**CoolTShirts** 

# **CoolTShirts Marketing Attribution**

Analyze Data with SQL Bianca Niemann 05 September 2024

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### **CoolTShirts**

## 1. Get familiar with CoolTShirts

CoolTShirts, an innovative apparel shop, is running a bunch of marketing campaigns.

The aim of the project is to help them answer these questions about their campaigns:

- 1. Get familiar with the company.
  - How many campaigns and sources does CoolTShirts use and how are they related? Be sure to explain the difference between utm\_campaign and utm\_source.
  - What pages are on their website?

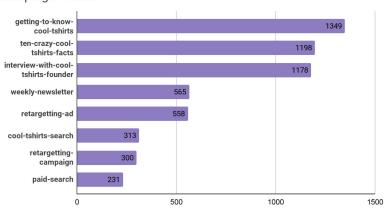
**utm\_campaign** - Identifies the specific ad or email blast (e.g. retargetting-ad or weekly-newsletter)

#### **Total campaigns**

COUNT(DISTINCT utm\_campaign)

8

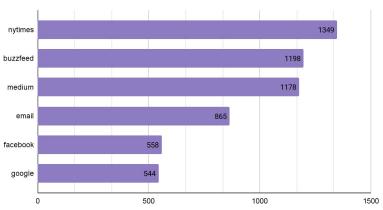
#### Campaign Totals



#### **Total Sources**

COUNT(DISTINCT utm\_source)
6

#### Source Totals



#### Relationship between Source and Campaign

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

#### Pages on CoolTshirts website

page_name
1 - landing_page
2 - shopping_cart
3 - checkout
4 - purchase

#### From the above queries we now have the following info:

- There are 8 campaigns in total currently being run
- There are 6 sources in total
- The companies website has a total of 4 pages for the user to access

## **CoolTShirts**

## 2. What is the user journey?

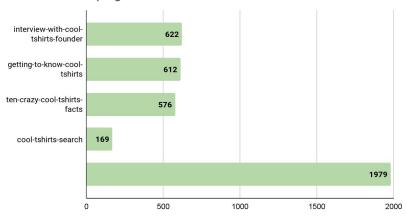
#### 2. What is the user journey?

- How many first touches is each campaign responsible for?
- How many last touches is each campaign responsible for?
- How many visitors make a purchase?
- How many last touches on the purchase page is each campaign responsible for?
- What is the typical user journey?

#### First Touch per campaign

utm_source	utm_campaign	Total campaign
medium	interview-with-cool-tshirts-founder	622
nytimes	getting-to-know-cool-tshirts	612
buzzfeed	ten-crazy-cool-tshirts-facts	576
google	cool-tshirts-search	169

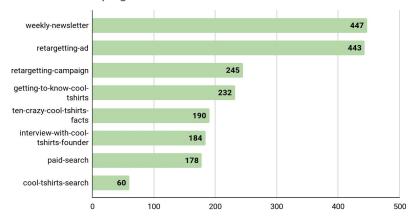
#### First touch campaigns



#### Last touch per campaign

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

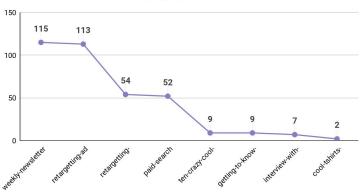
#### Last touch campaigns



#### Total purchase made

page_name	COUNT(DISTINCT user_id)
4 - purchase	361

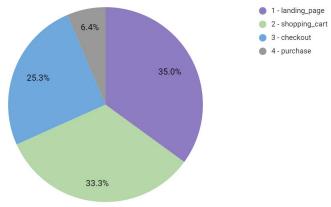
#### Last touches on purchase page per campaign



#### Total hits per page - User Journey

page_name	COUNT(DISTINCT user_id)
1 - landing_page	1979
2 - shopping_cart	1881
3 - checkout	1431
4 - purchase	361

#### Total hits per page



## **CoolTShirts**

## 3. Optimize the campaign budget

- 3. Optimize the campaign budget.
  - CoolTShirts can reinvest in 5 campaigns. Which should they pick and why?

- weekly-newsletter Had the most amount of purchases (32%) or 115 of the 361 purchases made, it also had the highest amount of last touches, although it did not receive any first touches its value is definitely there.
- retargetting-ad Had 2nd highest (31%) or 113 of 361 purchases as well as 2nd highest last touches, also did not receive any first touches but just as valuable
- **retargetting\_campaign** Even though it did not have a very high amount of actual campaigns and no first touches, it still placed third for purchases (15%) and last touches
- ten\_crazy\_cool\_tshirt\_facts Although it had 2nd highest campaign amounts it only placed 5th for purchases (2%) and 4th for last touches but it had 2nd highest first touch rate (32%) which means it still has value because it helps get people to the site initially
- **interview-with-cool-tshirts-founder** placing 7th for purchases and 6th for last touch it surprisingly places 1st for 1st touch, meaning once again that it opens the door for new customers and would be wise to keep

## **CoolTShirts**

## 4. Methods

#### Campaigns breakdown totals

SELECT utm\_campaign, COUNT(utm\_campaign) FROM page\_visits GROUP BY utm\_campaign;

#### Total campaigns

SELECT COUNT(DISTINCT utm\_campaign) FROM page\_visits;

#### Relationship between Source and Campaign

SELECT DISTINCT page\_name FROM page\_visits;

#### Sources breakdown Totals

SELECT utm\_source, COUNT(utm\_source)
FROM page\_visits
GROUP BY utm\_source;

#### **Total Sources**

SELECT COUNT(DISTINCT utm\_source) FROM page\_visits;

#### Pages on CoolTshirts website

SELECT DISTINCT utm\_campaign, utm\_source FROM page\_visits;

#### First Touch per campaign

#### Total purchases made per campaign

```
WITH last touch AS (
         SELECT user id.
         MAX(timestamp) as last touch at
         FROM page visits
         WHERE page name = '4 - purchase'
         GROUP BY user id)
SELECT page_name,
         pv.utm source,
         pv.utm campaign.
COUNT(pv.utm_campaign) AS 'Total campaign'
FROM last touch It
JOIN page visits pv
ON It.user id = pv.user id
         AND It.last touch at = pv.timestamp
GROUP BY 3
ORDER BY 4 DESC:
```

#### Last Touch per campaign

#### Total hits per page - User Journey

SELECT page\_name, COUNT(DISTINCT user\_id)
FROM page\_visits
WHERE page\_name = '4 - purchase';

#### Total purchase made

SELECT page\_name, COUNT(DISTINCT user\_id) FROM page\_visits WHERE page\_name = '4 - purchase';