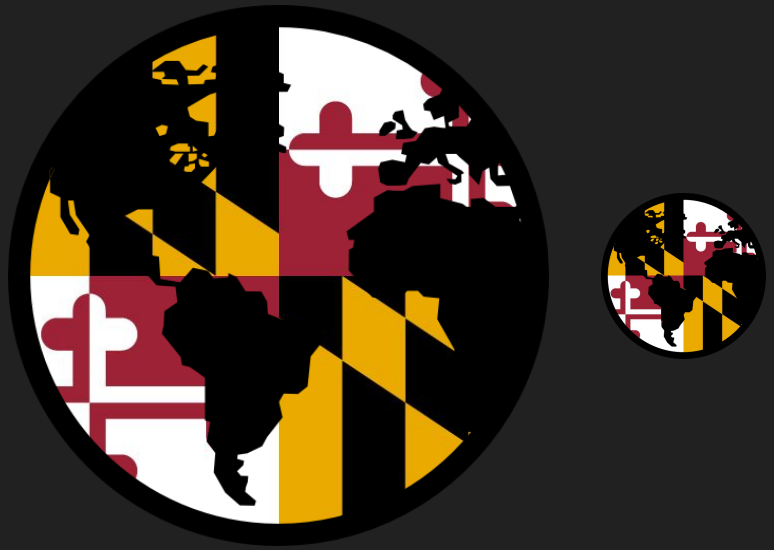


Global Classrooms

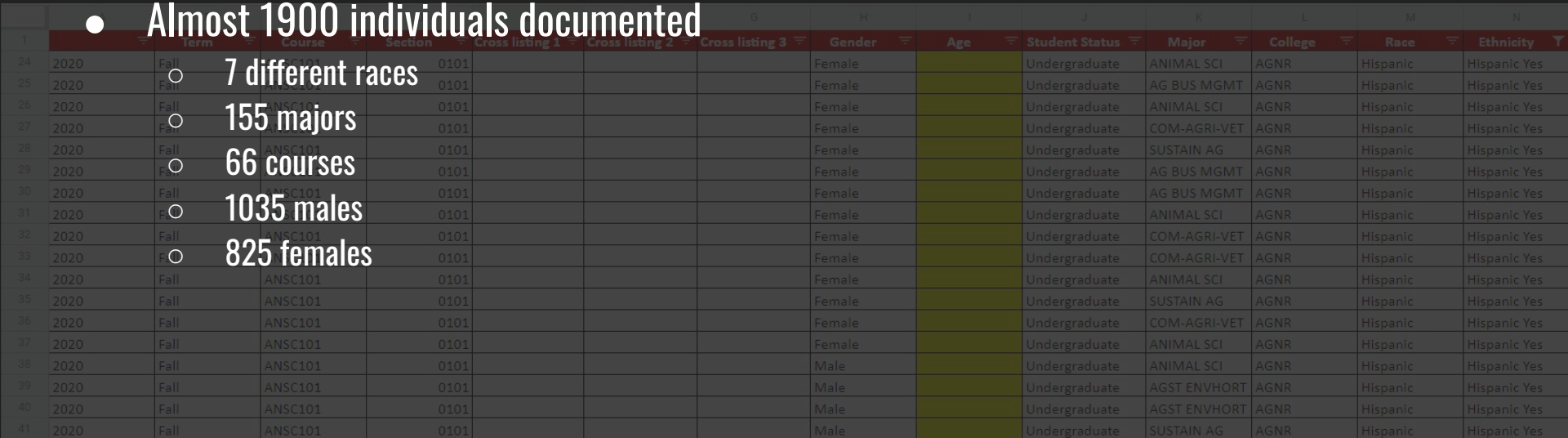
What is Global Classrooms?

- Innovative, flexible way for students to gain internationally diverse experiences
- 175 classroom and service locations worldwide
- Provides an online environment that seeks to overcome traditional classroom boundaries

Let’s Take a Look at the Data...

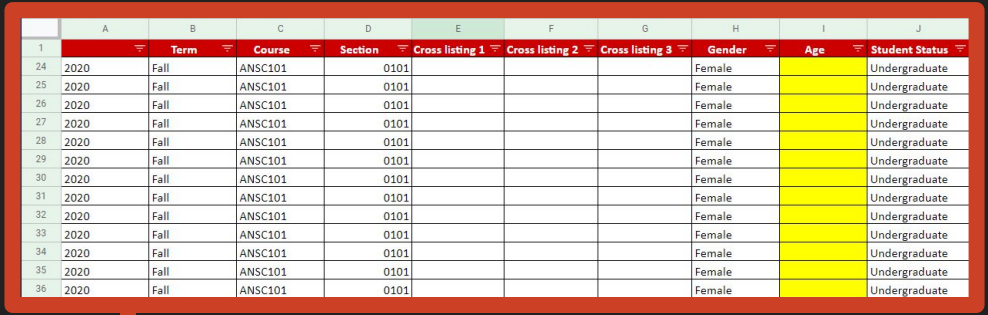
First Glance at the Data

- The rows in the data set are broken up by individual
- Each row contains information on the student's ***gender***, ***age***, ***race***, ***ethnicity***, ***year***, and the ***course*** they are enrolled in
- Almost 1900 individuals documented
  - 7 different races
  - 155 majors
  - 66 courses
  - 1035 males
  - 825 females



	Term	Course	Section	Cross listing 1	Cross listing 2	Cross listing 3	Gender	Age	Student Status	Major	College	Race	Ethnicity
24	2020	Fall	0101				Female		Undergraduate	ANIMAL SCI	AGNR	Hispanic	Hispanic Yes
25	2020	Fall	0101				Female		Undergraduate	AG BUS MGMT	AGNR	Hispanic	Hispanic Yes
26	2020	Fall	0101				Female		Undergraduate	ANIMAL SCI	AGNR	Hispanic	Hispanic Yes
27	2020	Fall	0101				Female		Undergraduate	COM-AGRI-VET	AGNR	Hispanic	Hispanic Yes
28	2020	Fall	0101				Female		Undergraduate	SUSTAIN AG	AGNR	Hispanic	Hispanic Yes
29	2020	Fall	0101				Female		Undergraduate	AG BUS MGMT	AGNR	Hispanic	Hispanic Yes
30	2020	Fall	0101				Female		Undergraduate	AG BUS MGMT	AGNR	Hispanic	Hispanic Yes
31	2020	Fall	0101				Female		Undergraduate	ANIMAL SCI	AGNR	Hispanic	Hispanic Yes
32	2020	Fall	0101				Female		Undergraduate	COM-AGRI-VET	AGNR	Hispanic	Hispanic Yes
33	2020	Fall	0101				Female		Undergraduate	COM-AGRI-VET	AGNR	Hispanic	Hispanic Yes
34	2020	Fall	ANSC101	0101			Female		Undergraduate	ANIMAL SCI	AGNR	Hispanic	Hispanic Yes
35	2020	Fall	ANSC101	0101			Female		Undergraduate	SUSTAIN AG	AGNR	Hispanic	Hispanic Yes
36	2020	Fall	ANSC101	0101			Female		Undergraduate	COM-AGRI-VET	AGNR	Hispanic	Hispanic Yes
37	2020	Fall	ANSC101	0101			Female		Undergraduate	ANIMAL SCI	AGNR	Hispanic	Hispanic Yes
38	2020	Fall	ANSC101	0101			Male		Undergraduate	ANIMAL SCI	AGNR	Hispanic	Hispanic Yes
39	2020	Fall	ANSC101	0101			Male		Undergraduate	AGST ENVHORT	AGNR	Hispanic	Hispanic Yes
40	2020	Fall	ANSC101	0101			Male		Undergraduate	AGST ENVHORT	AGNR	Hispanic	Hispanic Yes
41	2020	Fall	ANSC101	0101			Male		Undergraduate	SUSTAIN AG	AGNR	Hispanic	Hispanic Yes

Massage the Data



	A	B	C	D	E	F	G	H	I	J
1		Term	Course	Section	Cross listing 1	Cross listing 2	Cross listing 3	Gender	Age	Student Status
24	2020	Fall	ANSC101	0101				Female		Undergraduate
25	2020	Fall	ANSC101	0101				Female		Undergraduate
26	2020	Fall	ANSC101	0101				Female		Undergraduate
27	2020	Fall	ANSC101	0101				Female		Undergraduate
28	2020	Fall	ANSC101	0101				Female		Undergraduate
29	2020	Fall	ANSC101	0101				Female		Undergraduate
30	2020	Fall	ANSC101	0101				Female		Undergraduate
31	2020	Fall	ANSC101	0101				Female		Undergraduate
32	2020	Fall	ANSC101	0101				Female		Undergraduate
33	2020	Fall	ANSC101	0101				Female		Undergraduate
34	2020	Fall	ANSC101	0101				Female		Undergraduate
35	2020	Fall	ANSC101	0101				Female		Undergraduate
36	2020	Fall	ANSC101	0101				Female		Undergraduate

```
a = pd.read_excel('Data_OIA.xlsx', sheet_name = [0,1,2,3,4,5,6,7])

final = data[0]
n = 1
while n <= 7:
    current = data[n]
    want = current[1:]
    frames = [final, want]
    final = pd.concat(frames)
    n+=1


csv('gclass.csv')
```

```
,Year,Term,Course,Section,Cross listing 1,Cross listing 2,Cross listing 3,Gender,Age,
0,2020,Fall,ANSC101,0101,,,,Female,,Undergraduate,ANIMAL SCI,AGNR,Asian,Hispanic No,,
1,2020,Fall,ANSC101,0101,,,,Female,,Undergraduate,ANIMAL SCI,AGNR,Asian,Hispanic No,,
2,2020,Fall,ANSC101,0101,,,,Female,,Undergraduate,ANIMAL SCI,AGNR,Asian,Hispanic No,,
3,2020,Fall,ANSC101,0101,,,,Female,,Undergraduate,ANIMAL SCI,AGNR,Asian,Hispanic No,,
4,2020,Fall,ANSC101,0101,,,,Female,,Undergraduate,ANIMAL SCI,AGNR,Asian,Hispanic No,,
5,2020,Fall,ANSC101,0101,,,,Male,,Undergraduate,AGST ENVHORT,AGNR,Asian,Hispanic No,,
6,2020,Fall,ANSC101,0101,,,,Male,,Undergraduate,ANIMAL SCI,AGNR,Asian,Hispanic No,,
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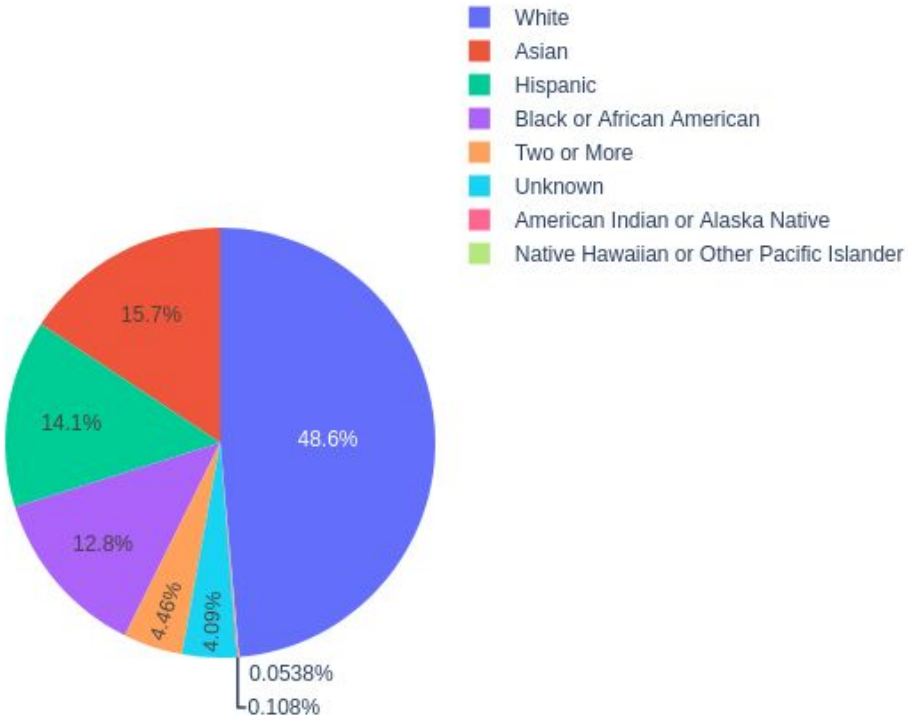
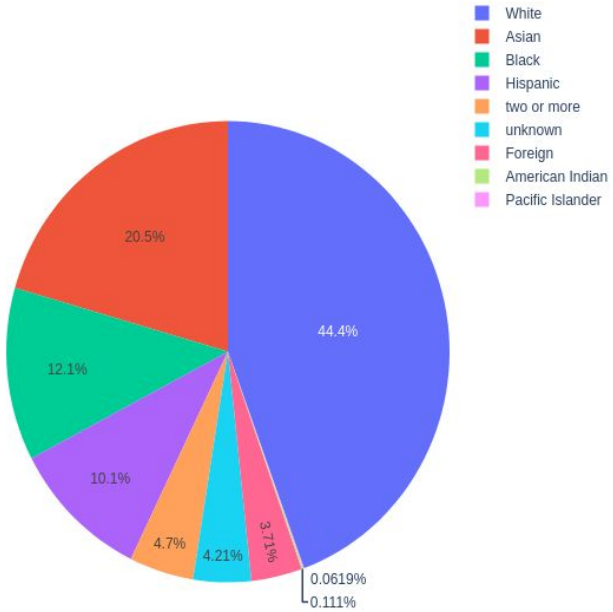
Global Classrooms Races



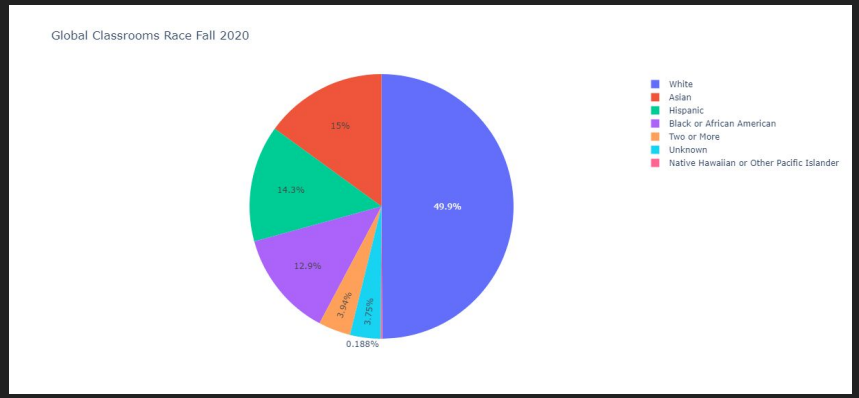
UMD Race Percentages

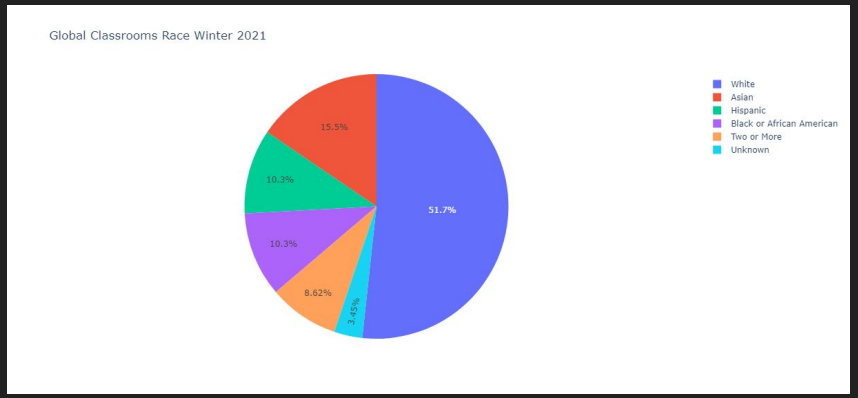


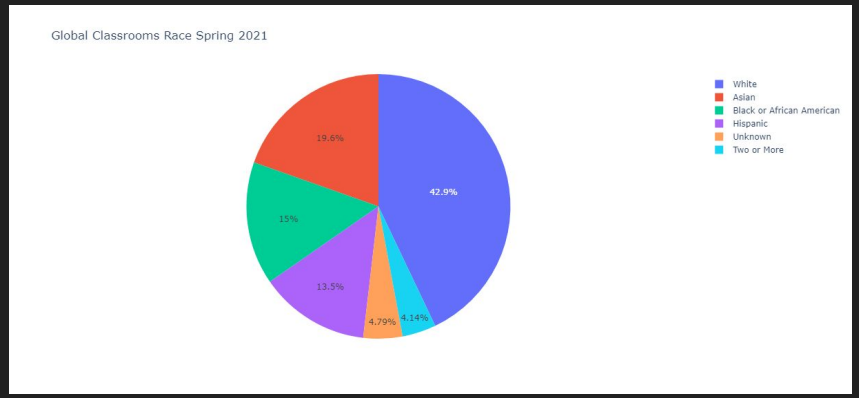
Analysis

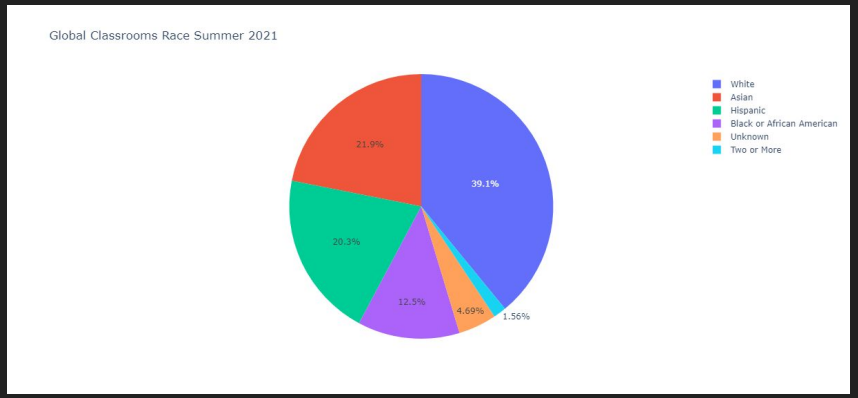
- UMD student body is closely mirrored (racially) from within Global Classrooms
- This view is a snapshot of current student body, and all 8 semesters of Global Classrooms Data provided

Race by Semester - 4 Semester Snapshot

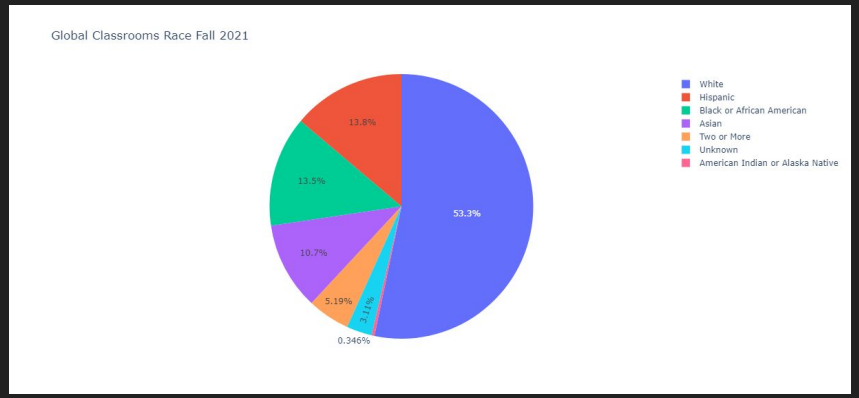


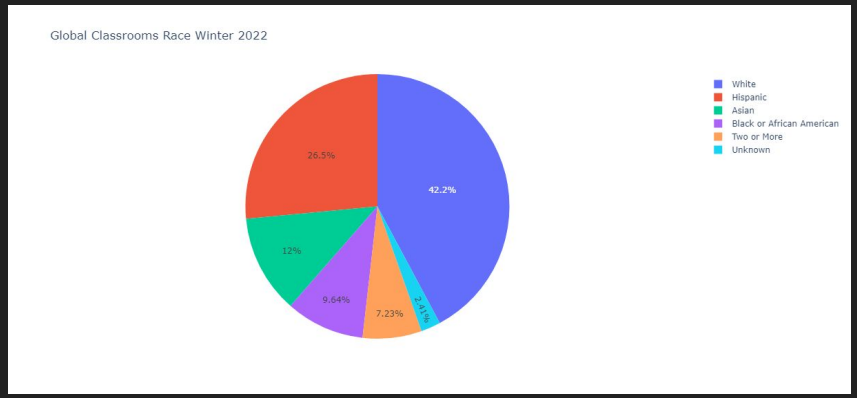


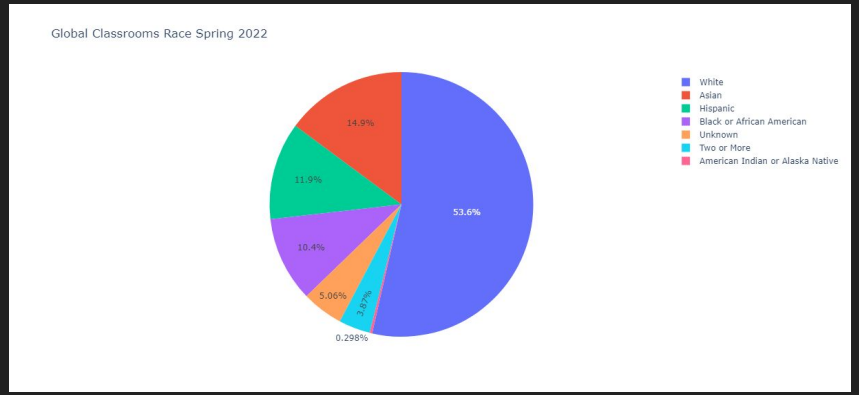


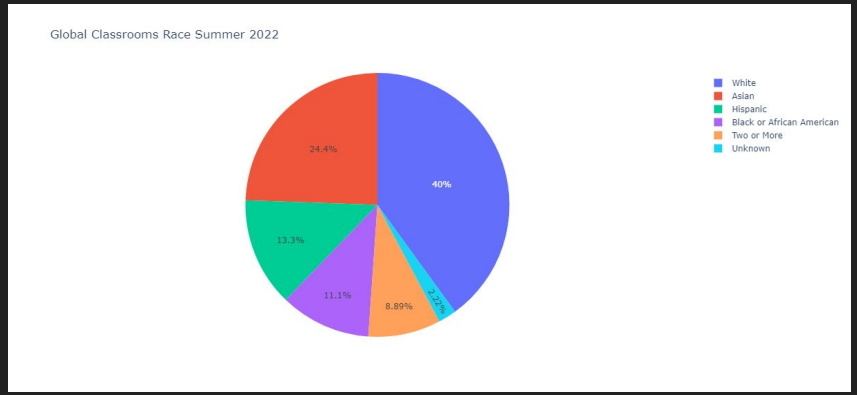


Race by Semester - 4 Semester Snapshot







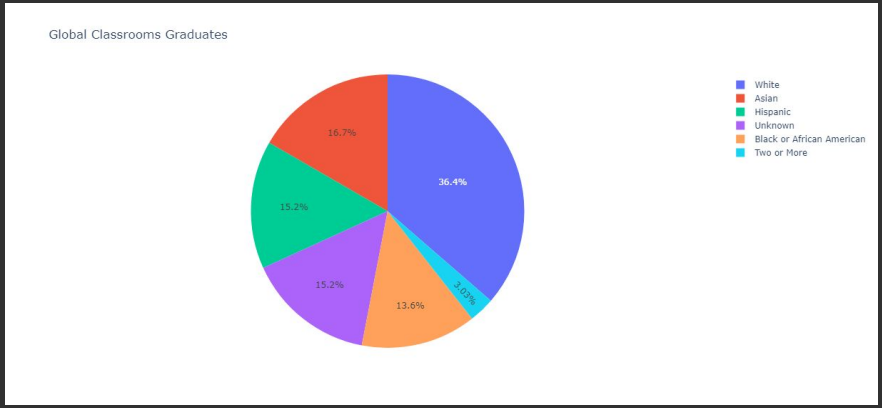


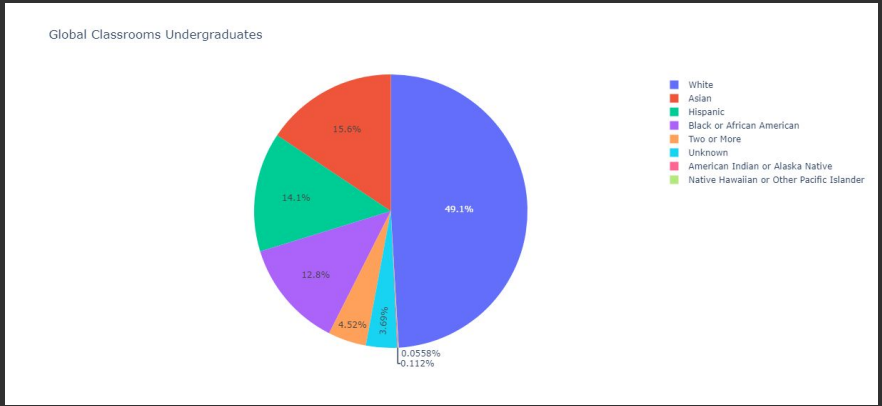
Analysis

- Per semester, no strong trends or discrepancies appear
- The racial makeup largely mimics that of the total student body of UMD, and of Global Classrooms

Graduates

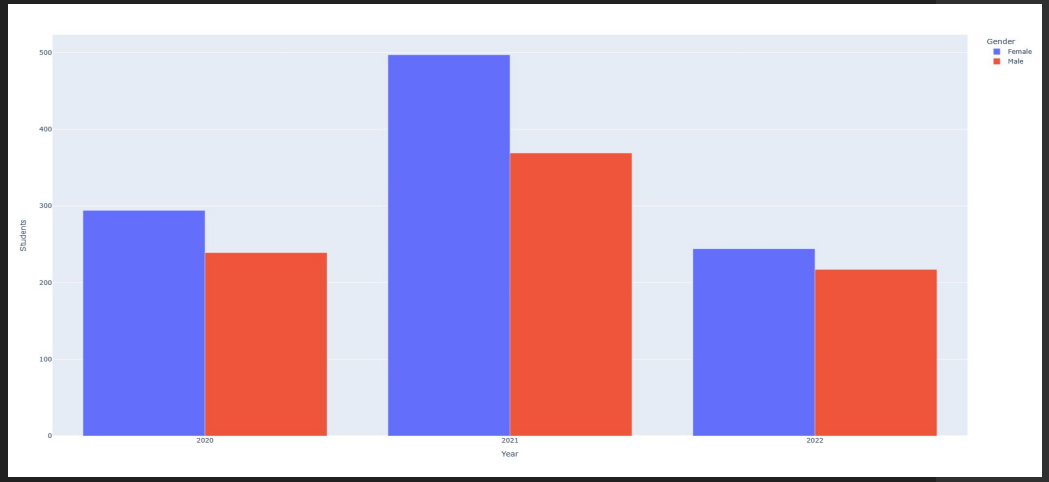
Undergraduates



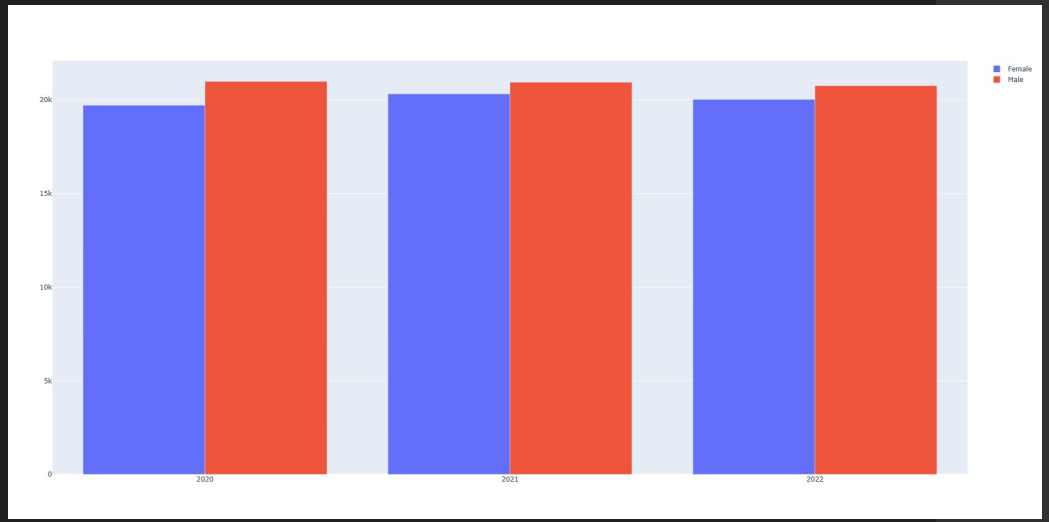


Gender

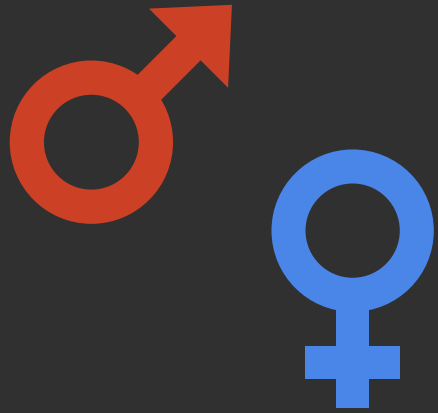
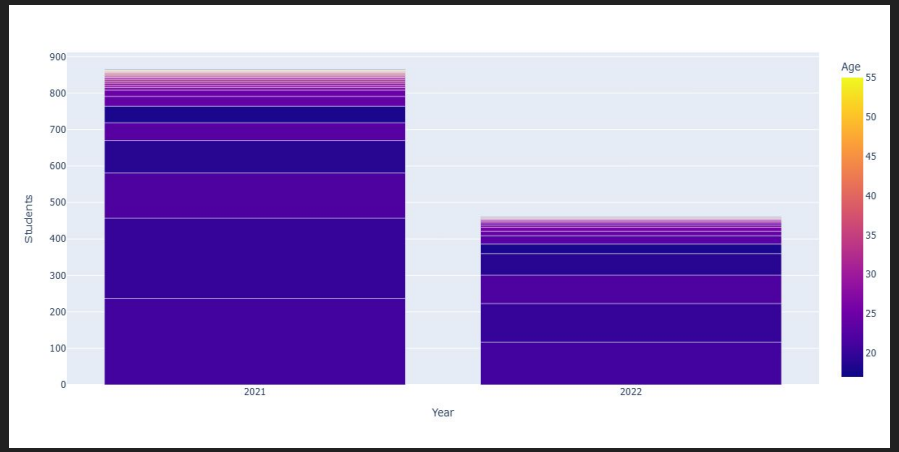
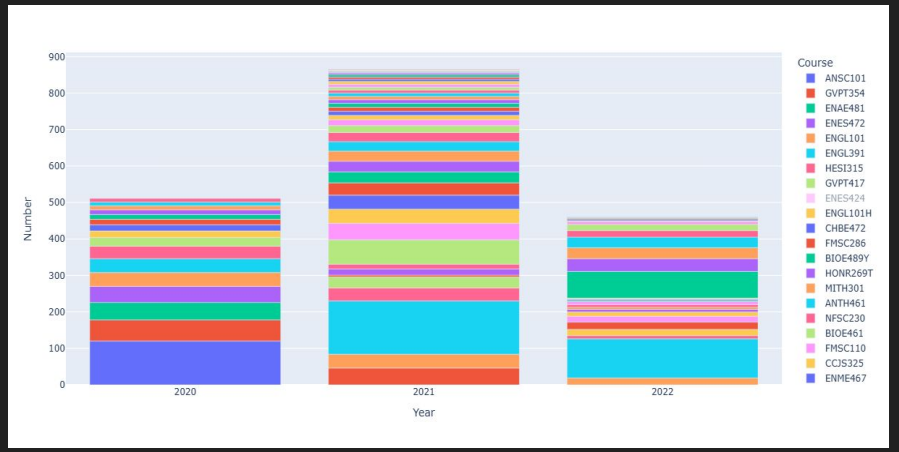
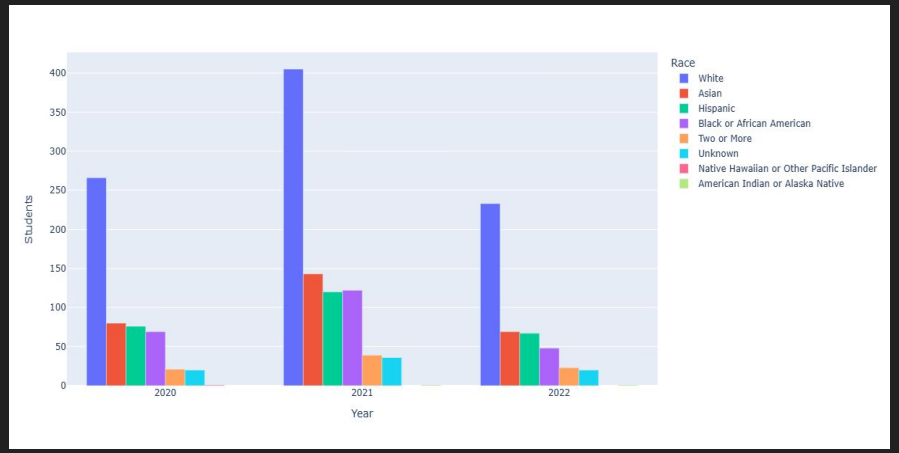
Per college



Global Classroom



UMD



Various Diversity Factors : Students per Year