

Capstone project

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1. Getting to know CoolTShirts

1.1 Campaigns and sources

Here are distinct campaigns and sources that are used by CoolTShirts.com

- There are 8 distinct campaigns
- Also there are 6 sources
- On the right we can see which campaign relates to which source
- The difference between source and campaign is that source is the medium used to present content to clients, and campaign is form in which that contet is presented

```
select count (distinct utm_campaign)
from page_visits
;
select count (distinct utm_source)
from page_visits
;
select distinct utm_campaign, utm_source
from page_visits
;
```

Query Results		
utm_campaign	utm_source	
getting-to-know-cool-tshirts	nytimes	
weekly-newsletter	email	
ten-crazy-cool-tshirts-facts	buzzfeed	
retargetting-campaign	email	
retargetting-ad	g-ad facebook	
interview-with-cool-tshirts- founder	medium	
paid-search	google	
cool-tshirts-search	google	

1.2 Sites used.

Bottom table shows which sites are on CoolTShirts.com.

page_name

1 - landing_page

2 - shopping_cart

3 - checkout

4 - purchase

```
select distinct page_name
from page_visits
;
```

2. User journey

2.1 How many first touches is each campaign responsible for?

Table below shows how many first touches each campaign is responsible for. (On the right is query used to get that table).

utm_campaign	count (first_touch.first_touch_at)
cool-tshirts-search	169
getting-to-know-cool-tshirts	612
interview-with-cool-tshirts- founder	622
paid-search	0
retargetting-ad	0
retargetting-campaign	0
ten-crazy-cool-tshirts-facts	576
weekly-newsletter	0

2.2 How many last touches each campaign is responsible for

Table below shows for how many last touches each campaign is responsible for.

utm_campaign	Last_Touch_Amo unt
cool-tshirts-search	60
getting-to-know-cool-tshirts	232
interview-with-cool-tshirts- founder	184
paid-search	178
retargetting-ad	443
retargetting-campaign	245
ten-crazy-cool-tshirts-facts	190
weekly-newsletter	447

```
WITH last_touch AS (
    SELECT user_id,
    max(timestamp) as last_touch_at
    FROM page_visits
    GROUP BY user_id)

SELECT pv.utm_campaign, count (distinct
ft.last_touch_at) as 'Last_Touch_Amount'
FROM last_touch ft

JOIN page_visits pv
    ON ft.user_id = pv.user_id
    AND ft.last_touch_at = pv.timestamp
    group by pv.utm_campaign;
```

2.3 How many users visited page 4 - purchase

Table below shows how many users visited page 4 - purchase

```
select count (distinct user_id) as 'Visits_on_4'
from page_visits
where page_name = '4 - purchase'
;
```

```
Visits_on_4
```

361

2.4 How many last touches on the purchase page is each campaign responsible for?

Below is the table showing how many last touches on the purchase page is each campaign responsible for.

utm_campaign	Last_Touch_Amo unt
cool-tshirts-search	2
getting-to-know-cool-tshirts	9
interview-with-cool-tshirts- founder	7
paid-search	52
retargetting-ad	112
retargetting-campaign	53
ten-crazy-cool-tshirts-facts	9
weekly-newsletter	114

```
WITH last touch AS (
    SELECT user id,
      max(timestamp) as last touch at
    FROM page visits
    GROUP BY user id)
SELECT pv.utm campaign, count (distinct
lt.last touch at) as 'Last Touch Amount'
FROM last touch lt
JOIN page visits pv
    ON lt.user id = pv.user id
   AND lt.last touch at = pv.timestamp
    where pv.page name = '4 - purchase'
   group by pv.utm campaign;
```

2.5 Typical user journey

With simple count of visits on each page we can determine that typical user journey starts at Landing_Page and stops at Checkout. That's why retargeting campaigns are very important. More on that in conclusion.

Landing_page		
2000		
Shopping_cart		
1900		
Checkout		
1431		
Purchase		
361		

```
select count (user_id) as 'Landing_page'
from page_visits
where page_name = '1 - landing_page'
;
select count (user_id) as 'Shopping_cart'
from page_visits
where page_name = '2 - shopping_cart'
;
select count (user_id) as 'Checkout'
from page_visits
where page_name = '3 - checkout';
select count (user_id) as 'Purchase'
from page_visits
where page_name = '4 - purchase';
```

3. Conclusion

3.1 Conclusion, reinvesting in campaigns

Taking into consideration data that we aquired querying database, we can draw up conclusion that the campaigns with most return are: Getting To Know Cool T-Shirts, Interview with the founder and Ten crazy cool tshirts facts because they provided us with most of the first touches (Influx of new potential clients). Also retargetting ads and weekly newsletter are important and worth reinvesting into because they provided us with much more sales that any other campaigns.

Where the first three campaigns are responsible for new clientele there the two other are responsible for closing the deals.

utm_campaign	count (first_touch.first_touch_at)	Last_Touch_Amount	Purchase
cool-tshirts-search	169	60	2
getting-to-know-cool-tshirts	612	232	9
interview-with-cool-tshirts- founder	622	184	7
paid-search	0	178	52
retargetting-ad	0	443	112
retargetting-campaign	0	245	53
ten-crazy-cool-tshirts-facts	576	190	9
weekly-newsletter	0	447	114