Week 4 - Biokind

1. Added Population, Density, Metro Code and PerCapitaPersonalIncome (by Zipcode) to main df. You can find this df under Week 4 - final_metro_income_df.csv.

Instructions -

Assignee	Objective	Reason
Armaan	Plot a correlation matrix of 'Donation Type', 'Engagement Type', 'Population', 'Density', 'PerCapitaPersonalIncome', 'RUCC_2023', after using one hot encoding 'Donation Type', 'Engagement Type' . (pd.get_dummies, Seaborn to plot). Upload the image of the correlation matrix and code.	To find correlation between these metrics and Low/High Donation/Engagement
Alysia	Find other zip codes that aren't in results_df that have approximately the same per capita personal income as 'High Donation' under 'Donation Type' Zip codes. (You can choose the upper and lower bounds. For eg. if the mean PerCapitaPersonalIncome is around 63,000, find other Zip Codes that have around 60,000 to 65,000 PerCapitaPersonalIncome). Get all zip codes data in: metro_income_df.csv. Filter out records in results_df with 'High Donation'. Get Mean of PerCapitaPersonalIncome. Find Zip codes that have about the same PerCapitaPersonalIncome. Upload csv of zip code and PerCapitaPersonalIncome and code.	Find other Zip codes that aren't already in the donor data that may be a possible target in the future, based on per capita personal income.
Rikhil	From Zip Codes that are labelled 'High Donation', get the frequencies of 'RUCC_2023' codes. For example, (hypothetical) among Zip codes with 'High Donation' , there are 40 zip codes that fall under RUCC_2023 code - 3. Pick the 2 top occurring codes and find other Zip codes that aren't in results_df that have the same codes. Get this data from: Get all zip codes data in: metro_income_df.csv.	Find other Zip codes that aren't already in the donor data that may be a possible target in the future, based on metro or non metro.

Assignee	Objective	Reason
	Filter out records in results_df with 'High Donation'. Get counts of zip code grouped by 'RUCC_2023'. Find the top 2. Get all Zip codes that have the same RUCC code. Upload csv of zip code and RUCC_2023 code and python code.	