

Analyzing the Marketing Campaigns of CoolTShirts

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I. An Overview of CoolTShirts Marketing Campaigns

How and Where Does CoolTShirts Market?

Campaign		
getting-to-know-cool-tshirts		
weekly-newsletter		
ten-crazy-cool-tshirts-facts		
retargetting-campaign		
retargetting-ad		
interview-with-cool-tshirts-founder		
paid-search		
cool-tshirts-search		

Source
buzzfeed
email
facebook
google
medium
nytimes

- The table on the far left lists the CoolTShirt's 8 distinct marketing campaigns in Alphabetical order.
- CoolTShirt's eight (8)
 marketing campaigns are
 running on six (6) distinct
 sources.

SELECT DISTINCT utm_campaign as 'Campaign'
FROM page_visits
ORDER BY 1 ASC;

SELECT DISTINCT utm_source as 'Source' FROM page_visits
ORDER BY 1 ASC;

What is the difference between a Campaign and a Source?

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

- <u>Campaign</u> a marketing campaign is a specific set of promotional activities.
- <u>Source</u> a source is *the medium* through which a specific set of promotional activities is delivered to a prospective customer.

Please note: each campaign is associated with a single source, however each source may be associated with multiple campaigns. For example, the retargetting-campaign and the weeklynewsletter are delivered via the same source: email.

An Overview of CoolTShirts' Website Pages

- The query to the right identifies the four (4) distinct pages on the CoolTShirts website.
- Each time a user visits the CoolTshirts
 website, the page name that the user is
 visiting is captured as well as the marketing
 campaign and the marketing source that
 drove the user to visit that website page.
- When a user visits the purchase page we know that a sale has been made.

Page Name	
1 - landing_page	
2 - shopping_cart	
3 - checkout	
4 - purchase	

SELECT DISTINCT page_name as 'Page Name'
FROM page_visits;

II. Marketing Campaign Analysis

How many first touches does each campaign generate?

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

```
WITH first touch AS
       (SELECT user id,
               min(timestamp) as first time
        FROM page visits
        GROUP BY user id)
.attribution AS
        (SELECT ft.user id, ft.first time,
                pv.utm campaign,
                pv.utm source
         FROM first touch ft
         JOIN page visits pv
         ON ft.user id = pv.user id
         AND ft.first time = pv.timestamp)
SELECT COUNT(*) as 'Total First Touches',
       attribution.utm campaign as 'Campaign',
       attribution.utm source as 'Source'
FROM attribution
GROUP BY 2, 3
ORDER BY 1 DESC;
```

- A first touch is the initial recorded time a distinct user visited the CoolTShirts website
- There are **1,979** total first touches attributed to distinct customers.
- Four (4) of the eight (8) marketing campaigns generated <u>all first touches</u>
- Additionally, the three highest ranking marketing campaigns make up 91% of all first touches.

How many last touches does each campaign generate?

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

- A last touch is the final recorded time a distinct user visits the CoolTShirts website
- Each of the Eight (8) Marketing Campaigns is associated with at least one last touch

```
with last touch as
(SELECT user id
, max(timestamp) as first time
FROM page visits
GROUP BY user id)
 ,attribution AS
(SELECT lt.user id
             ,lt.first time
             ,pv.utm campaign
          ,pv.utm source
FROM last touch lt
JOIN page visits pv
ON lt.user id = pv.user id
AND lt.first time = pv.timestamp)
SELECT COUNT(*) as 'Total Last Touches'
             ,attribution.utm campaign as 'campaign'
             ,attribution.utm source as 'source'
FROM attribution
GROUP BY 2, 3
ORDER BY 1 DESC;
```

How Many Users Make a Purchase?

- Of the 1,979 visitors to the CoolTShirts website, only 361 make a purchase.
- The total conversion rate is 18%

Total Distinct Users	Page Name
1979	1 - landing_page
1881	2 - shopping_cart
1431	3 - checkout
361	4 - purchase

How many purchases does each campaign generate?

Total	Campaign	Source
115	weekly-newsletter	email
113	retargetting-ad	facebook
54	retargetting- campaign	email
52	paid-search	google
9	getting-to-know- cool-tshirts	nytimes
9	ten-crazy-cool- tshirts-facts	buzzfeed
7	interview-with-cool- tshirts-founder	medium
2	cool-tshirts-search	google

```
with last touch as
     (SELECT user id,
             max(timestamp) as last time
      FROM page visits
      WHERE page name = '4 - purchase'
      GROUP BY user id)
 ,attribution AS
              (SELECT lt.user id,
                     lt.last time,
                     pv.utm campaign,
                      pv.utm source
               FROM last touch lt
               JOIN page visits pv
                 ON lt.user id = pv.user id
                 AND lt.last time = pv.timestamp)
SELECT COUNT(attribution.last time) as 'Total',
       attribution.utm campaign as 'Campaign',
       attribution.utm source as 'Source'
FROM attribution
GROUP BY 2
ORDER BY 1 DESC;
```

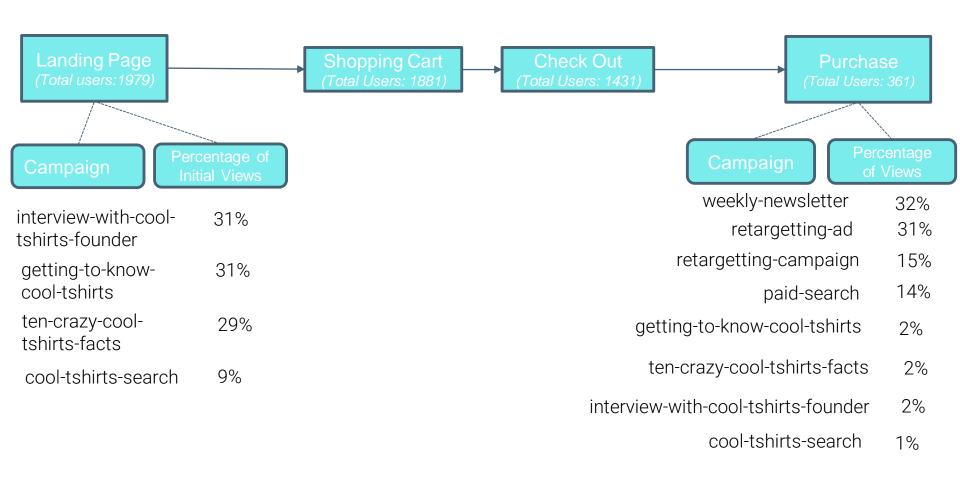
How many purchases does each campaign generate?

Total	Campaign	Source
115	weekly-newsletter	email
113	retargetting-ad	facebook
54	retargetting- campaign	email
52	paid-search	google
9	getting-to-know- cool-tshirts	nytimes
9	ten-crazy-cool- tshirts-facts	buzzfeed
7	interview-with-cool- tshirts-founder	medium
2	cool-tshirts-search	google

- Each of the eight (8) marketing campaigns generated at least one website view that led to a purchase
- The top four (4) marketing campaigns account for 93% of the views that led to purchases
- The campaigns highlighted in yellow drive traffic to the CoolTShirts website, but only generate 7% of the views that led to purchases
- The campaigns highlighted in blue drive views that led to purchases. These campaigns do not drive any new traffic to the website.

III. The Typical Customer Journey

Typical Customer Journey



IV. How to Optimize the Marketing Budget

Where to Reinvest?

- The key to a great marketing strategy is the combination of high performing drivers with high performing converters. This strategy allows one to attract attention and persuade clients to accept the CoolTShirts value proposition.
- I recommend that we combine the highest performing campaigns that drive traffic to CoolTShirts (interview-with-cool-tshirts-founder, getting-to-knowcool-tshirts, and ten-crazy-cool-tshirts-facts) with the two most successful campaigns that drive purchase behavior (weekly-newsletter and retargettingad).