**GUVI Task 5:**

Two input CSV files are following:

1. takehome\_user\_engagement.csv
2. takehome\_users.csv

**takehome\_user\_engagement.csv** file’s columns are

**time\_stamp**, **user\_id**, **visited**

**takehome\_users.csv** file’s columns are

**object\_id, creation\_time, name, email, creation\_source, last\_session\_creation\_time, opted\_in\_to\_mailing\_list, enabled\_for\_marketing\_drip, org\_id, invited\_by\_user\_id**

**● name: the user's name**

**● object\_id: the user's id**

**● email: email address**

**● creation\_source: how their account was created. This takes on one of 5 values:**

**○ PERSONAL\_PROJECTS: invited to join another user's**

**personal workspace**

**○ GUEST\_INVITE: invited to an organization as a guest**

**(limited permissions)**

**○ ORG\_INVITE: invited to an organization (as a full member)**

**○ SIGNUP: signed up via the website**

**○ SIGNUP\_GOOGLE\_AUTH: signed up using Google**

**Authentication (using a Google email account for their login**

**id)**

**● creation\_time: when they created their account**

**● last\_session\_creation\_time: unix timestamp of last login**

**● opted\_in\_to\_mailing\_list: whether they have opted into receiving**

**marketing emails**

**● enabled\_for\_marketing\_drip: whether they are on the regular**

**marketing email drip**

**● org\_id: the organization (group of users) they belong to**

**● invited\_by\_user\_id: which user invited them to join (if applicable)**

For more graphical understanding see the **.ipynb** file.