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TA: Saloni Bhogale

ASSIGNMENT-1

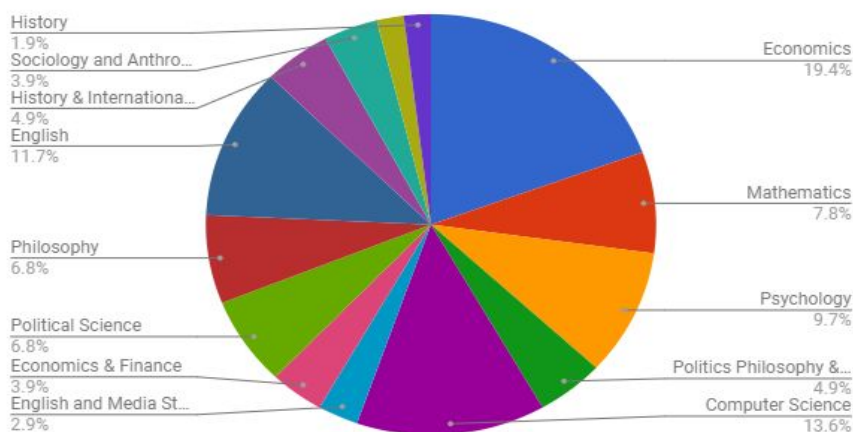
I wanted to work on a hyperlocal dataset and thus, decided to analyse what majors and subjects Ashokans across the different batches are preferring. To analyse the data, I fetched batch-wise list of student data which is freely accessible to Ashokans through the Learning Management System. Batch of 2020 has been excluded from this analysis as they are yet to declare their respective majors. To visualise the dataset, I used Google Sheets. I choose the Pie Chart form to represent the data as it seemed to be the most sophisticated option to visualise the result. Percentage wise pie-chart seemed a better option considering varying no. of students across batches. After some cleansing, here are a few of the insights that I found interesting:

Major Report :

To finish a Major in a subject, one needs to complete 12 courses in that subject.

UG 2014-17

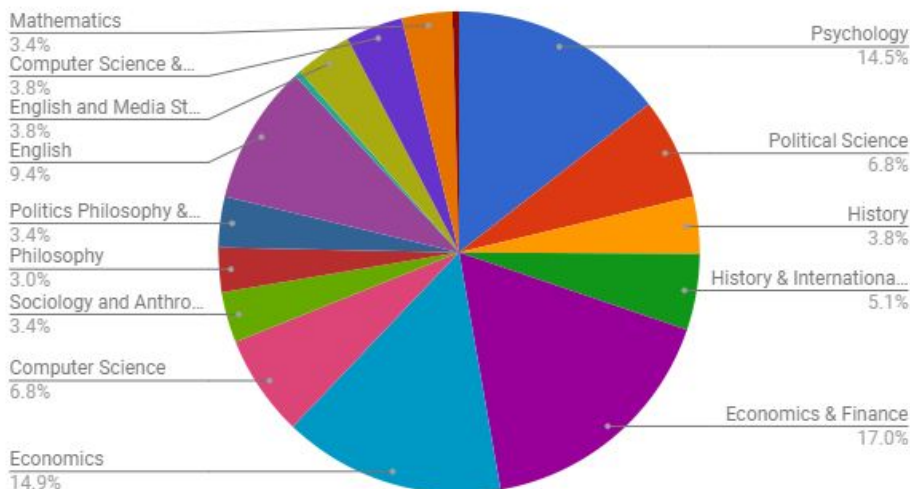
Count of Major



Among the 4th years, the most popular major is Economics Honors. Computer Science is a distant second.

UG 2015-18

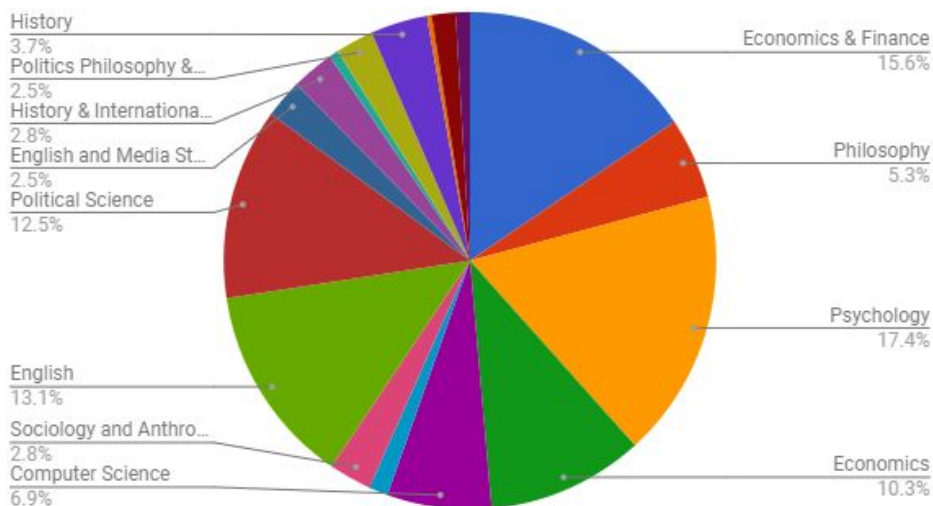
Count of Major



For the current 3rd years, who will be graduating this semester, Economics and Finance is the most popular major choice. In Fact, even the 2nd most popular major among 3rd years is Economics(Hons.) only, whereas Psychology is a close 3rd. Hence, the trend of the last batch continues.

UG 2016-19

Count of Major



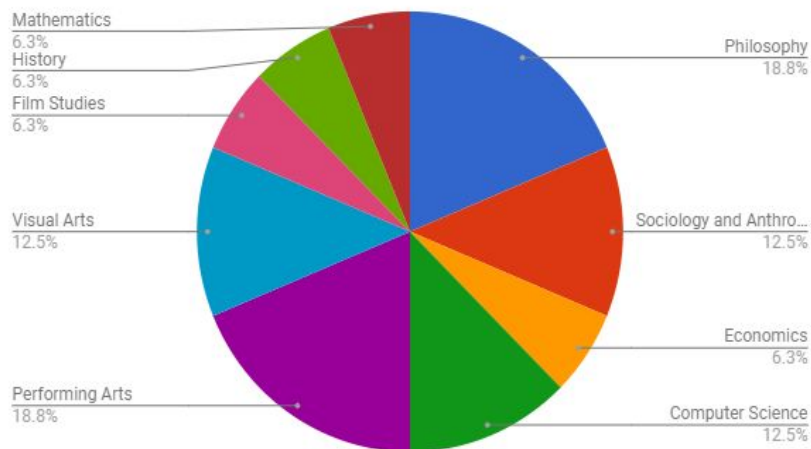
However, the trend of Economics being most popular changes for the 2nd years, with Psychology being the most popular major. Economics and Finance is a close 2nd. Surprisingly, English and Political Science are more popular among the 2nd years than Economics by a considerable margin, which is in contrast with insights we received from the previous two batches.

Minor Report:

To finish a Minor in some subject, one has to finish 6 courses in that subject.

UG 2014-17

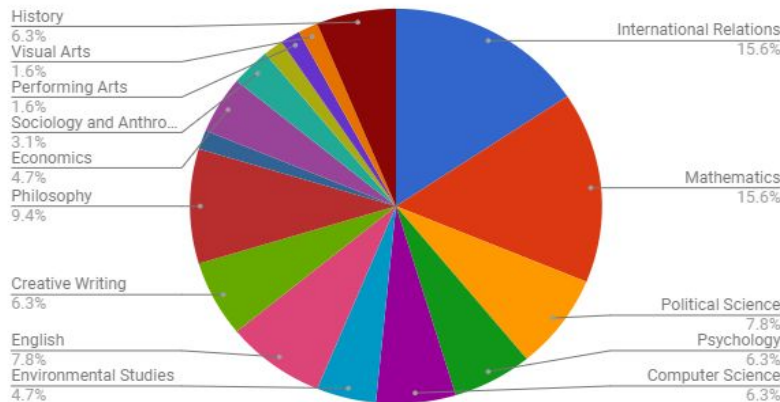
Count of Minor



For the 4th years, the most popular minors are Philosophy and Performing Arts. Computer Science and Sociology and Anthropology are 2nd most popular minors.

UG 2015-18

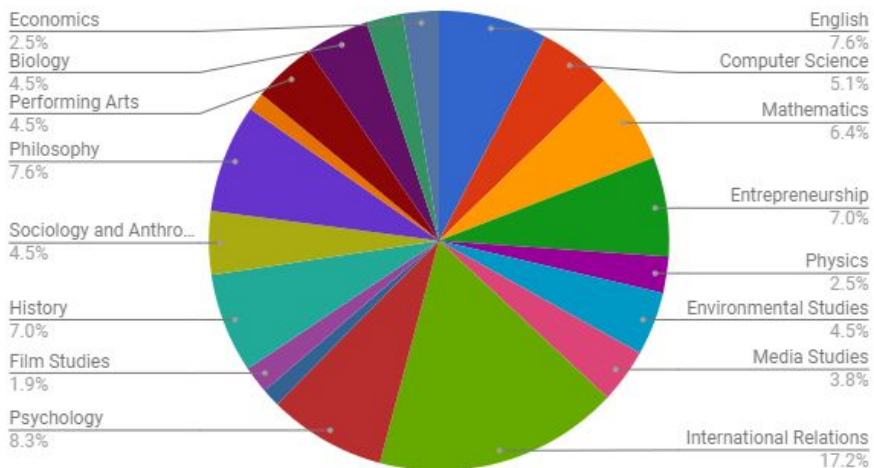
Count of Minor



Among the 3rd years, the most popular minors are International Relations and Mathematics, both of them equally popular.

UG 2016-19

Count of Minor



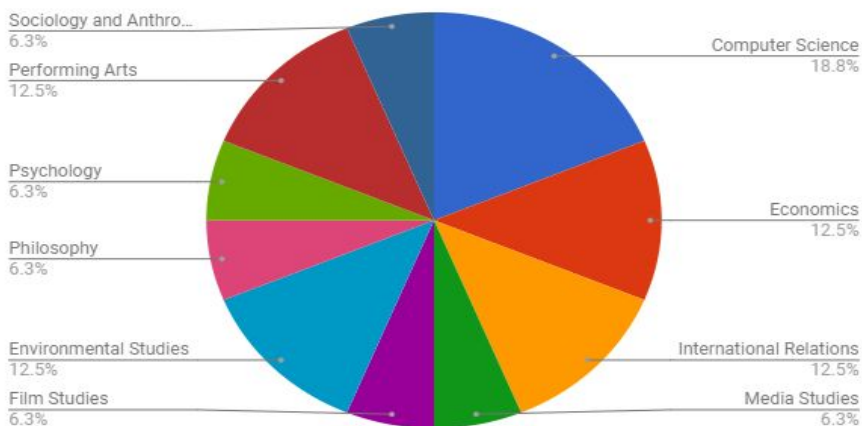
Among the 2nd years, the International Relation the most popular minor by a huge margin.

Concentration Report :

To finish a concentration in some subject, one needs to finish 4 courses of that subject.

UG 2014-17

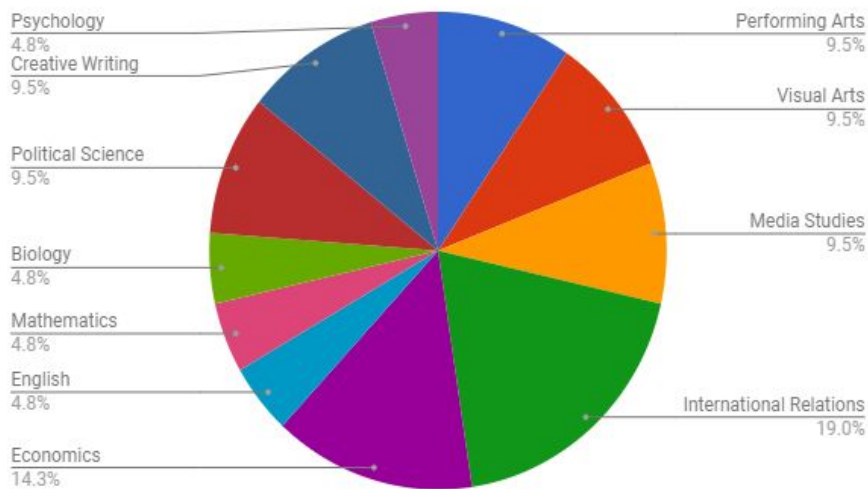
Count of Concentration



Computer Science is the most popular concentration among the 4th years. Followed by Economics, EVS and IR all of which are equally popular. CS and Economics are two of the most popular majors among the 4th years. This might be the reason that a large no. of students finished their concentrations in both of these subjects so as to try them.

UG 2015-18

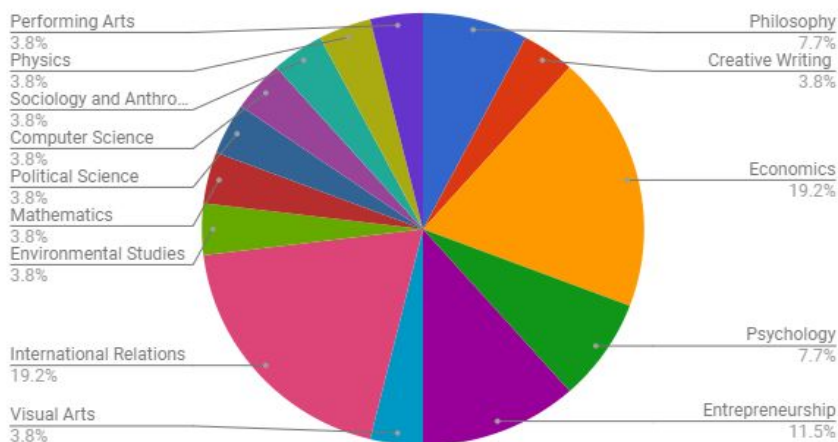
Count of Concentration



Among the 3rd years, IR is the most popular concentration. It is probably because of most of the IR courses being cross listed with Political Science and History. Hence, it is easier for students who are pursuing Political Science or History Major to opt for IR courses and finish a 4-course concentrations.

UG 2016-19

Count of Concentration



Among the 2nd years, IR and Economics are the most popular concentrations, followed by Entrepreneurship. IR, probably for the same reason as of 3rd years, is the most sought concentration. A lot of 2nd years, who came in as Economics major, changed their Major after doing 2-3 courses in Economics due to the rigorous and math-intensive curriculum. Hence, doing 1-2 extra course to just finish a concentration in Economics would have seemed to be an easier option. Entrepreneurship has gained some momentum in last couple of years because of

the events and activities organized by Centre for Entrepreneurship at Ashoka. Hence, lots of students are opting for Entrepreneurship.

CGPA of Ashokans :

To analyse the CGPA of students of Ashoka, I used an existing dataset. Sk Zafar Ali, one of my batchmates, collected this data as a part of his project for 'Statistics and Research Methodology' course. The dataset contains of 73 entries. I didn't use any visualisation tool for calculating average CGPA. Here's the link to the refined dataset that I received from him : [Link 1](#)

The result are as following:

- Average CGPA of Ashokans according to the above dataset is **3.45/4.0**
- The result seems to be highly inflated, considering the Dean's List CGPA starts from **3.50**
- Mode-wise **3.3** CGPA has the highest frequency.