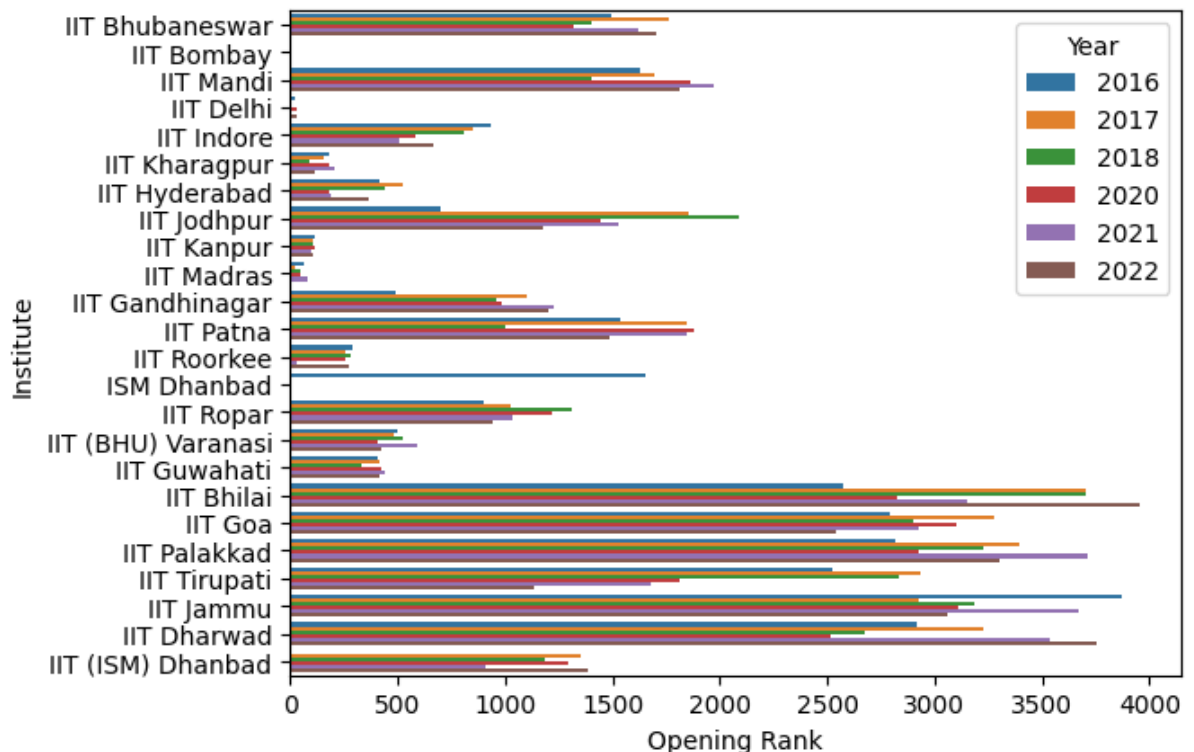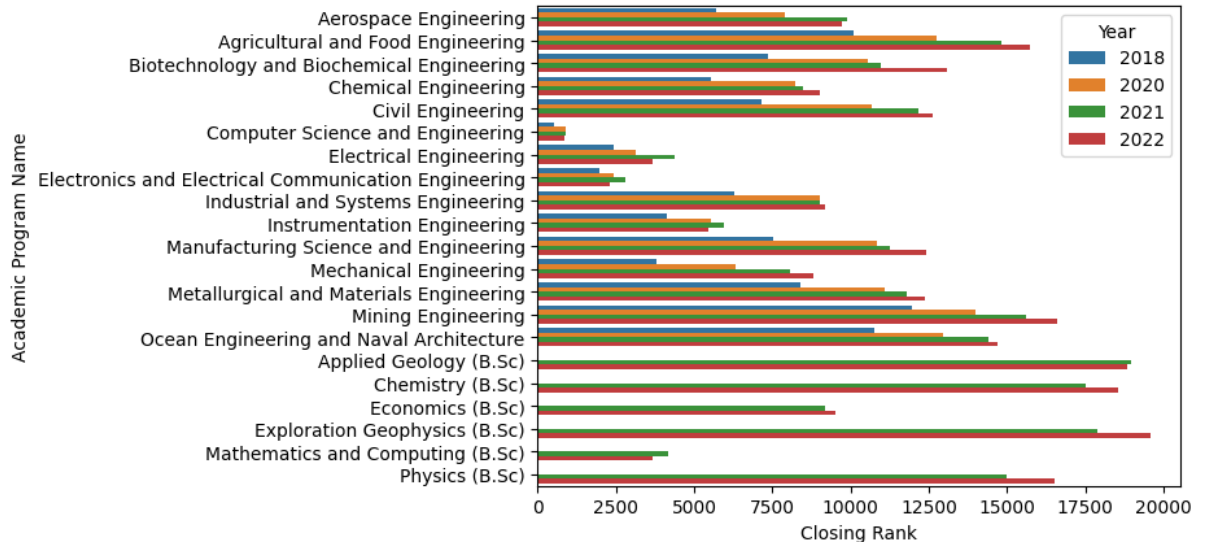# QnA related to JOSSA Project:

- **Which branch is getting more popular?**
  - CSE

- **What is the flow of students among IITs in years?**
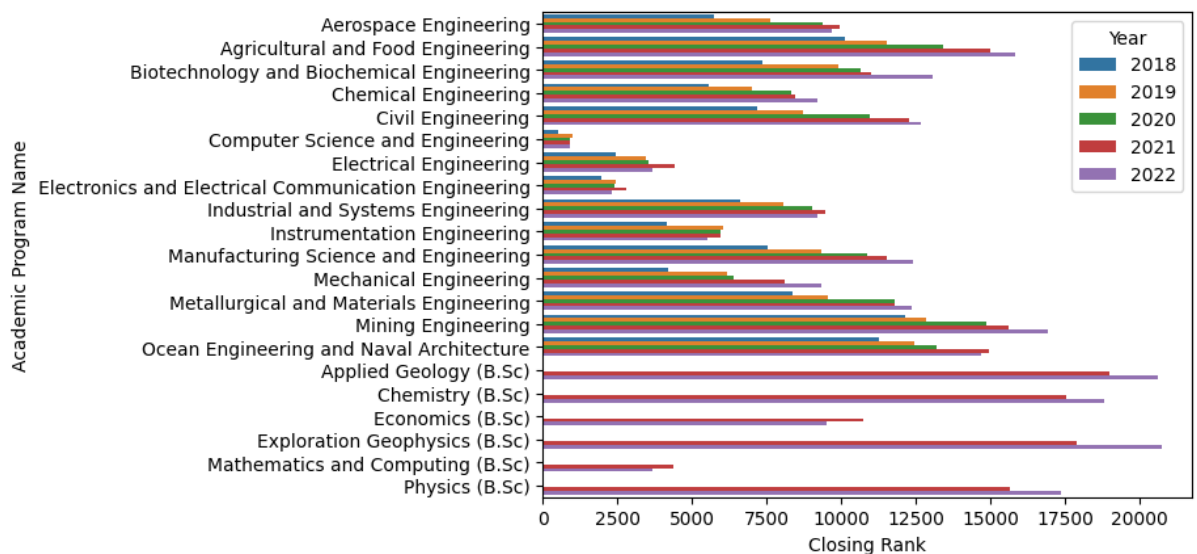

  -
  - Data for *general-R1-openingRank-Male-CSE*

- **Gender wise branch popularity among IITs**
  -

- **How does the popularity of core engineering branches (e.g., Mechanical, Electrical, Civil) compare to emerging interdisciplinary branches (e.g., Artificial Intelligence, Data Science) across all IITs?**
  - Yeh excel me zyada achhe se ho paega
  - Python me multiple sorting filter nahi aata mujhe aur hardcode karunga toh bohit lamba jaega

- **Among the IITs, which branch exhibits the highest gender diversity?**
  - All have same ratio, male:female::5:1

- **Which branches have seen the most significant fluctuations in popularity over the past three years?**
  - EP, Biotech
  - And some newly introduced branches eg) Applied Geology
  - +ve fluctuation observed mainly

- **Is there a correlation between the rank of a candidate and their preferred branch?(correlation matrix)**
  - Yes,
  - *Not using corr() matrix*
  - Data for *general-R1-openingRank-Male-Kgp-2022*

- **Are there any branches that have seen a decline in popularity among female candidates specifically? (line charts maybe showing the trend of preferences)**
  - Instrumentation Engg

  - Data for *general-female-closingRank-B.Tech-R1-Kgp*

  - Data for *general-female-closingRank-B.Tech-R5-Kgp*
  - Also from the graph, there is a decrease in closing rank of EE and ECE.

- **Have there been any significant changes in branch preferences following the introduction of new IITs in recent years?**
  - Can't show since new IITs have been introduced in 2012-16, and we don't have data before that

- **Are there any branches that show a clear correlation with the socio-economic background of the candidates? (correlation matrix)**
  - No

- **How does the popularity of branches vary among different categories (General, OBC, SC, ST, etc.) of candidates in IITs? (bar chart or stacked bar chart showing the distribution of branch preferences across different categories)**
  - Ratio is fixed by reservation