

First-Touch Last-Touch Attribution - CoolTshirts.com

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1. Getting Familiar with CoolTshirts.com

1.1 Campaigns and Sources

How many campaigns and sources does CoolTshirts.com use and how are they related?

- By querying the data we were able to determine there are eight unique campaigns.
- I was also able to determine there are six unique sources.
- The relationship between the sources and campaigns is also show in the below table and code.
- I was able to answer all three of the questions for question one with one code.

SELECT utm_source, utm_campaign,
COUNT(utm_campaign) AS 'visits attributed'
FROM page_visits
GROUP BY utm_campaign;

SOURCE	CAMPAIGN	VISITS ATTRIBUTED
google	cool-tshirts-search	313
nytimes	getting-to-know-cool-tshirts	1349
medium	interview-with-cool-tshirts- founder	1178
google	paid-search	231
facebook	retargetting-ad	558
email	retargetting-campaign	300
buzzfeed	ten-crazy-cool-tshirts-facts	1198
email	weekly-newsletter	565

1.2 What Kind of Pages Are on CoolTshirts.com?

This questions was asking what pages we could expect when visiting CoolTshirts.com

- It is essential for us to answer this on the first question because we need to have an understand of the user flow before we begin analyzing the attribution.
- We were able to determine by querying the data that there are 4 unique pages on CoolTshirts.com

SELECT DISTINCT page_name
FROM page visits;

2. What is The User Journey?

2.1 How Many First Touches is Each Campaign Responsible For?

We must use a First Touch query here to return the desired result.

- I modified a first touch query from the lesson to return the below results.
- My query used to do so is in the right panel.
- The interview on medium is responsible for driving the most traffic to CoolTshirts.com

Source	Campaign	First Touches
google	cool-tshirts-search	169
nytimes	getting-to-know-cool-tshirts	612
medium	interview-with-cool-tshirts- founder	622
buzzfeed	ten-crazy-cool-tshirts-facts	576

```
WITH first_touch AS (
SELECT user_id,
MIN(timestamp) as first_touch_at
FROM page_visits
GROUP BY user_id)
SELECT pv.utm_source as 'Source',
pv.utm_campaign as 'Campaign',
count(ft.user_id) as 'First Touches'
FROM first_touch ft
JOIN page_visits pv
ON ft.user_id = pv.user_id
AND ft.first_touch_at = pv.timestamp
group by pv.utm_campaign;
```

2.2 How Many Last Touches is Each Campaign Responsible For?

We must use a Last Touch guery here to return the desired result.

- I modified a Last touch query from the lesson to return the below results.
- My guery used to do so is in the below panel.
- The weekly newsletter sent by email is driving the most last touch traffic to CoolTshirts.com

WITH last touch AS (
-
SELECT user_id,
Max(timestamp) as last_touch_at
FROM page_visits
GROUP BY user_id)
SELECT pv.utm_source as 'Source',
<pre>pv.utm_campaign as 'Campaign',</pre>
<pre>count(lt.user_id) as 'Last Touches'</pre>
FROM last_touch lt
JOIN page_visits pv
ON lt.user_id = pv.user_id
AND lt.last_touch_at = pv.timestamp
group by my utm campaign:

Source	Campaign	Last Touches
google	cool-tshirts-search	60
nytimes	getting-to-know-cool- tshirts	232
medium	interview-with-cool- tshirts-founder	184
google	paid-search	178
facebook	retargetting-ad	443
email	retargetting-campaign	245
buzzfeed	ten-crazy-cool-tshirts- facts	190
email	weekly-newsletter	447

2.3 How Many Visitors Make a Purchase?

To answer this question we simply just need to do a distinct search for user ids that made it to the purchase page.

- Below are the users that made a purchase after visiting CoolTshirts.com
- The total number of users that made a purchase is 361
- The query used to generate this result is in the right panel.

```
SELECT COUNT (DISTINCT (user_id)) AS 'Unique
Purchases',
FROM page_visits
WHERE page_name = '4 - purchase';
```

Unique Purchases

361

2.4 How Many Last Touches on the Purchase Page is Each Campaign Responsible For?

We must use a Last Touch guery here to return the desired result.

- I modified a Last touch query from the lesson to return the below results.
- My guery used to do so is in the below panel.
- The weekly newsletter sent by email is responsible for the most purchases. It would be wise for them to reinvest in this campaign.

WITH last touch AS (
SELECT user id,
— ·
Max(timestamp) as last_touch_at
FROM page_visits
GROUP BY user_id)
SELECT pv.utm_source as 'Source',
<pre>pv.utm_campaign as 'Campaign',</pre>
<pre>count(lt.user_id) as 'Purchases'</pre>
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 is '4 - purchase'
<pre>group by pv.utm_campaign;</pre>

Source	Campaign	Purchases
google	cool-tshirts-search	2
nytimes	getting-to-know-cool- tshirts	9
medium	interview-with-cool- tshirts-founder	7
google	paid-search	52
facebook	retargetting-ad	112
email	retargetting-campaign	53
buzzfeed	ten-crazy-cool-tshirts- facts	9
email	weekly-newsletter	114

3. Campaign Reinvestment Plan

3.1 Which Campaigns Should CoolTshirt.com Reinvest in and Why?

CoolTshirt.com can only reinvest in 5 campaigns going forward, which should it choose?

- The two obvious campaigns that jump out are the weekly newsletter sent out by email and the retargeting ad on Facebook.
- These two are must haves when choosing to reinvest as they make up for over 60% of purchases.
- The next two are the google paid search campaign and the email retargeting ad.
- These two make up for roughly 30% of the total purchases.
- The fifth one to reinvest in is a toss up, but personally I would suggest the nytimes getting to know cool shirts campaign.
- It is my opinion that it would be valuable to get a real profile out there from a trusted news site.

Source	Campaign	Purchases
email	weekly-newsletter	114
facebook	retargetting-ad	112
email	retargetting-campaign	53
google	paid-search	52
nytimes	getting-to-know-cool- tshirts	9
buzzfeed	ten-crazy-cool-tshirts- facts	9
medium	interview-with-cool- tshirts-founder	7
google	cool-tshirts-search	2