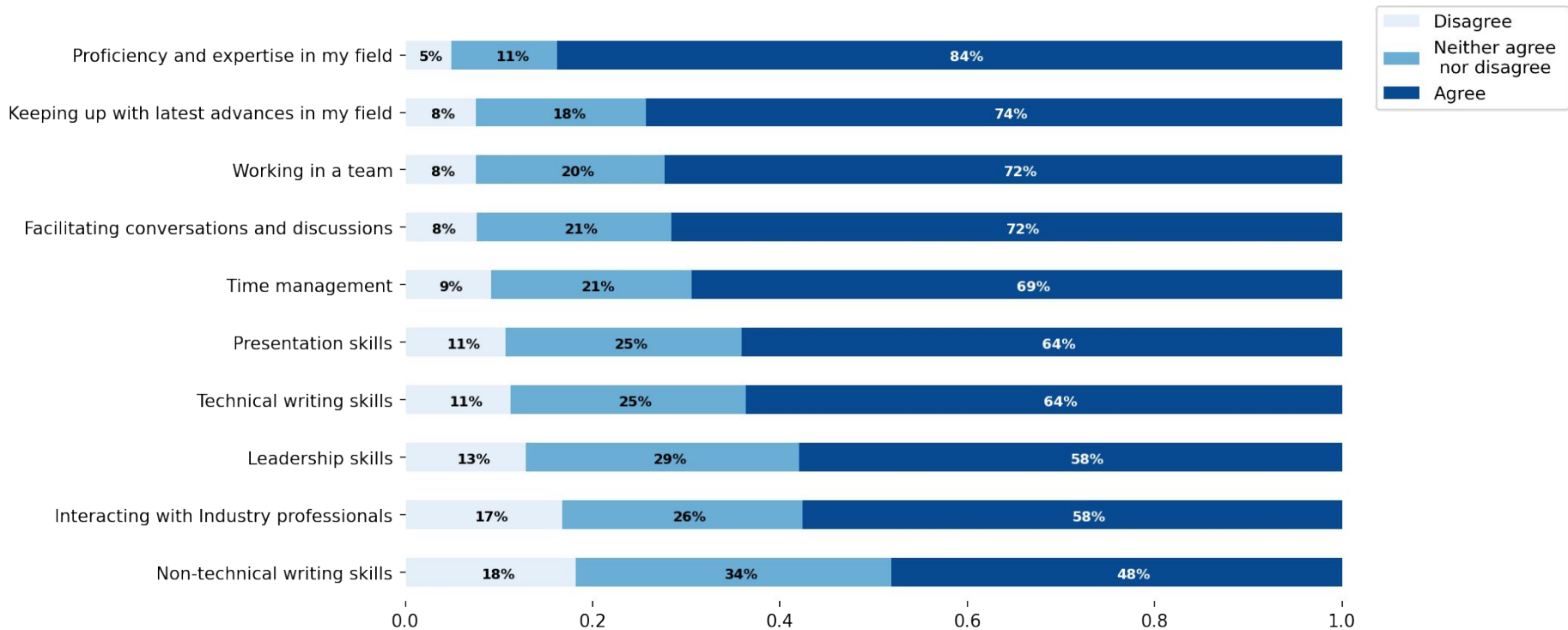- I think it would be better if we can have less PDL requirements.

Career Placement & Networking

Skills Developed at Columbia

84% of students feel they've increased their proficiency and expertise in their field
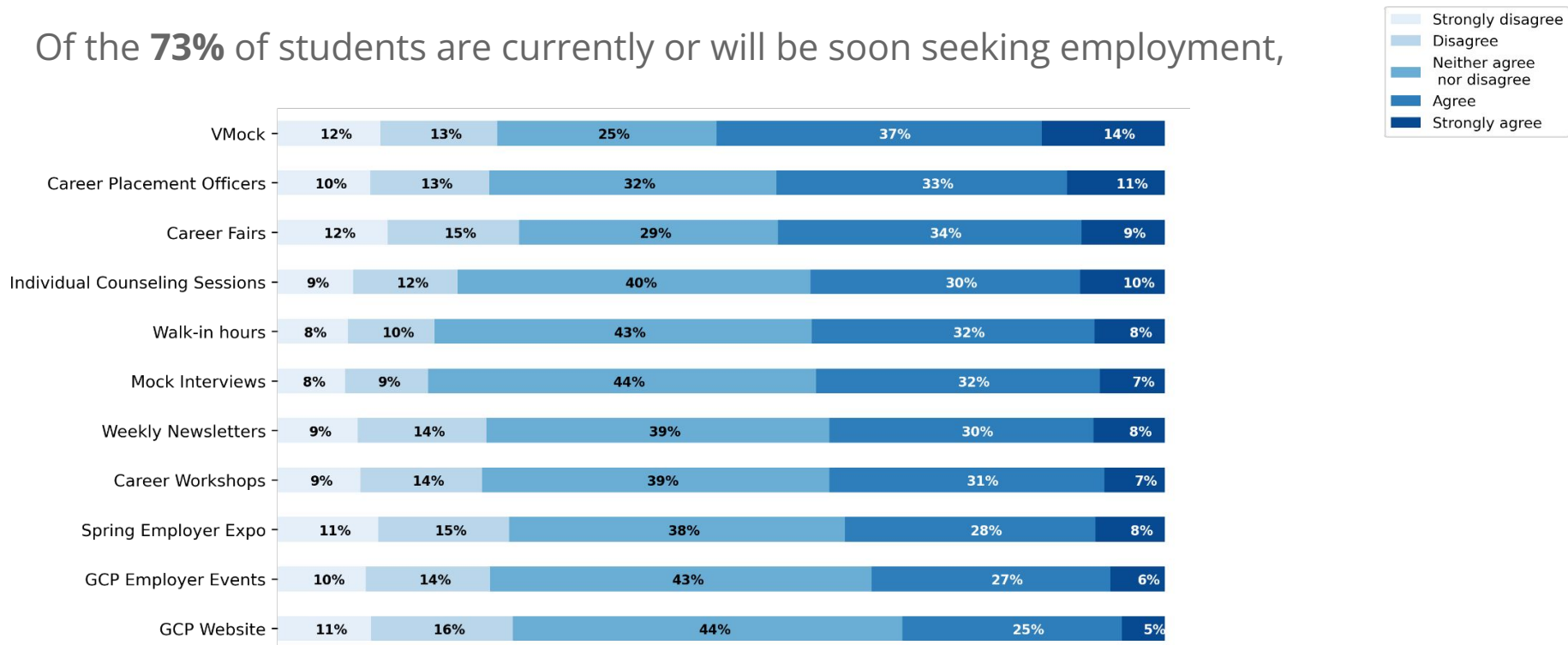
Student Job Search

The **73%** of students are currently or will be soon seeking employment were asked which resources were the most helpful in their job search

Legend:
- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

Resource	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
Personal contacts	3%	6%	20%	48%	23%
Company Information Sessions	7%	13%	26%	41%	13%
Department administration/Career placement officer	11%	13%	25%	38%	13%
Department-sponsored career events	9%	16%	27%	37%	11%
Alumni networking events	6%	16%	34%	33%	11%
Faculty	9%	19%	32%	31%	10%
EGSC career related events	7%	15%	38%	32%	8%

Personal contacts were deemed the most helpful in the job search

Student Job Search - GCP

Of the **73%** of students are currently or will be soon seeking employment,


Legend:
- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

Category	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
VMock	12%	13%	25%	37%	14%
Career Placement Officers	10%	13%	32%	33%	11%
Career Fairs	12%	15%	29%	34%	9%
Individual Counseling Sessions	9%	12%	40%	30%	10%
Walk-in hours	8%	10%	43%	32%	8%
Mock Interviews	8%	9%	44%	32%	7%
Weekly Newsletters	9%	14%	39%	30%	8%
Career Workshops	9%	14%	39%	31%	7%
Spring Employer Expo	11%	15%	38%	28%	8%
GCP Employer Events	10%	14%	43%	27%	6%
GCP Website	11%	16%	44%	25%	5%

51% found VMock helpful in their job search

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Student Job Search - Outcome

38% of students that were actively searching secured a job/internship offer
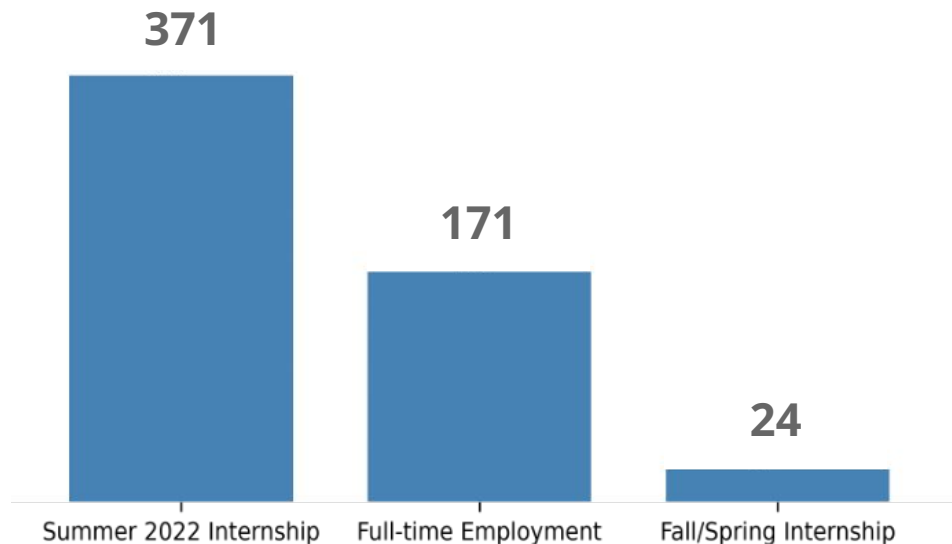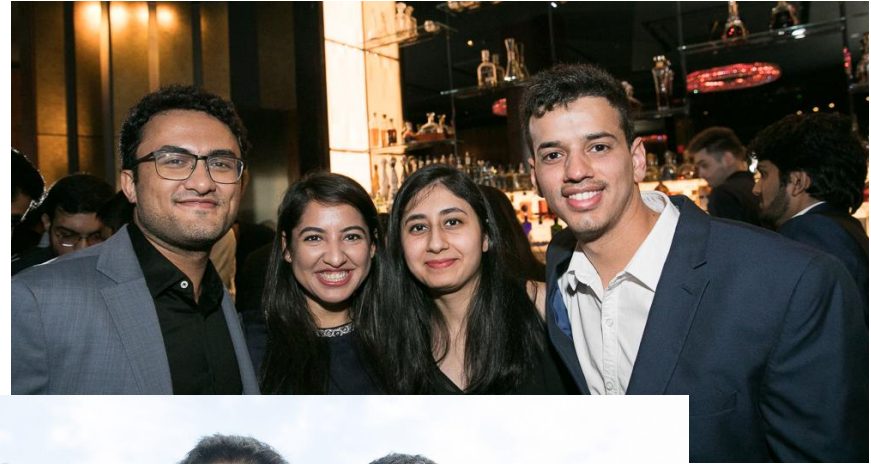

Where did you find out about the role?
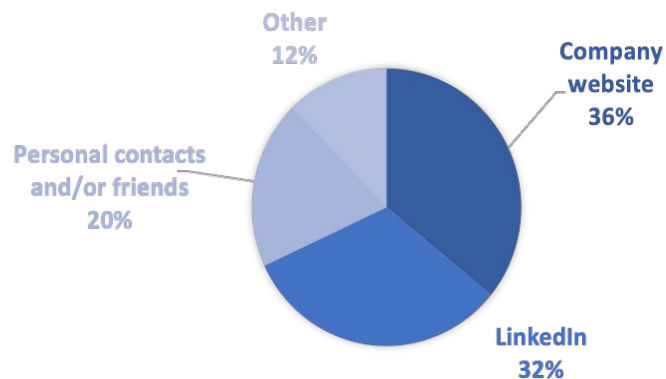
68% of these students found the role through LinkedIn or the company's website.

Networking Resources

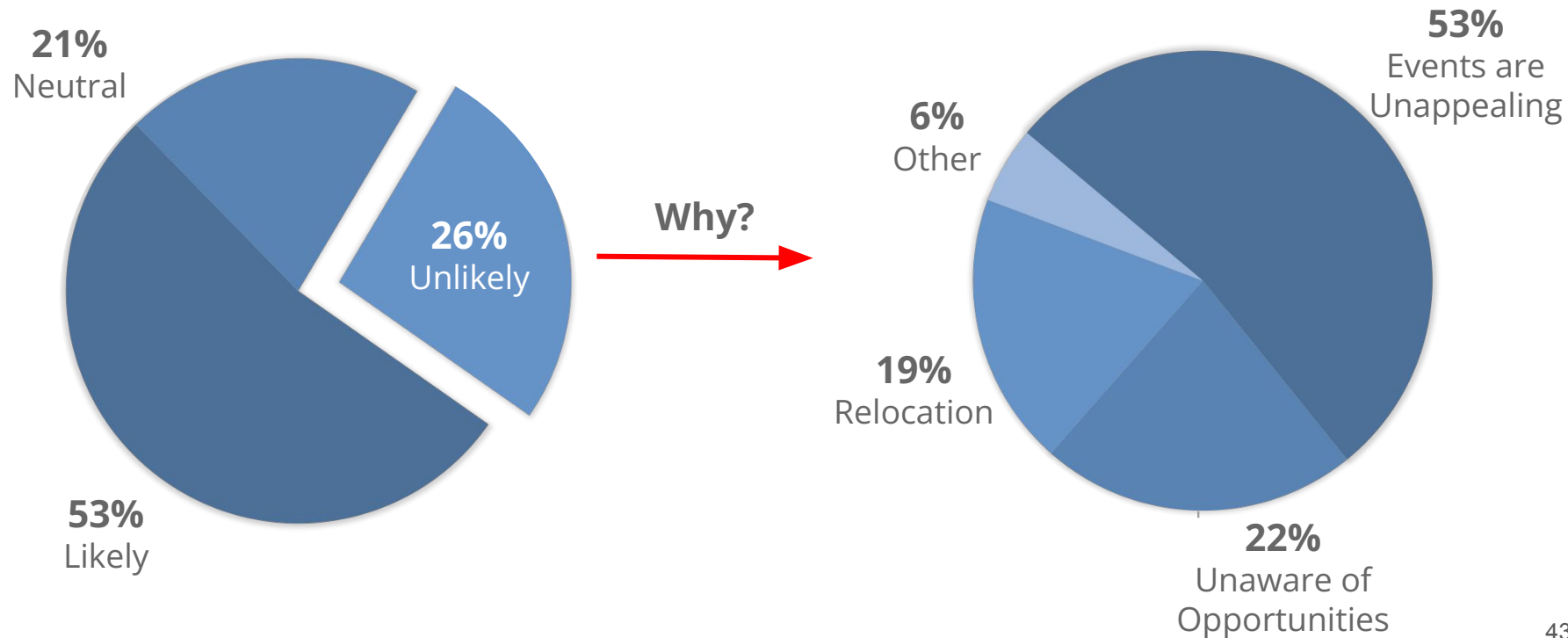Over **67%** of students are actively developing their network

Top 3 Resources

1. Friends (779)
2. Faculty (287)
3. EGSC and GSA Events (233)

Future Alumni Involvement

When asked whether they would be willing to participate in online or in-person networking events with Columbia after graduation:

21%
Neutral

26%
Unlikely

53%
Likely

Why?

6%
Other

53%
Events are
Unappealing

19%
Relocation

22%
Unaware of
Opportunities

43

Career Placement & Networking - Feedback

- "Please keep it smaller groups and more personalized, and please take into account what students really want [to pursue in their career]."

- "More feedback from current or past PhD students, please!"

- "More resume drop events would have helped me secure an internship earlier."

- "Alumni is one of the strongest points of Columbia, I received my job because of the alumni."

- "It will be great if we can have a mentorship program that matches a alumni with a student to provide guidance or advice for career path."

- "The "IEOR Career Talk Series" where we learned about how seniors got their jobs were good but please focus to improve on networking events that actually lead to employment or internship opportunity."

Health and Safety

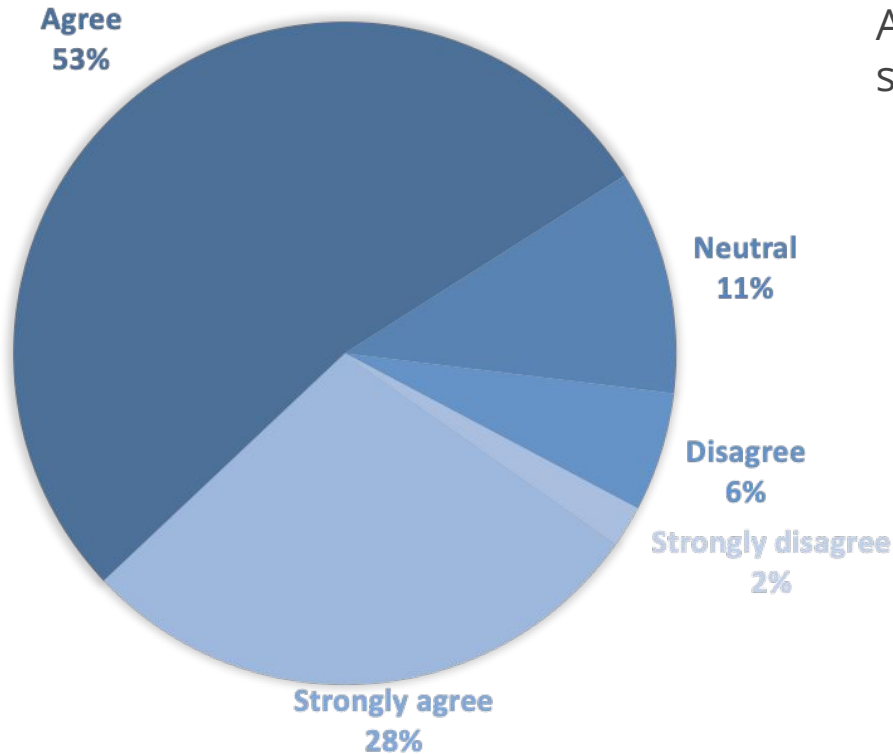# Safety on Campus

Agree
53%

Neutral
11%

Disagree
6%

Strongly disagree
2%

Strongly agree
28%

Among **99 students** who feel unsafe or strongly unsafe:
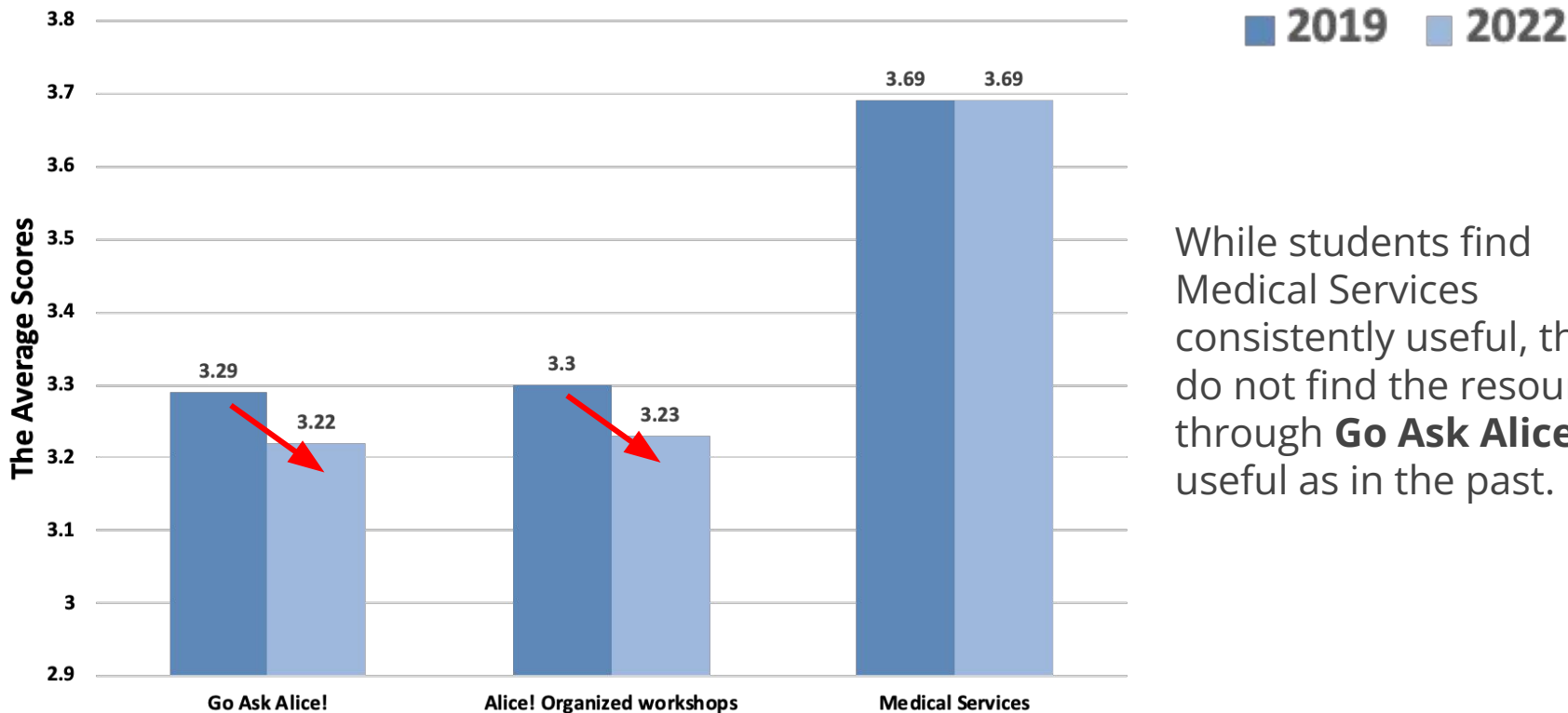
41 students are female.

8.5% of all female respondents feel unsafe on campus.

46 students are male.

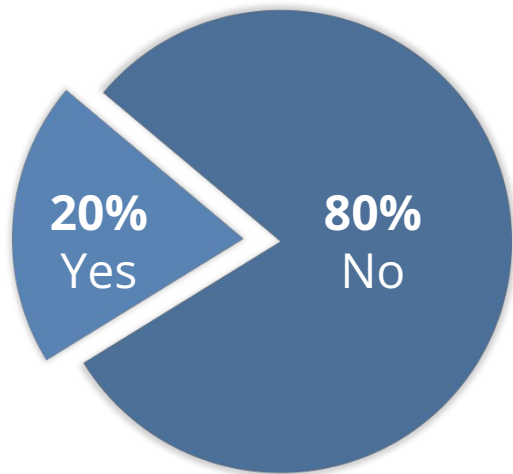**6.5% of all male respondents feel unsafe on campus.**
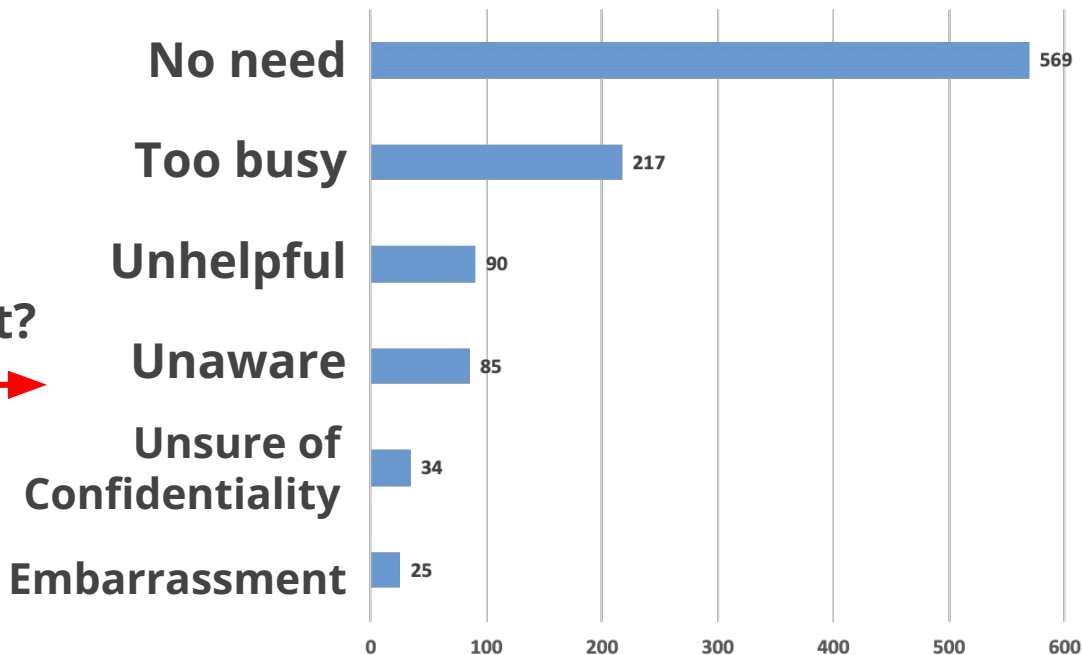
Health Services

While students find Medical Services consistently useful, they do not find the resource through **Go Ask Alice** as useful as in the past.

Use of Counseling and Psychological Services

Have you used CPS?

20% Yes

80% No

Why not?

Reason	Count
No need	569
Too busy	217
Unhelpful	90
Unaware	85
Unsure of Confidentiality	34
Embarrassment	25

Health Services - Feedback

Insurance:

- "The expense is too high and once when I needed service I failed to make appointments online."

- "I think you should let students have more options. Allow them to choose other insurances."

- "We need full dental and vision coverage [included]. EVERYONE HAS TEETH AND EYES. It is marginalizing and disproportionately affecting financially unstable students."

Health Services:

- "The referral is useless: I cannot make an appointment at school and wait when have emergency."

- "The health services at Columbia have been great."

- "I dislocated my jaw but couldn't get a same day appointment because it wasn't "life threatening. Finally saw a doctor and she gave me a referral but I couldn't get another appointment for weeks."

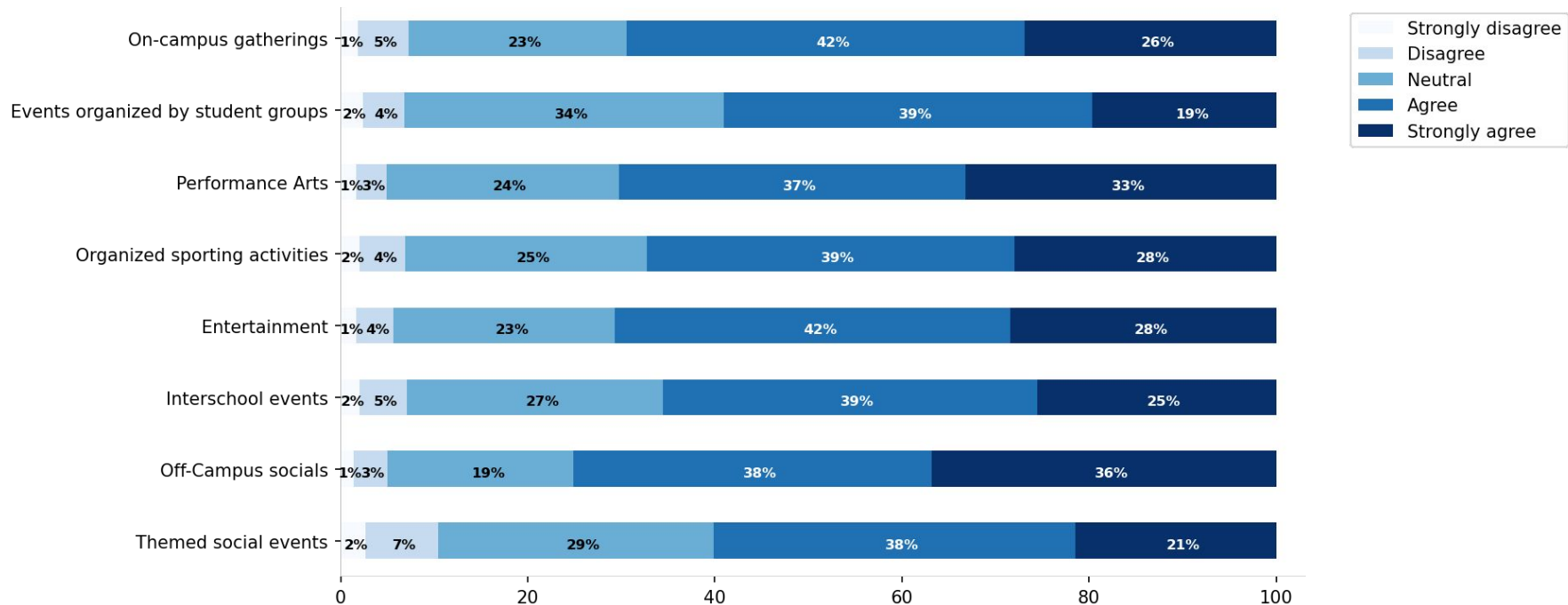- "I appreciate the ability to make appointments online however this portal's interface could be improved."

Student Life

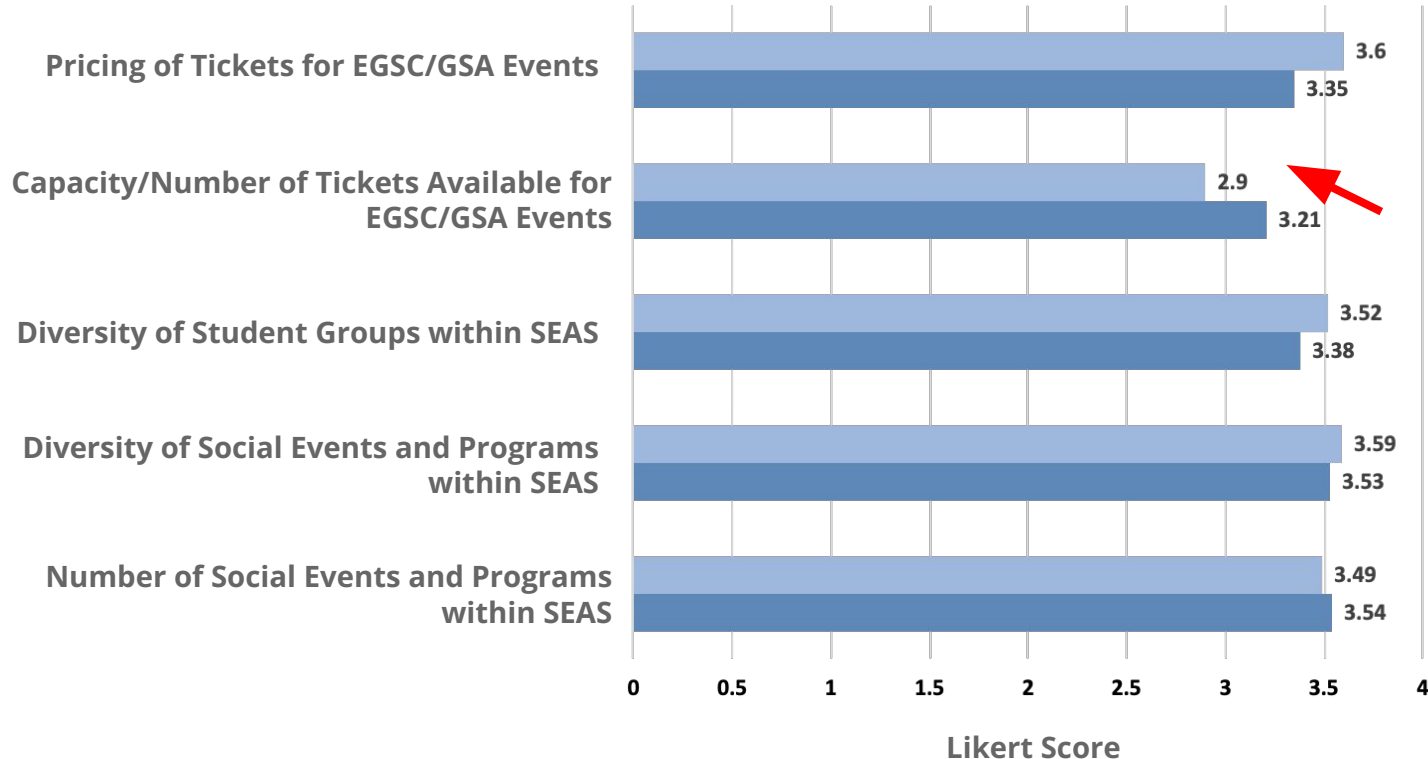# Satisfaction with EGSC and GSA Events

While we see that around **60%** of students are satisfied with events, there are a fair number of students that are expressing dissatisfaction as well.
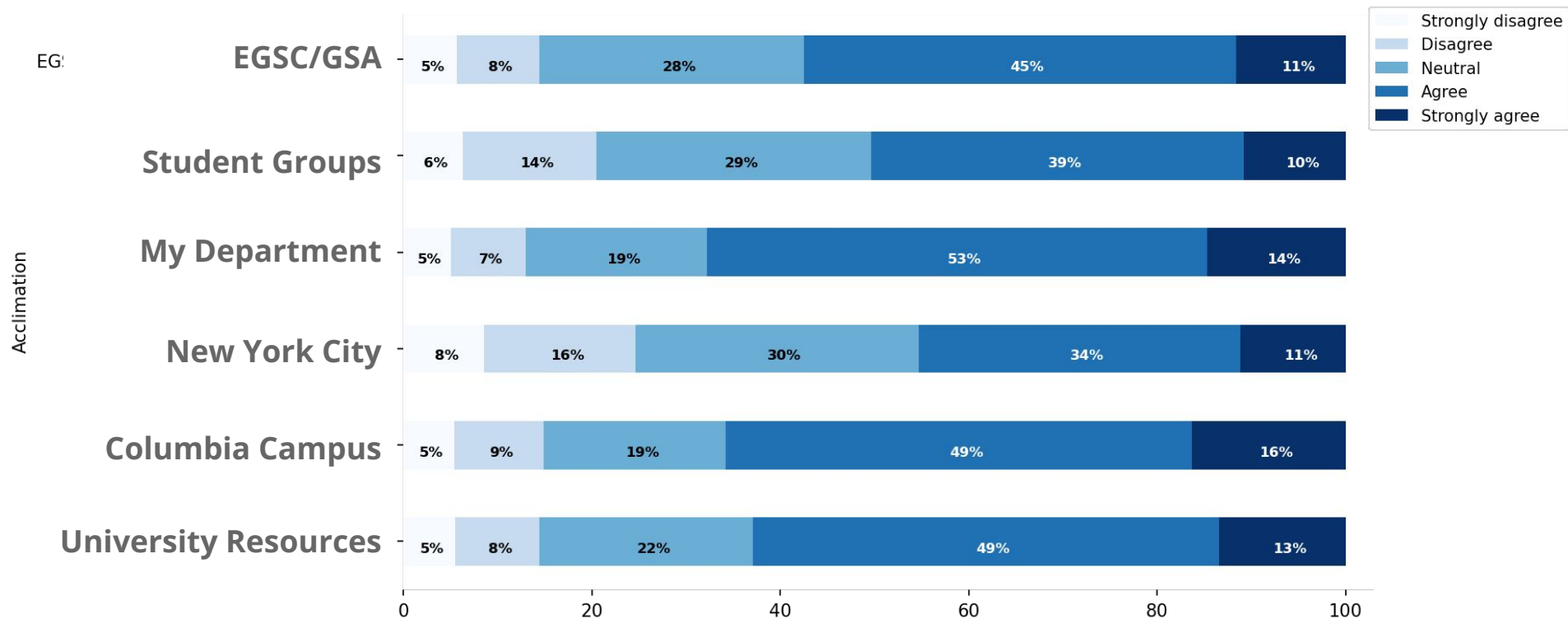
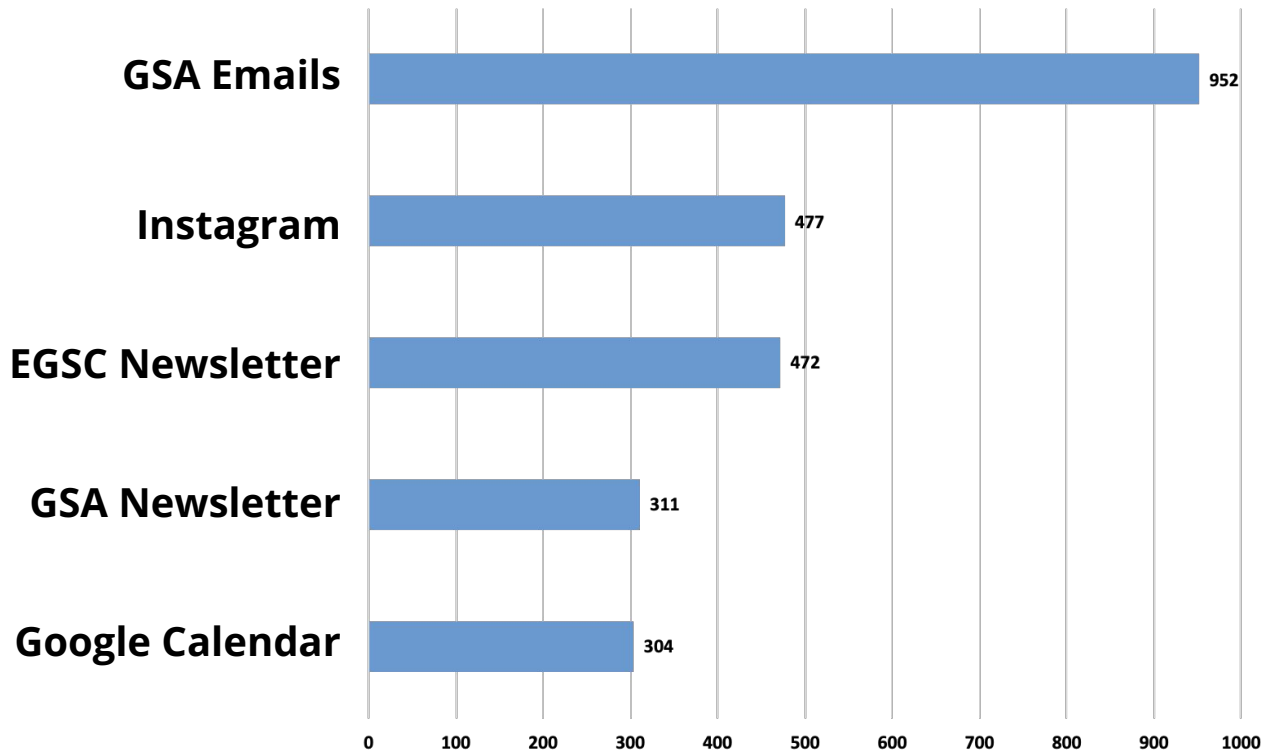# Satisfaction with Community Building Efforts

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Acclimation from Orientation

Orientation ensured that over **50%** of our students felt more comfortable with Columbia's Resources.

Event Promotion

Students primarily get their event information from **GSA emails**, followed by **Instagram**

Student Life - Feedback

Social events:

- "I love the social events. they make me very happy and provide more adequate networking than any other alumni or networking event."

- "A calendar that is constantly being updated with events would be helpful."

- "I think the mentor-mentee event is super great and it helped me find one good friend here."

- "The events are organized at an extremely limited capacity. There is always a sense of hurry and unnecessary tension to book tickets."
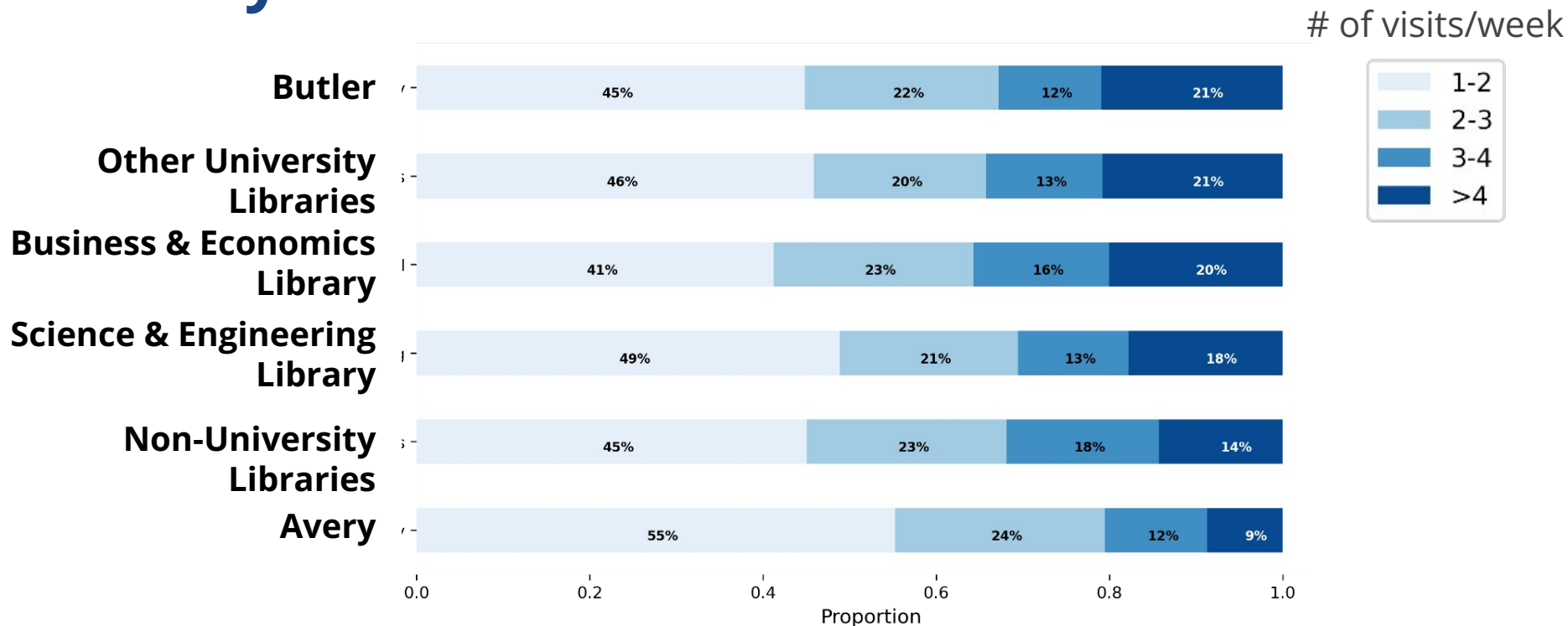
Orientation:

- "Make there be a campus tour, i had no idea where anything was when i got here. I felt so disoriented."

- "Provide more suggestions on course selections to them."

- "Please have a makeup orientation for students who miss the original one for any reason."

- "Some small group and departmental activities would be helpful for meeting people."

- "Please include details about various student groups in details in orientation."

Facilities

Library Use

Legend:
- 1-2
- 2-3
- 3-4
- >4

Library	1-2	2-3	3-4	>4
Butler	45%	22%	12%	21%
Other University Libraries	46%	20%	13%	21%
Business & Economics Library	41%	23%	16%	20%
Science & Engineering Library	49%	21%	13%	18%
Non-University Libraries	45%	23%	18%	14%
Avery	55%	24%	12%	9%

Proportion (x-axis: 0.0, 0.2, 0.4, 0.6, 0.8, 1.0)

While the majority of students are still choosing to study outside of libraries, for those that do, **Butler** is the most frequently used, while **Avery** is the least.

57

Library Resources
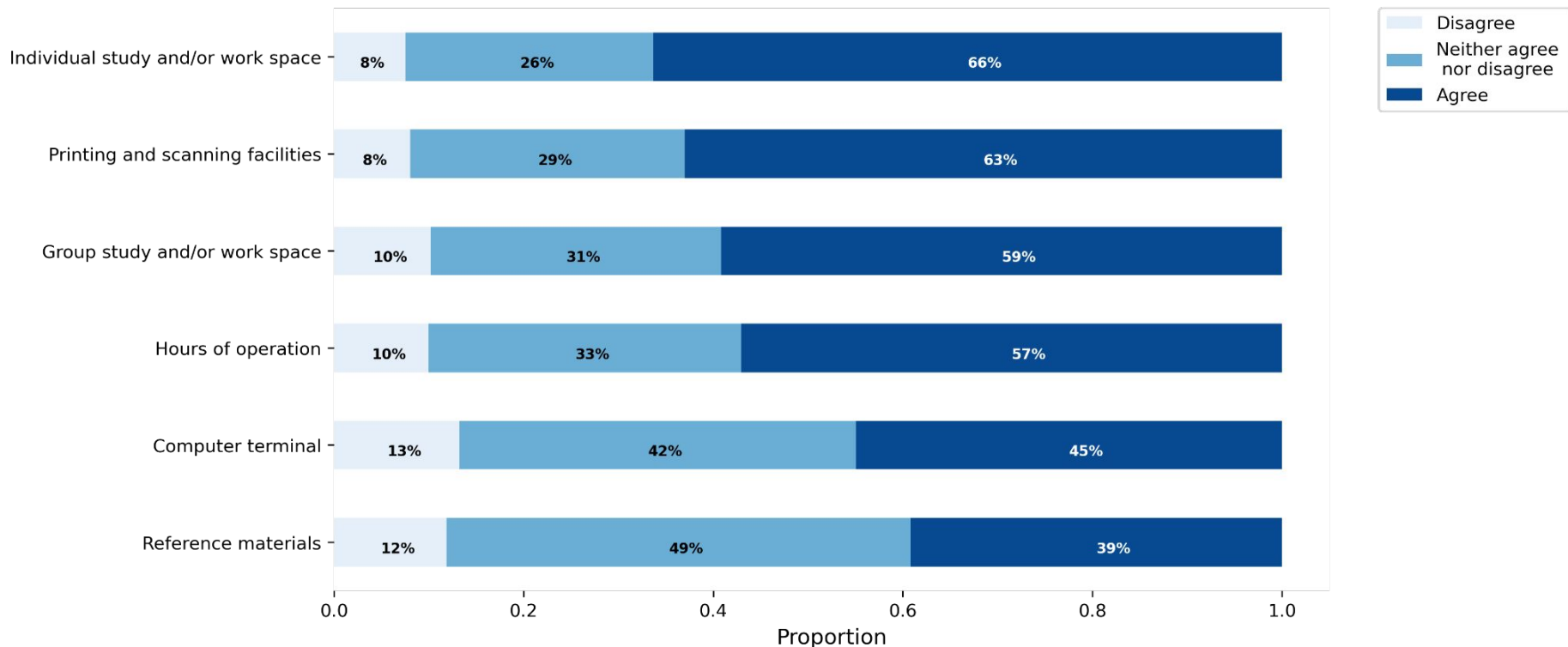
66% of students are satisfied with the **individual** study and work space provided by the libraries.

Library Feedback

Space

- "There are limited places for group collaborations"
- "Maybe have more quiet rooms for study"
- "Not enough space, and it's a bit noisy"

Time

- "Libraries should be 24/7"
- "It would be nice if libraries opened at like 7 or 8 am"
- "I think it might be better for Engineering Library to extend some hours at late night"

Facilities

- "More printing devices; Color printer in Noco; More printing dollars"
- "Keep a few cafes open till late in the evening; Upgrade vending machines or coffee machines "
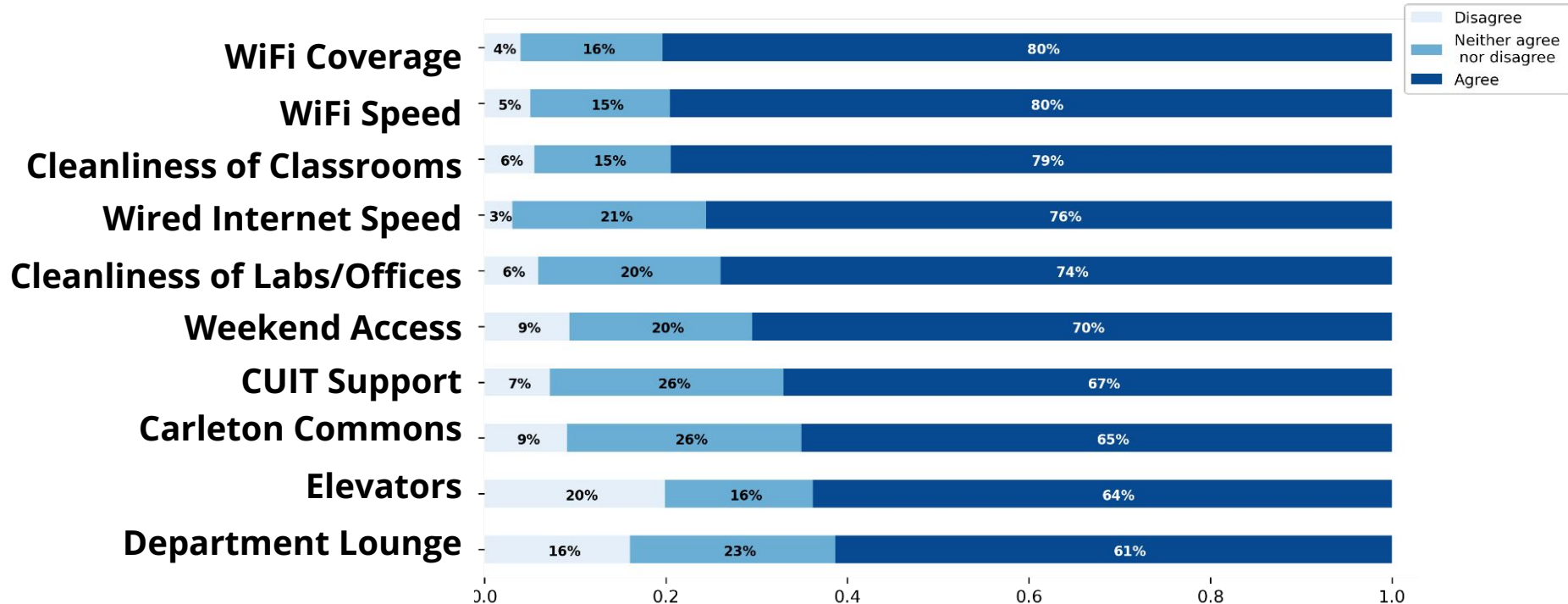- "More outlets; Temperature control"

Facilities Satisfaction
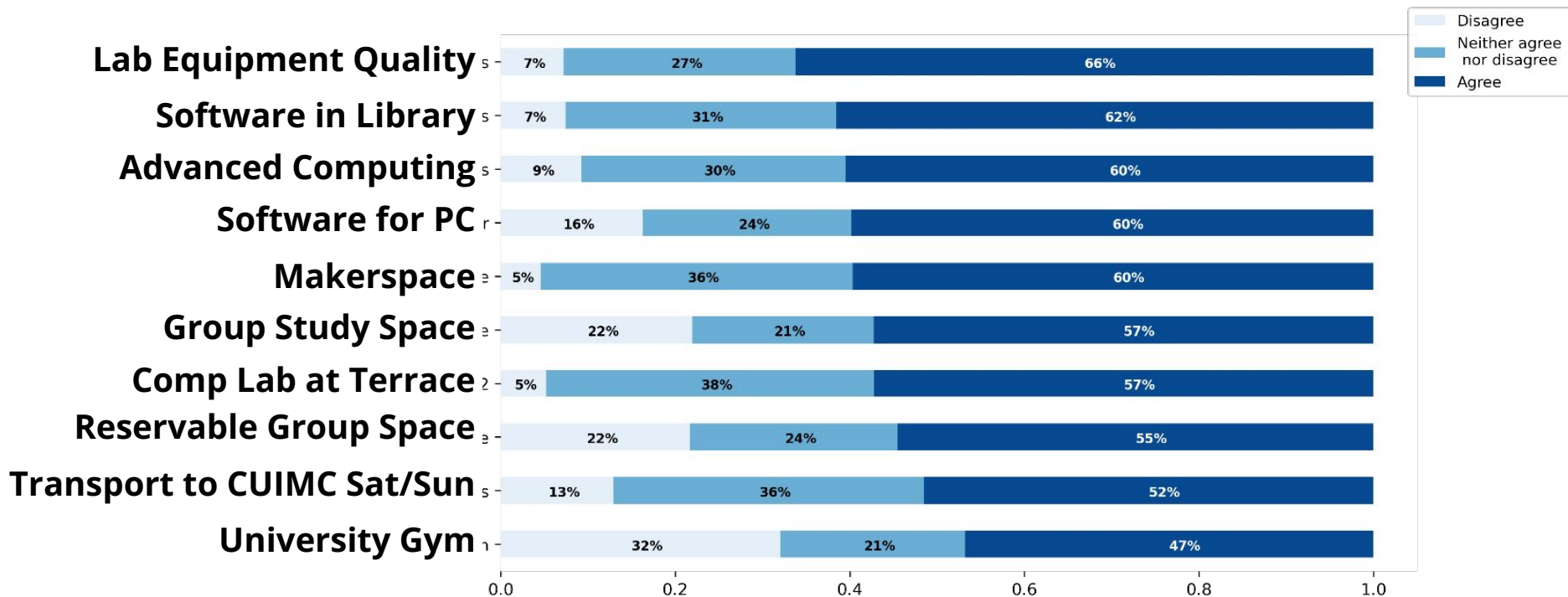
66% of students are satisfied with available lab Equipment. Improvements desired for group study space and the fitness facilities.

Facilities Satisfaction (continued)

Students are overall very satisfied with Engineering Buildings. However, the **elevators** and access to **department lounge space** are notably lower.

Housing

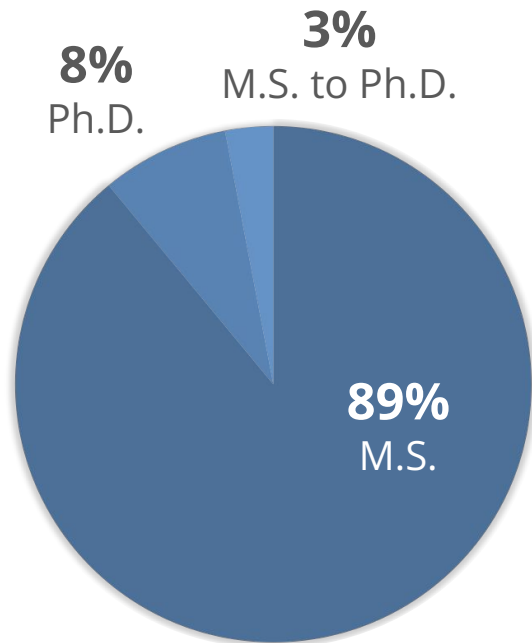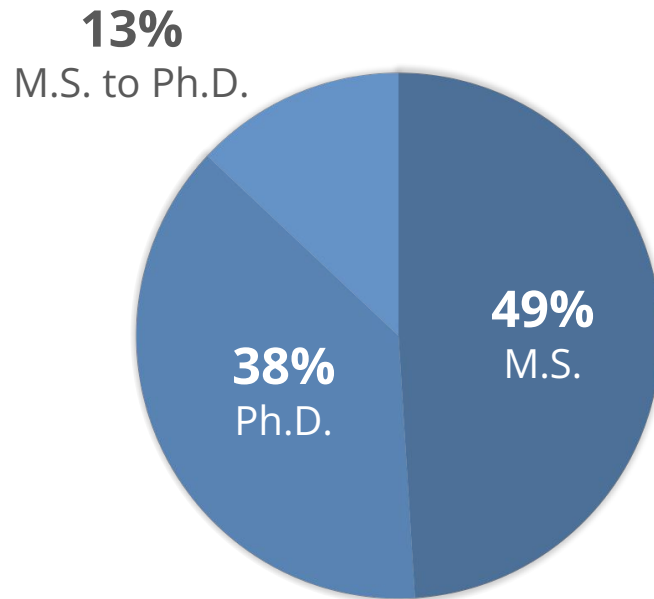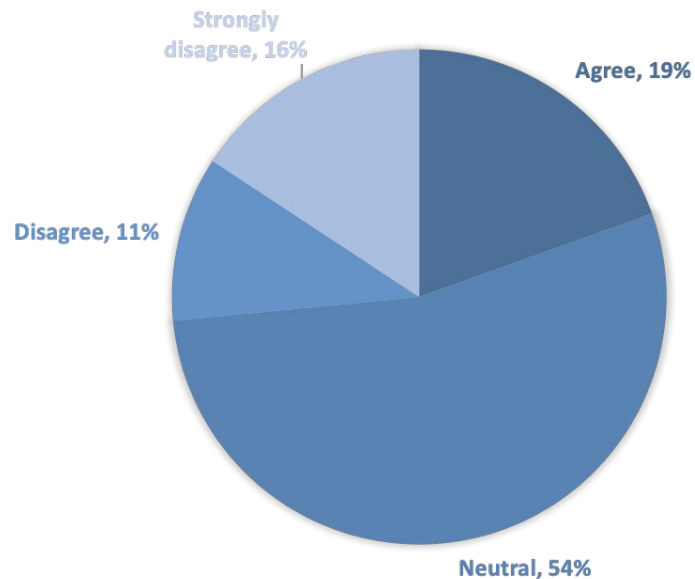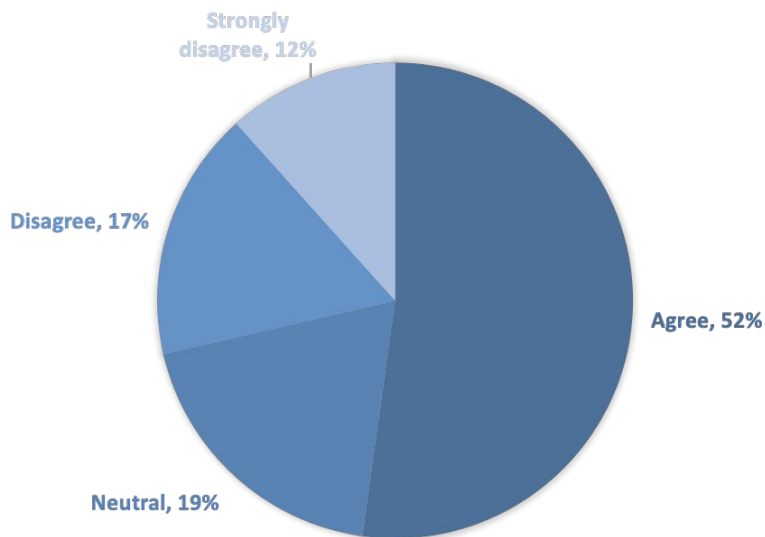# Residence Location

68% of students live Off-Campus
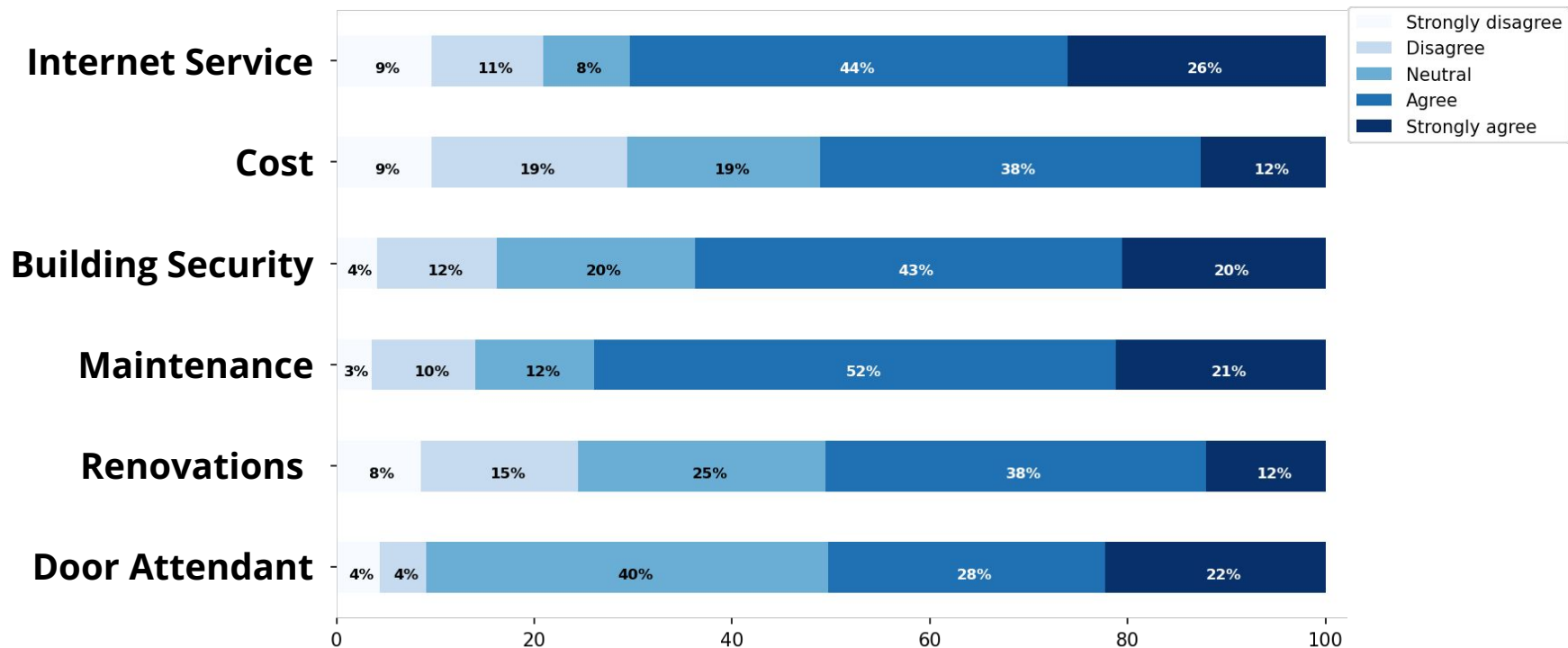
29% of students live in Columbia Residential Housing

3%
M.S. to Ph.D.

8%
Ph.D.

89%
M.S.

13%
M.S. to Ph.D.

38%
Ph.D.

49%
M.S.

Columbia Residential Satisfaction

While **52%** of students are satisfied with the **Application Process...**

Strongly disagree, 12%

Disagree, 17%

Agree, 52%

Neutral, 19%

Strongly disagree, 16%

Agree, 19%

Disagree, 11%

Neutral, 54%

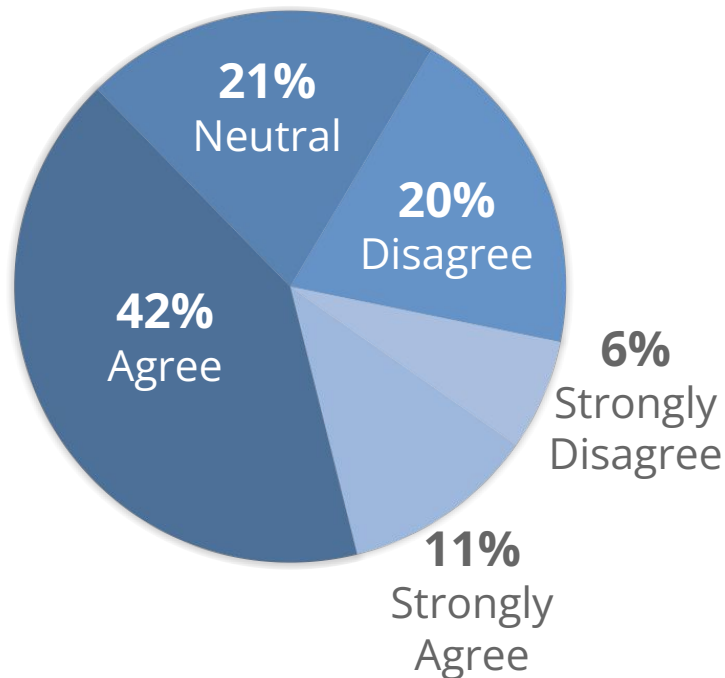...Only **19%** were satisfied with the **Transfer Process**

Residential Management Satisfaction

Over **70%** of students living in Columbia Residences are satisfied with building **maintenance**.

Commuting to Campus

We asked if students felt **physically safe** while commuting to campus:

Pie chart:
- 21% Neutral
- 20% Disagree
- 6% Strongly Disagree
- 11% Strongly Agree
- 42% Agree

Among **322** students who feel unsafe or strongly unsafe commuting:

142 students are female.

➔ **30%** of females feel unsafe commuting.

151 students are male.

➔ **21%** of male feel unsafe commuting.

244 students live off-campus.

➔ **28%** of the students living off-campus feel unsafe.

151 students live in Columbia Residential.

➔ **21%** of the students in Columbia Residential feel unsafe.

Housing Comments

Off-Campus Housing

- "There is very little transparency with housing. Nowhere else do you have to commit to a unit without even seeing pictures of the place let alone seeing a unit."

- "I am hoping that Via could expand its south reach range more to 100th street or 96th street."

- "Maybe provide more housings for graduate students."

- "I am very grateful for Via's evening shuttle service."

- "I wish there could be help from columbia in finding reliable real estate companies and brokers."

About Columbia Housing

- "Hope the university adds doormen to all dormitory buildings."

- "I hope there is a market for buying and selling used furniture or A/C when moving in and out."

- "The furnishing provided in furnished apartments should be of better quality."

- "Satisfied with housing and services provided."

Q&A with Panelists