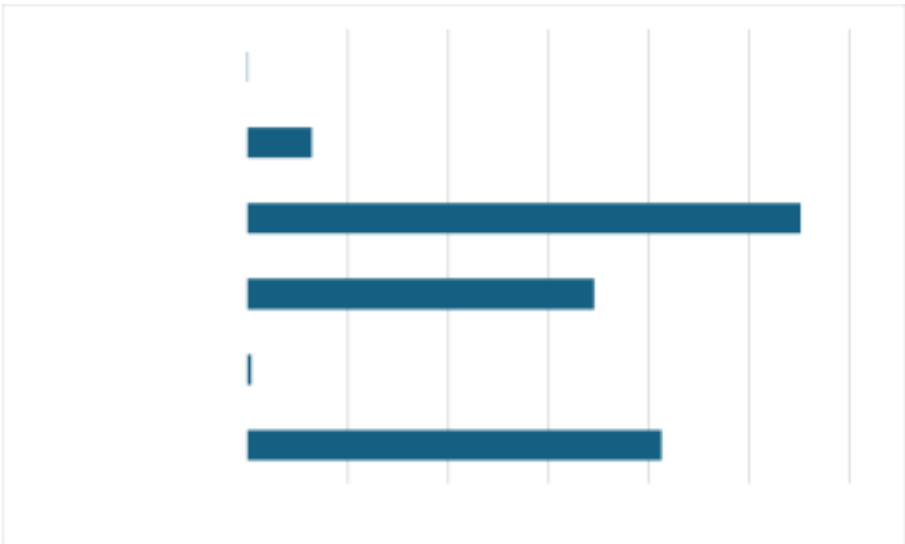


# Exploratory Data Analysis Report

In provided user data, using descriptive statistics for each categorical variables, following data was analysed.

## Gender and counts

Gender	Count of Gender
Don't want to specify	75
Female	6910
Male	11027
null	1282
Other	15
(blank)	8253
Grand Total	27562



## Count of users from each country

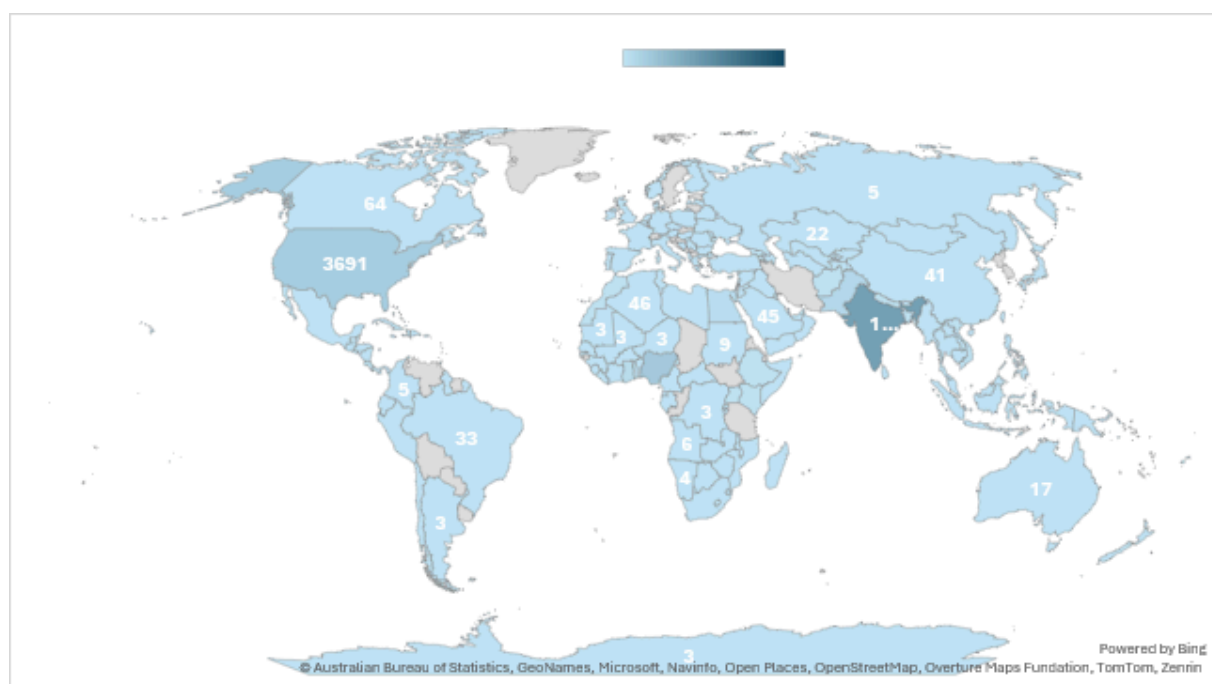
Country	Count of Country
Afghanistan	147
Aland Islands	52
Albania	36
Algeria	46
American Samoa	35
Andorra	2
Angola	6
Antarctica	3
Antigua and Barbuda	1
Argentina	3

Armenia	2
Aruba	2
Australia	17
Austria	3
Azerbaijan	10
Bahamas	2
Bahrain	1
Bangladesh	422
Barbados	1
Belarus	3
Belgium	10
Belize	4
Benin	6
Bhutan	8
Bolivia, Plurinational State of	2
Bosnia and Herzegovina	2
Botswana	8
Brazil	33
British Indian Ocean Territory	12
Bulgaria	1
Burkina Faso	3
Burundi	2
Cambodia	3
Cameroon	69
Canada	64
Cayman Islands	2
Central African Republic	1
Chile	3
China	41
Colombia	5
Comoros	1
Congo	3
Congo, The Democratic Republic of the Congo	5
Costa Rica	4
Cote d'Ivoire	7
Cuba	3
Cyprus	3
Czech Republic	1
Denmark	1
Dominican Republic	5
Ecuador	2
Egypt	897
El Salvador	1
Equatorial Guinea	2
Ethiopia	123
Falkland Islands (Malvinas)	2
Fiji	5

Finland	2
France	11
French Guiana	2
French Polynesia	1
Gabon	1
Gambia	9
Georgia	3
Germany	13
Ghana	1124
Greece	1
Guam	1
Guatemala	1
Guinea	3
Guyana	1
Haiti	9
Honduras	3
Hong Kong	2
Hungary	4
India	11893
Indonesia	54
Iran, Islamic Republic of Persian Gulf	26
Iraq	13
Ireland	6
Israel	1
Italy	7
Jamaica	9
Japan	7
Jordan	15
Kazakhstan	22
Kenya	302
Korea, Republic of South Korea	10
Kuwait	5
Kyrgyzstan	3
Laos	3
Latvia	1
Lebanon	17
Lesotho	7
Liberia	17
Libyan Arab Jamahiriya	12
Madagascar	7
Malawi	29
Malaysia	19
Maldives	1
Mali	3
Malta	1
Martinique	2
Mauritania	3

Mauritius	4
Mexico	14
Moldova	2
Mongolia	9
Morocco	107
Mozambique	5
Myanmar	15
Namibia	4
Nepal	193
Netherlands	6
New Zealand	1
Nicaragua	2
Niger	3
Nigeria	4357
Northern Mariana Islands	1
Norway	2
null	26
Oman	10
Pakistan	1928
Palestinian Territory, Occupied	4
Panama	2
Papua New Guinea	4
Peru	8
Philippines	80
Poland	12
Portugal	1
Puerto Rico	4
Qatar	9
Romania	5
Russia	5
Rwanda	50
Saint Lucia	1
Saudi Arabia	45
Senegal	3
Serbia	1
Sierra Leone	41
Singapore	8
Somalia	28
South Africa	75
Spain	14
Sri Lanka	78
Sudan	9
Swaziland	1
Syrian Arab Republic	4
Taiwan	7
Tajikistan	2
Tanzania, United Republic of Tanzania	55

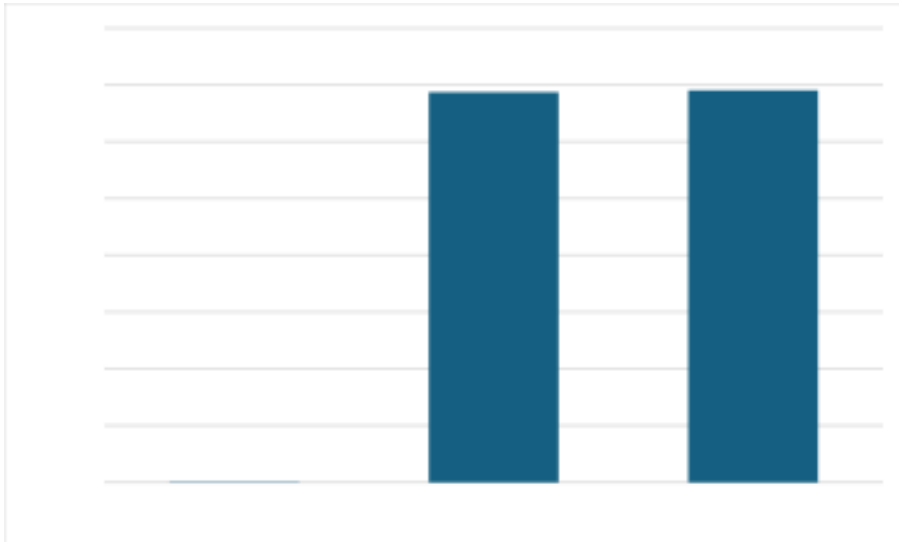
Thailand	5
Togo	9
Trinidad and Tobago	9
Tunisia	49
Turkey	33
Turkmenistan	1
Uganda	101
Ukraine	14
United Arab Emirates	83
United Kingdom	83
United States	3691
Uzbekistan	12
Venezuela, Bolivarian Republic of Venezuela	5
Vietnam	290
Virgin Islands, British	1
Virgin Islands, U.S.	1
Yemen	4
Zambia	39
Zimbabwe	27
(blank)	36
<b>Grand Total</b>	<b>27562</b>



## Count of users who are either from social media or not

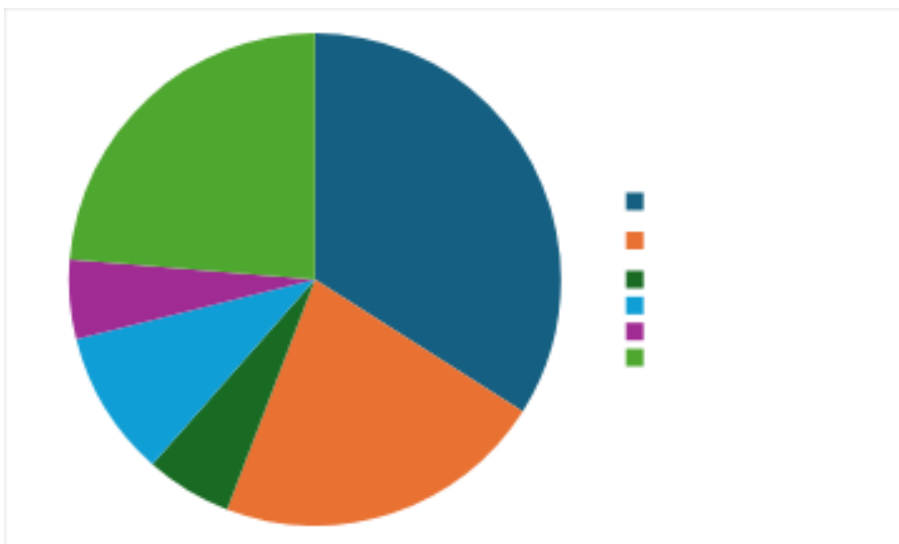
IsFromSocialMedia	Count of IsFromSocialMedia
FALSE	13742
TRUE	13811

(blank)	9
<b>Grand Total</b>	<b>27562</b>



### Count of users based on degree

Degree	Count of Degree
Graduate Program Student	6015
High School Student	1562
Not in Education	2646
null	1442
Undergraduate Student	6527
(blank)	9370
<b>Grand Total</b>	<b>27562</b>

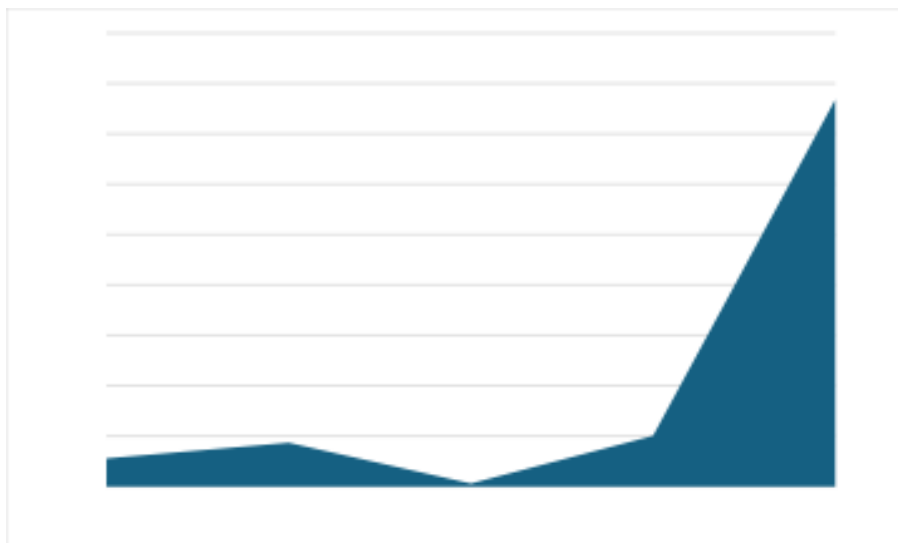


There were so much more ways data could be analysed but tabling and visualizing all the data based on all the categorical variables can be tiring and time taking so we decided to go with the main deciding categorical variables.

In our provided Opportunity wise data, following data was analysed

### Count of users per opportunity category

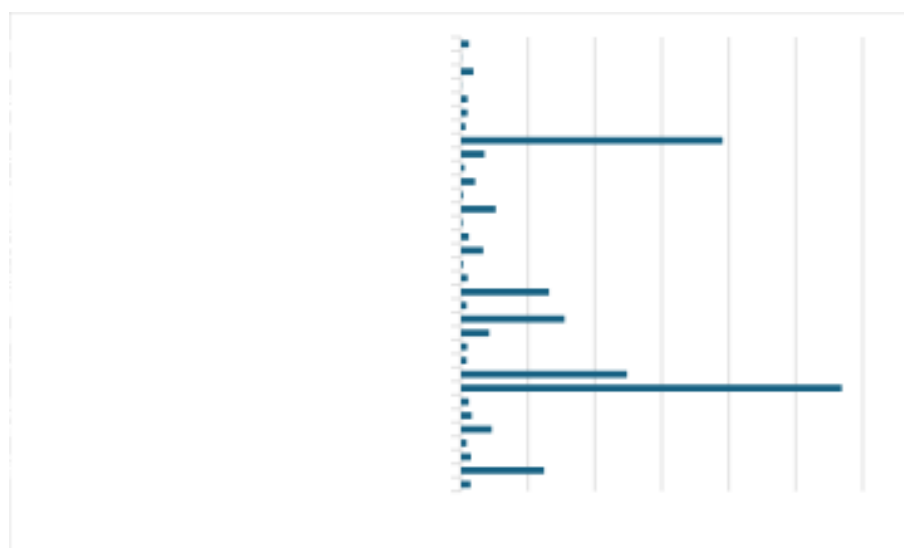
Opportunity Category	Count
Competition	1121
Course	1730
Engagement	104
Event	2007
Internship	15360
<b>Grand Total</b>	<b>20322</b>



### Count of users per opportunity

Opportunity Name	Count
AI Ethics Challenge	143
Career Essentials: Getting Started with Your Professional Journey	1241
Changemakers Challenge	150
Cook a Tale	85
CPR/AED Certification	460
Cracking the Interview Code Workshop	161
Crafting Your Personal Brand Workshop	117
Data Visualization	5687
Digital Marketing	2480
Digital Palette: A Global T-shirt Design Competition	85
Empowered: A Mindfulness and Emotional Intelligence Workshop	94
Epidemiology Training Internship	422

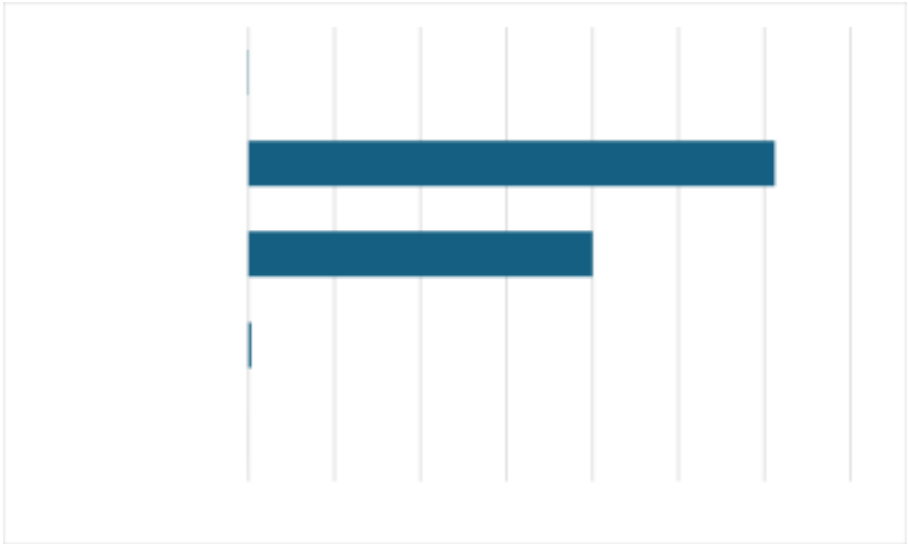
Health Care Management	1548
Info Innovators Challenge: An Infographic Design Contest	86
Innovation & Entrepreneurship	1315
Join a Student Organisation	100
Jump Start: Developing your Emotional Intelligence	29
Leadership Launchpad	332
Lens Masters: A Photography Contest	116
Life Beyond Saint Louis University's Campus	22
Linked Up: The LinkedIn Makeover Workshop	519
Mental and Physical Health Session	30
Mental Health First Aid Workshop	211
Million Dollar Idea	53
Money Matters: A Personal Finance Workshop	352
Project Management	3908
Resume Booster Workshop	66
Slide Geeks: A Presentation Design Competition	98
Startup Mastery Workshop	98
Statement of Purpose (SOP) Writing Workshop	5
The Brand Booster Challenge	186
Upload Your First Year Transcript	4
Verses: A Poetry Writing Competition	119
<b>Grand Total</b>	<b>20322</b>



## Count of users per gender

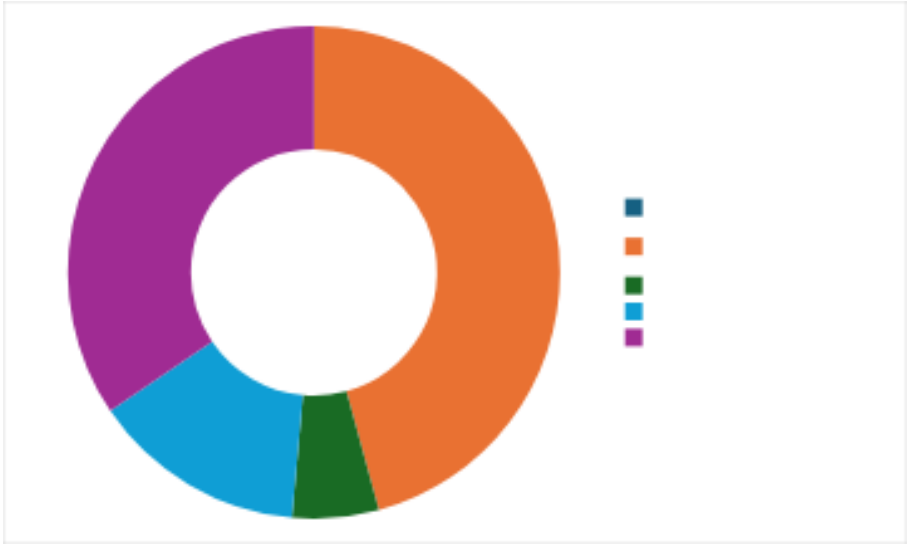
Gender	Count
Don't want to specify	63
Female	8004
Male	12240
Other	14
(blank)	1
<b>Grand Total</b>	<b>20322</b>





Count of users per their student status

Current student status	Count
Graduate Program Student	9297
High School Student	1153
Not in Education	2862
Undergraduate Student	7009
(blank)	1
Grand Total	20322

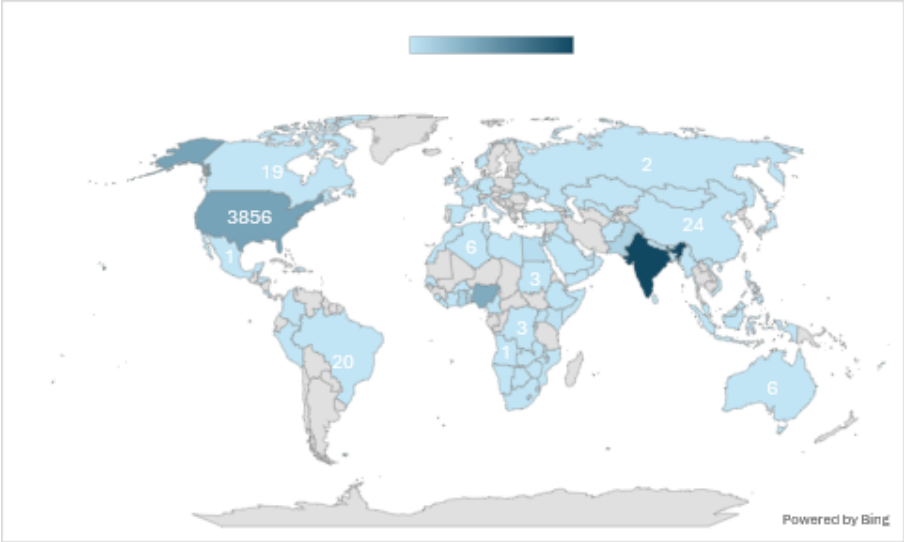


Count of Users per country

Country	Count
Afghanistan	21
Albania	1
Algeria	6
American Samoa	11

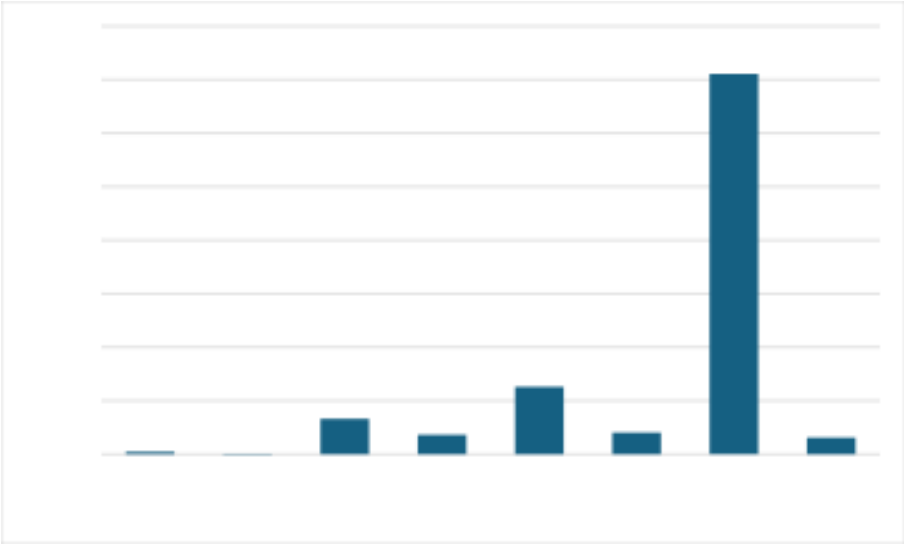
Andorra	1
Angola	1
Aruba	1
Australia	6
Azerbaijan	8
Bangladesh	145
Belarus	4
Belgium	3
Belize	1
Benin	2
Bhutan	1
Botswana	7
Brazil	20
British Indian Ocean Territory	13
Burkina Faso	1
Burundi	6
Cameroon	38
Canada	19
China	24
Colombia	2
Congo	3
Congo The Democratic Republic of the	
Congo	1
Congo, The Democratic Republic of the	
Congo	4
Costa Rica	1
Cote d'Ivoire	4
Dominican Republic	1
Egypt	444
Ethiopia	86
Falkland Islands (Malvinas)	1
Fiji	1
France	11
Gambia	7
Germany	10
Ghana	898
Guam	1
Haiti	7
Honduras	3
Hungary	2
India	9132
Indonesia	19
Iran Islamic Republic of Persian Gulf	12
Iran, Islamic Republic of Persian Gulf	11
Iraq	9
Ireland	4
Italy	1
Jamaica	1
Japan	10
Jordan	2
Kazakhstan	21
Kenya	155
Korea, Republic of South Korea	7
Kuwait	2
Lebanon	10
Lesotho	3

Liberia	9
Libyan Arab Jamahiriya	5
Malawi	7
Malaysia	6
Mauritius	4
Mexico	1
Mongolia	1
Morocco	40
Mozambique	2
Myanmar	4
Namibia	2
Nepal	113
Netherlands	1
Nigeria	3351
Norway	1
Oman	1
Pakistan	1053
Peru	3
Philippines	17
Qatar	5
Russia	2
Rwanda	41
Saint Lucia	1
Saudi Arabia	28
Senegal	1
Sierra Leone	24
Singapore	1
Somalia	10
South Africa	41
Spain	3
Sri Lanka	18
Sudan	3
Swaziland	1
Tanzania, United Republic of Tanzania	37
Togo	2
Trinidad and Tobago	4
Tunisia	14
Turkey	29
Uganda	55
Ukraine	10
United Arab Emirates	23
United Kingdom	45
United States	3856
Uzbekistan	3
Venezuela, Bolivarian Republic of	
Venezuela	2
Vietnam	176
Virgin Islands, U.S.	1
Yemen	1
Zambia	16
Zimbabwe	22
<b>Grand Total</b>	<b>20322</b>



Count of users per status descriptions

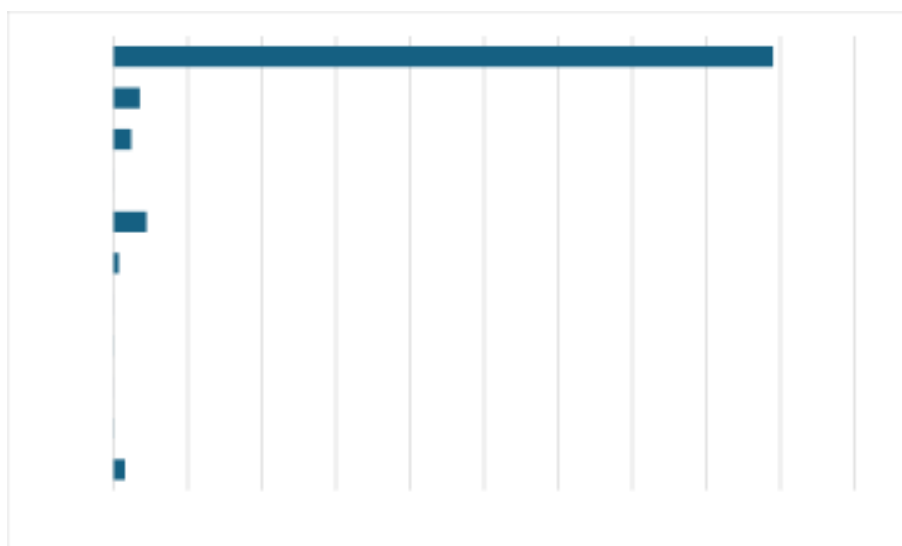
Status	
Description	Count
Applied	89
Dropped Out	24
Not Started	1324
Rejected	726
Rewards	
Award	2521
Started	810
Team	
Allocated	14206
Withdraw	622
Grand Total	20322



Count of users who earned following reward amounts

Reward	
Amount	Count
50	305

80	6
100	1
120	4
150	1
200	138
500	886
800	1
1000	473
2500	706
(blank)	17801
<b>Grand Total</b>	<b>20322</b>



## Count of users based on the skills earned

Skills Earned	Count
["Communication", "Critical Thinking", "Social Skills", "Career Readiness"]	16
["Communication", "Technology Literacy", "Initiative", "Productivity"]	37
["Creative Thinking", "Communication", "Information Literacy", "Technology Literacy", "Initiative", "College Readiness"]	14
["Creative Thinking", "Communication", "Technology Literacy", "Media Literacy"]	13
["Creative Thinking", "Critical Thinking", "Technology Literacy", "Media Literacy"]	9
["Creative Thinking", "Initiative", "Technology Literacy", "Collaboration"]	14
["Creative Thinking", "Technology Literacy", "Initiative", "Career Readiness"]	12
["Creative Thinking", "Technology Literacy", "Initiative", "Collaboration"]	2
["Critical Thinking", "Collaboration", "Communication", "Flexibility", "Initiative", "Social Skills"]	5
["Critical Thinking", "Collaboration", "Communication", "Information Literacy", "Technology Literacy"]	92
["Critical Thinking", "Communication", "Flexibility", "Leadership"]	4
["Critical Thinking", "Creative Thinking", "Collaboration", "Communication", "Flexibility", "Leadership"]	149
["Critical Thinking", "Creative Thinking", "Collaboration", "Communication", "Information Literacy", "Technology Literacy"]	1373
["Critical Thinking", "Creative Thinking", "Collaboration", "Communication", "Technology Literacy", "Flexibility"]	449
["Critical Thinking", "Creative Thinking", "Communication", "Career Readiness"]	1

["Critical Thinking","Creative Thinking","Communication","Information Literacy","Technology Literacy"]	9
["Critical Thinking","Creative Thinking","Communication","Technology Literacy","Initiative"]	113
["Critical Thinking","Creative Thinking","Communication","Technology Literacy"]	34
["Critical Thinking","Creative Thinking","Technology Literacy","Media Literacy"]	3
["Critical Thinking","Initiative","Communication","Leadership"]	16
["Critical Thinking","Initiative","Flexibility","Leadership"]	127
["Critical Thinking","Initiative","Leadership","Communication"]	3
["Leadership","Communication","Information Literacy","Initiative"]	17
["Technology Literacy","Flexibility","Information Literacy","Critical Thinking"]	9
(blank)	17801
<b>Grand Total</b>	<b>20322</b>

