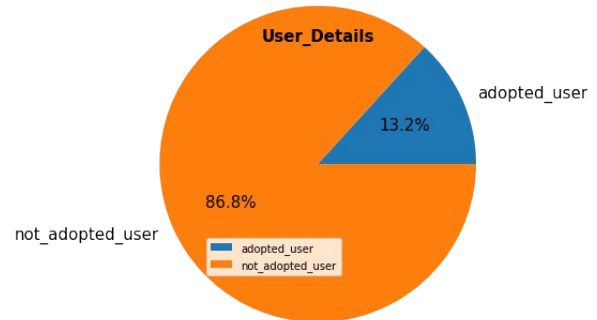


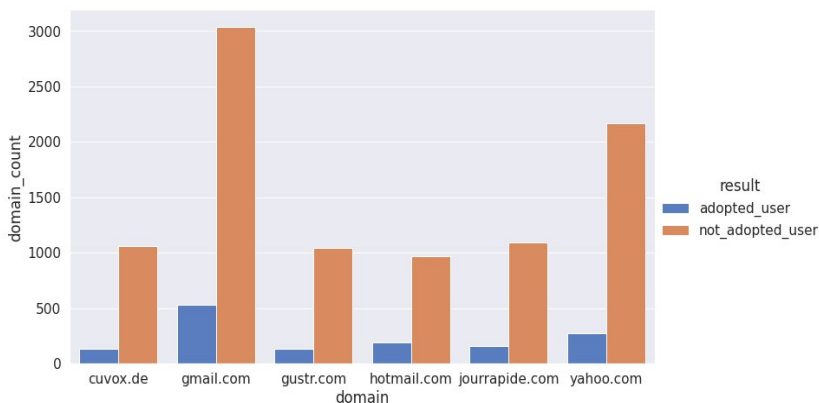
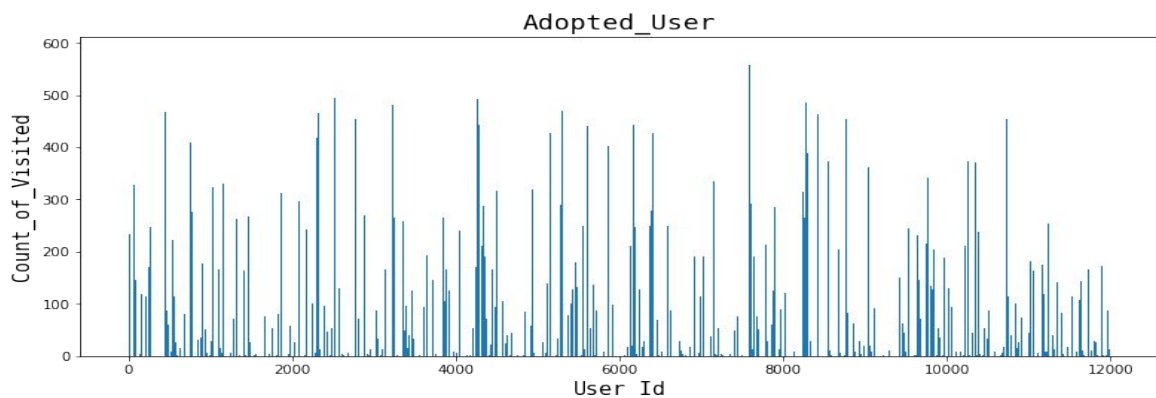
## Adoption User Analysis

In this analysis we used two csv files takehome\_users.csv and takehome\_user\_engagement.csv .I calculated how much of adoption and non adoption use we have , so 13.2% adoption user and 86.8% non adoption user and i think it has bot users so we have to identify and remove it.



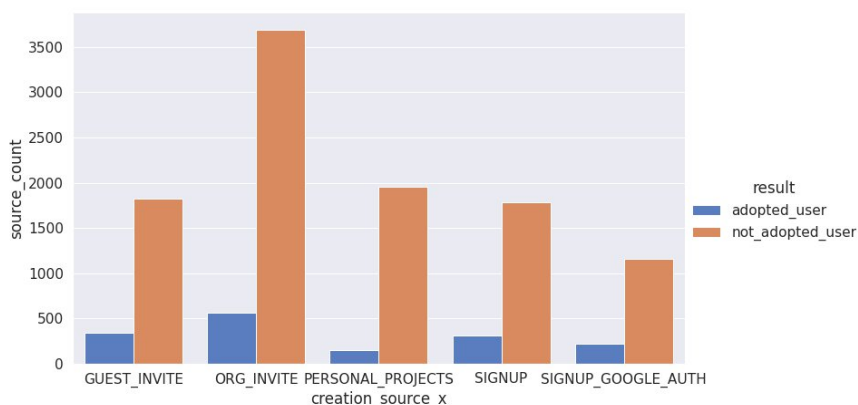
We should conduct new events and pilot programs and email campaigns to engage our users.

Here i provided the adoption users are how many times visited our page .all users are not ready to visit our page simultaneously so we should improve our content about what they need .we have to communicate our users and must provide what support they expected from our side. Important issue is we have a bot users in adoption list . We have to remove from our list .



Now email domain and user account creation source wise provided each graphs. In email domain graph says the unknown domains occupy our product we cant say its a authorized users so we have to provide different types of captcha verifications while signup and login to our product.

Good thing is users are increased by our organisation invite and guest invite.



We can reduce the bot users by user agent details like what kind of browser, ipaddress, browser addons and captcha then we have only authorized users last year apple increased there security policies. so the bot issue already affected the world so we must start the bot reduction.