Research Questions

1. How do people with disability sentiment towards a new product launch?
2. How does the product identify young adults to prevent providing them with adult information?
3. Will the product benefit the user?
4. What is the rate of diversity in the product?

 Data Collection Plan

- API: Reddit API with PRAW
- Subreddits/Keywords/Threads: `disabled`, `disability`, `teenagers`, `youngadults`, `gadgets`, `technology`, `productreviews`, `diversity`, `inclusion`, `equality`

Graphs

Sentiment Over Time:
  - Research Question: How does people with disability sentiment towards a new product launch?
  - Description: This line graph will display the change in sentiment towards the new product launch over time, specifically focusing on discussions from subreddits like `disabled` and `Disability`. The x-axis will represent time, while the y-axis will show average sentiment scores calculated from posts mentioning the new product launch. This will help visualize trends and changes in sentiment among people with disabilities over a period.

Sentiment Intensity:
  - Research Questions: How does the product identify young adults to prevent providing them with adult information? Will the product benefit the user?
  - Description: This histogram will show the distribution of sentiment scores from posts in subreddits such as `teenagers`, `youngadults`, `gadgets`, `technology`, and `ProductReviews`. It will highlight the frequency of positive, neutral, and negative sentiments. The x-axis will represent sentiment score ranges (e.g., from -1 to 1), and the y-axis will show the frequency of these scores. This graph will help assess how young adults and general users perceive the product's features and benefits.

Volume of Posts:
  - Research Question: What is the rate of diversity in the product?
  - Description: This bar graph will represent the number of posts related to the product over time from subreddits like `diversity`, `inclusion`, and `equality`. The x-axis will denote time, and the y-axis will indicate the volume of posts. This graph will track the level of engagement and interest in discussions about the product's diversity and inclusion aspects, providing insights into the community's focus and concerns over different periods.