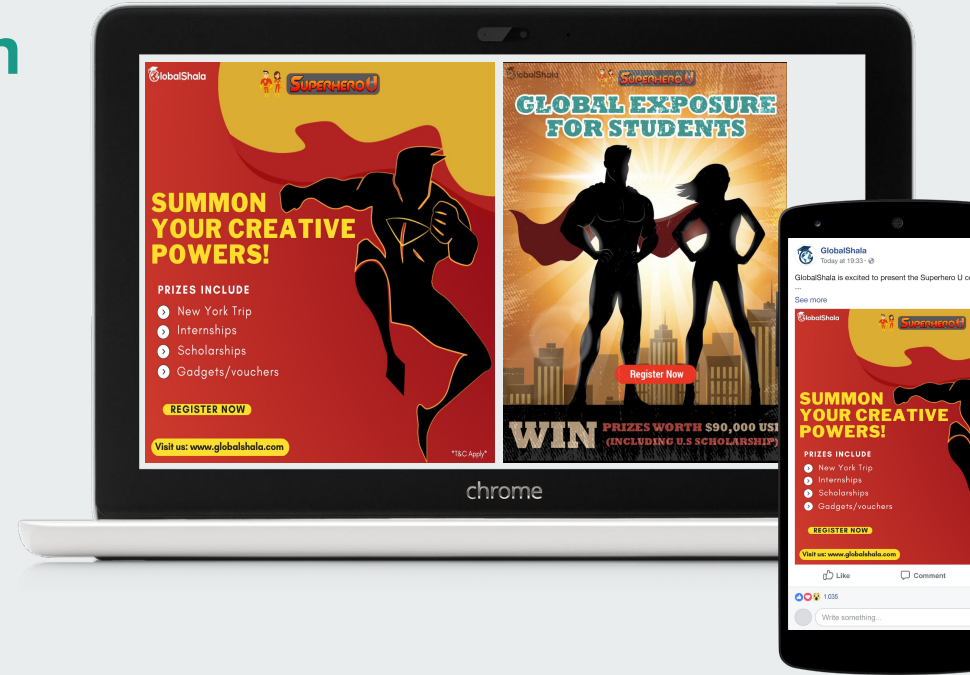


Analysis and Suggestion for SuperHero U Ads on Facebook

By Group 13B





Team Introduction

Team Lead	Project Manager	Project Scribe
Mojibola Adekunle	Sai Teja Dugyala	Jagadeesh Kakamolu

Project Lead	Project Scribe	
Seoyoung Kim	Khoa Pham	

SUPERHERO U Challenge



What

- Competitive event



When

- Competition Deadline



Who

- Students
- Individual
- Team of 4



How

- Comic Strip
- Video
- Presentation

SUPERHERO U Challenge

Motive

- Imaginative
- Problem-solving
- Creativity
- Innovative

Themes

- People
- Peace
- Planet
- Partnership
- Prosperity



Inspirations

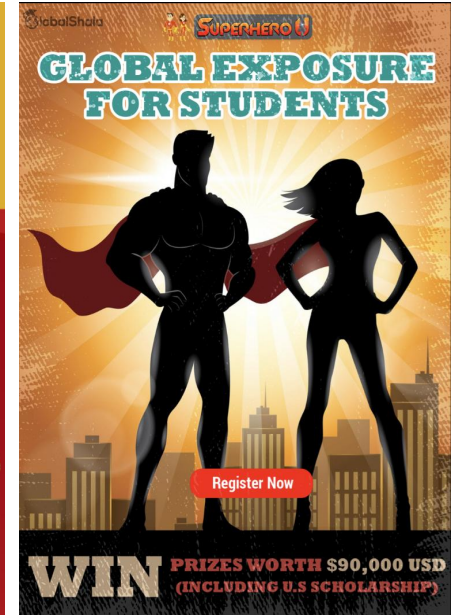
- UN Global Compact
- UN Sustainable Development
- UN Women

Rewards

- Scholarships
- Cash prizes
- Travels

Campaign Overview

- **Ad Agency:** Facebook
- **Objective:**
Promote Event Participation
- **Two Target Audiences:**
 1. Interns (Left Picture)
 2. Educators and Principals (Right Picture)





Project Objective

- ✓ Determine whether campaigns are successful.
- ✓ Suggest campaign's removal with low ad effectiveness in terms of return on investment.

Dataset Overview

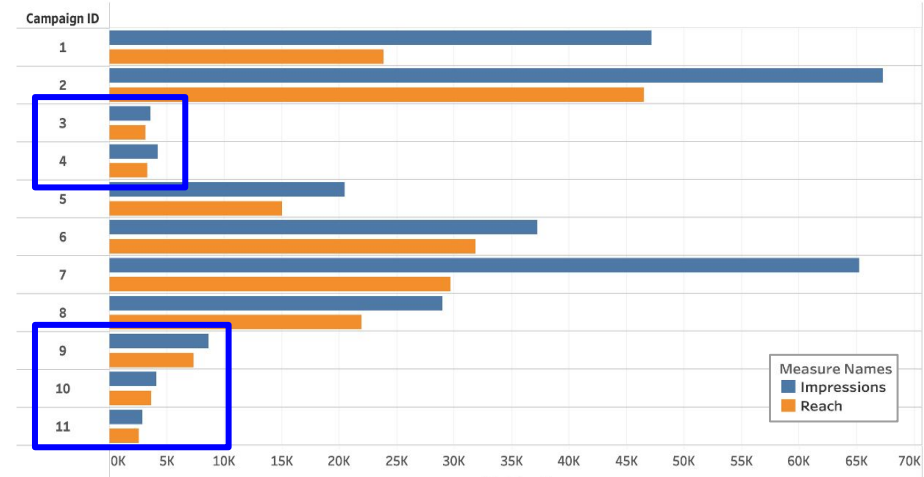
- ✓ Total Number of Campaigns Analysed - 11
- ✓ Dataset - 16 feature columns

Basic Info	Action Info	Click Info	Cost Info
Campaign ID Campaign Name Audience Age Geography	Reach Impressions Frequency	Clicks Unique Clicks Unique Link Click Click-Through Rate Unique Click-Through Rate	Amount Spent Cost Per Click Cost per Result

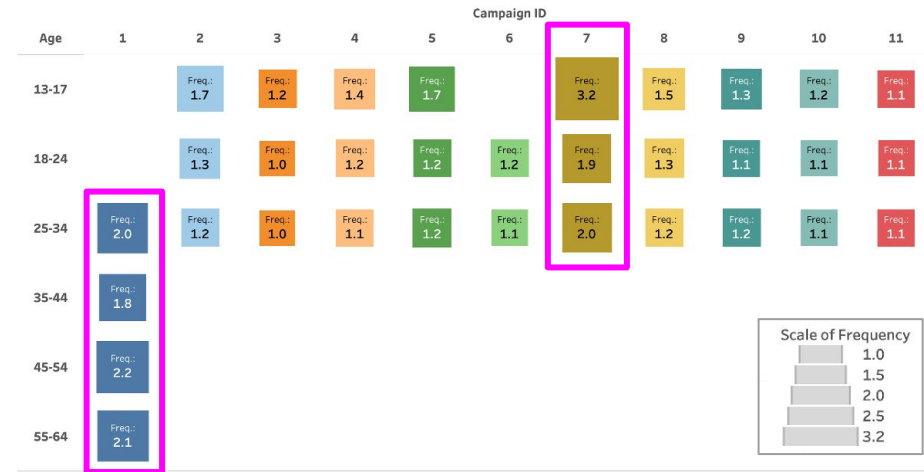
Data Analysis - Frequency

1. Number of people and times seen ads were relatively **low** in **Campaigns 3, 4, 9, 10, and 11**.
2. The ad seems **to have appealed more to campaigns 1 and 7**, which represent high frequencies, and to the **13-17 age group**, which is relatively higher than other groups.

Comparison between Impressions and Reach for each Campaign



Frequency broken down by Campaign ID vs. Age



* **Reach:** Number of people who saw the ad

* **Impressions:** Times spent watching ad

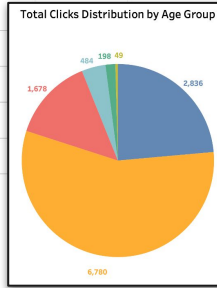
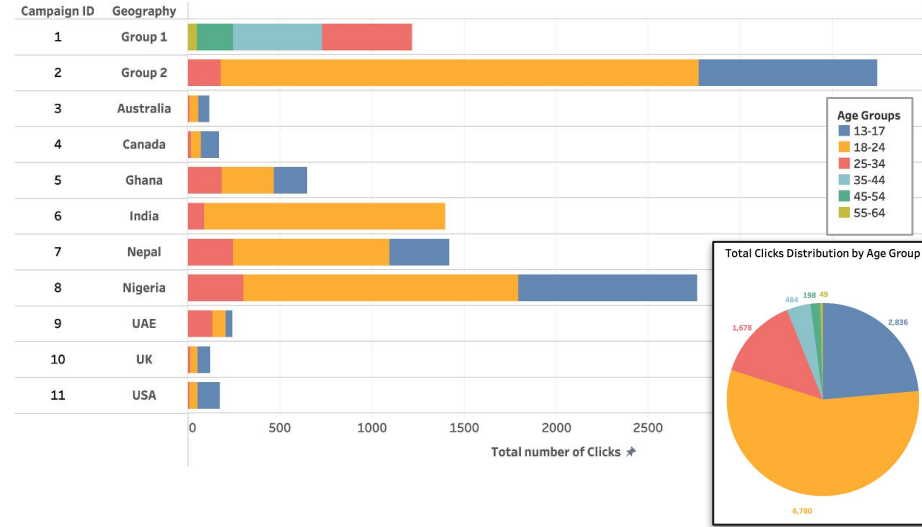
* **Frequency** = Impressions/Reach

Data Analysis - Clicks

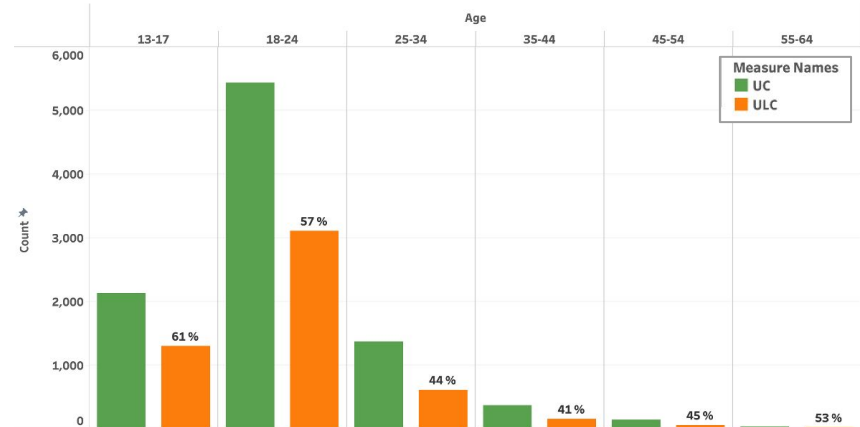


1. **Campaigns 2, 8** and the **18-24 age group** clicked on ad the **most**.
2. Effectiveness assessment **by age** is challenging due to **the limited data** for age groups **over 35**.
3. **Most** (around 50%) **people** tend to **click on the link** **after watching** the ad.

Total Clicks by Campaign/Geography and Age Group



Comparison of Unique Click (UC) and Unique Link Click (ULC) by Age Group



- * **Clicks:** Total number of Clicks on the campaign's ad
- * **Unique Clicks (UC):** Number of people who clicked the link
- * **Unique Link Clicks (ULC):** Number of people who saw and clicked

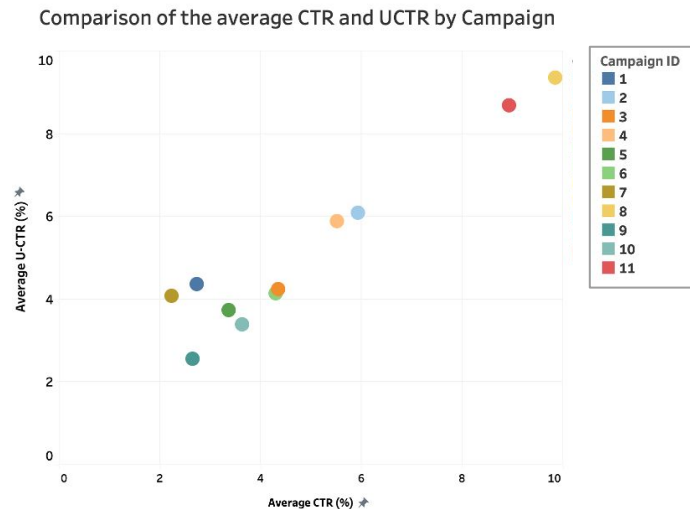
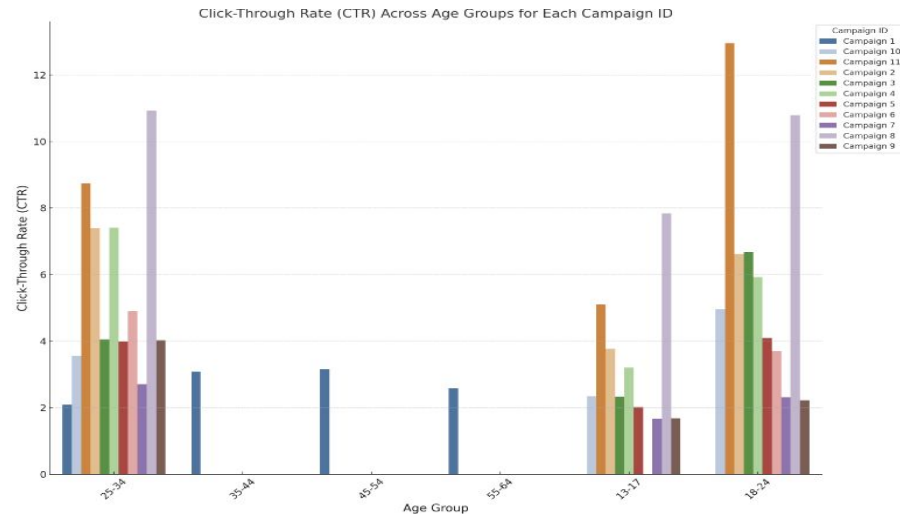
Data Analysis -

CTR / UCTR

1. The **higher CTR** between 18 and 34 age groups indicates **more clicks per Impressions** relatively. It is difficult to compare groups over 35 due to limited data.
2. When examining CTR and UCTR by campaign, **campaigns 8 and 11** stand out with the highest values, signifying **a greater proportion of viewers clicking** on the ad compared to others.

* Clicks-Through Rate (CTR) = Clicks / Impressions * 100 (%)

* Unique Clicks-Through Rate (UCTR) = UC / Reach * 100 (%)

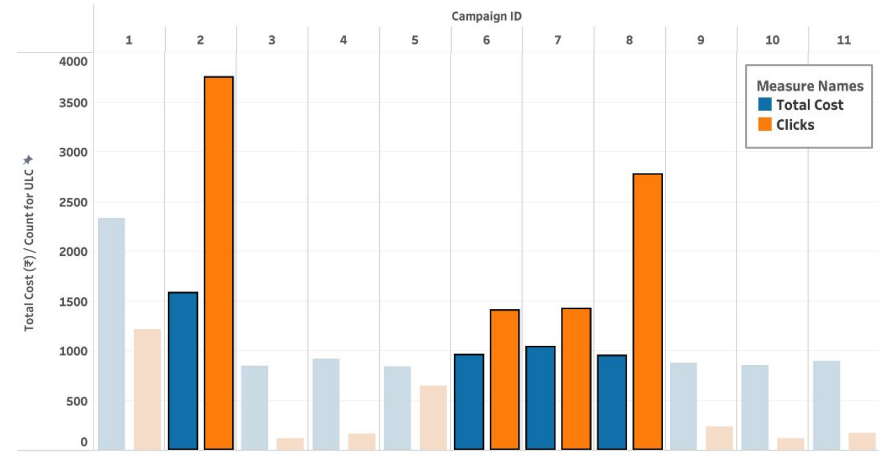


Data Analysis -

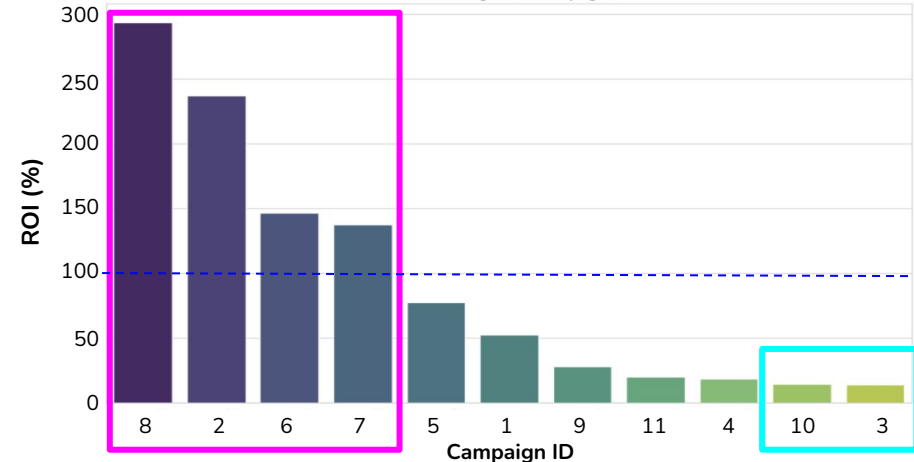
Cost vs Clicks

1. Campaigns 2, 6, 7, and 8 generated more clicks than the advertising cost (assuming 1₹ per click).
2. Return on Investment (ROI) Ranking indicates these campaigns achieved ROI values exceeding 100%, indicating their cost-effectiveness.
3. Campaigns 3 and 10 show the lowest ROI values.

Comparison of Total Ad Cost and Total Clicks by Campaign



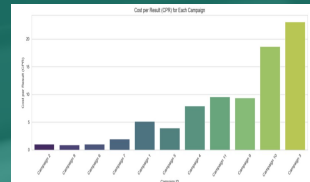
ROI Rankings for All Campaigns



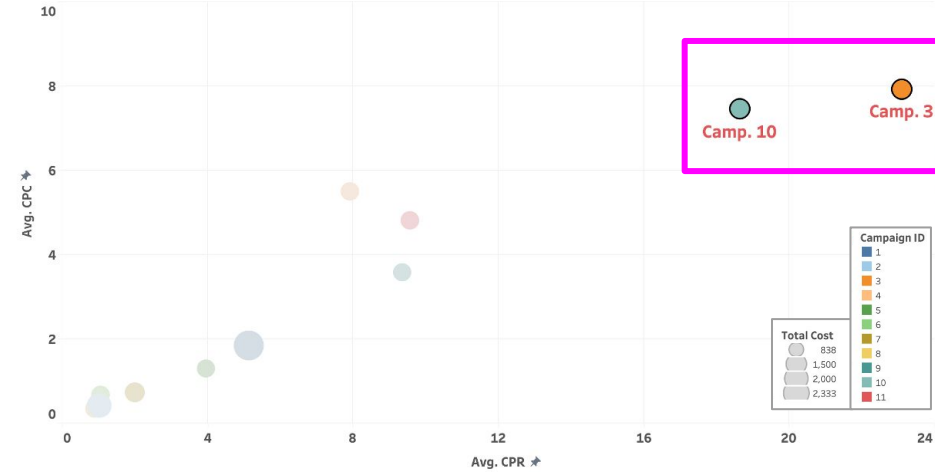
* ROI = Clicks/Total Cost (Currency) * 100

Data Analysis - Ineffective Ads

1. Campaigns 3 and 10 exhibit higher CPC and CPR values compared to others.
2. Campaign 3 has the highest Cost per LC at ₹23.11, followed by Campaign 10 at ₹18.65.
3. A higher the cost per click/ULC indicates lower ad effectiveness.



Comparison of Cost per Click (CPC) and Cost per Result (CPR)



Cost per Link Click by Campaign



* Cost per Click (CPC) = Total cost / Clicks (₹)

* Cost per Result (CPR) = Total cost / ULC (₹)

Conclusion

- This **project** focused on assessing the **effectiveness of the "SUPERHERO U"** advertised on Facebook across **11 campaigns**.
- **Age group analysis limitation** was observed, with only half of the groups (over 35) present in **Campaign 1**.
- Clear insights into advertising efficiency emerged when considering **total investment costs**. : **Campaigns 8, 2, 6, and 7** showed **high ROI**, indicating **cost-effectiveness**. Conversely, **Campaigns 3 and 10**, with **elevated CPR**, were **deemed inefficient** due to high cost per click.
- **In conclusion**, we recommend **terminating Campaigns 3 and 10** to improve overall ROI and cost-effectiveness.