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How many campaigns and sources does CoolTShirts use? Which source is used for each campaign?

- There 8 unique campaigns and 6 unique sources that CoolTShirt uses currently (see Charts to right )
- Campaign is a targeted
   advertisement effort to drive
   business to a website such as
   emailing weekly news letters,
   having sponsored articles on news
   site, and paying for website to
   appear higher for certain search
   engine results
- Sources identify where traffic to the website was directed from, for instance facebook, google, email.
- Sources deliver the campaign to prospective customers in hoping to attract them to the website

Campaign	Source		
Count	Count		
8	6		



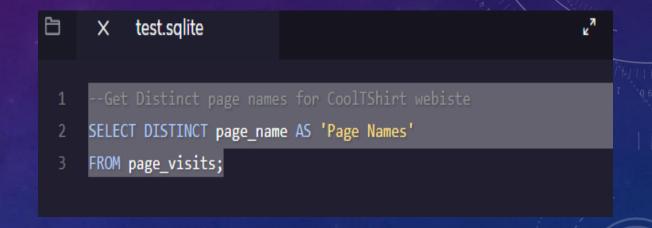
Campaign	Source				
getting-to-know-cool- tshirts	nytimes				
weekly-newsletter	email				
ten-crazy-cool-tshirts- facts	buzzfeed				
retargetting-campaign	email				
retargetting-ad	facebook				
interview-with-cool- tshirts-founder	medium				
paid-search	google				
cool-tshirts-search	google				

What pages are on their website?

Cool Tshirts has 4 unique pages on the website

### Page Names

- 1 landing\_page
- 2 shopping\_cart
  - 3 checkout
  - 4 purchase



# Section 2 What is the user journey?

How many first touches is each campaign responsible for? See Chart below

Source	Campaign	Count		
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		

Note: only 4 of the 8 campaigns are responsible for first touches, some campaigns designed to reengage former visitors, like retargetting ads, which is important to remember when judging the effectiveness of each ad.

```
× test.sqlite
--Finding how many first touches each campaign is responsible for
WITH first_touch AS (
    SELECT user id,
   MIN(timestamp) AS first touch at
    FROM page_visits
    GROUP BY user_id),
fr_attr AS (
  SELECT ft.user_id,
         ft.first_touch_at,
         pv.utm_source,
         pv.utm_campaign
  FROM first_touch ft
  JOIN page_visits pv
   ON ft.user id = pv.user id
    AND ft.first touch at = pv.timestamp)
SELECT fr_attr.utm_source AS Source,
       fr_attr.utm_campaign AS Camapaign,
       COUNT(*) AS 'Count'
FROM fr attr
GROUP BY 1, 2
ORDER BY 3 DESC;
```

How many last touches is each campaign responsible for? See chart below

Source	Campaign	Count
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
	interview-with-cool-tshirts-	
medium	founder	184
google	paid-search	178
google	cool-tshirts-search	60

Note: All 8 campaigns were responsible for last touches, you can see some the campaigns that weren't designed for first touches had high last touch numbers

```
--Finding how many last touches each campaign was responsible for
WITH last touch AS (
    SELECT user_id,
    MAX(timestamp) AS last_touch_at
    FROM page visits
    GROUP BY user id),
lt_attr AS (
  SELECT lt.user_id,
         lt.last_touch_at,
         pv.utm_source,
         pv.utm_campaign,
         pv.page_name
  FROM last_touch lt
  JOIN page_visits pv
    ON lt.user id = pv.user id
    AND lt.last touch at = pv.timestamp)
SELECT lt_attr.utm_source AS Source,
       lt_attr.utm_campaign AS campagin,
       COUNT(*) AS 'Count'
FROM lt_attr
GROUP BY 1, 2
ORDER BY 3 DESC;
```

How many visitors make a purchase? See chart below

Customers that made a purchase

361

- 1 --Finding the number of visitor that make a purchase
- 2 SELECT COUNT (DISTINCT user\_id) AS 'Customers that made a
  purchase'
- 3 FROM page\_visits
- 4 WHERE page\_name = '4 purchase';

How many last touches *on the purchase* page is each campaign responsible for? See chart below

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

From the data we collected purchases over 18% (361/1979) visitors made a purchase on the CoolTShirts

```
1 --Finding how many last touches on the purchase pageis each
   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),
   lt_attr AS (
     SELECT lt.user_id,
            lt.last_touch_at,
            pv.utm_source,
            pv.utm campaign,
            pv.page_name
     FROM last_touch lt
     JOIN page_visits pv
       ON lt.user id = pv.user id
       AND lt.last_touch_at = pv.timestamp)
   SELECT lt_attr.utm_source AS Source,
          lt_attr.utm_campaign AS Campaign,
          COUNT(*) AS 'Count'
   FROM lt_attr
   GROUP BY 1, 2
   ORDER BY 3 DESC;
```

### What is the typical user journey?

A majority(91%) of visitors first came to CoolTShirts by way of a story/news article campaigns

Campaign	Count
interview-with-cool- tshirts-founder	622
getting-to-know- cool-tshirts	612
ten-crazy-cool- tshirts-facts	576
cool-tshirts-search	169

However, the story/news article campaign only accounted for 31% of visitors last visit to the CoolTShirts. Most visitor(54%) revisit the site by way of retargetting/newsletter campaigns

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

Most visitors (78%) that became customers of the site did so when their last touch was from retargetting/newsletter campaigns

Campaign	Count
weekly-newsletter	115
retargetting-ad	113
retargetting-campaign	54
paid-search	52
ten-crazy-cool-tshirts- facts	9
getting-to-know-cool- tshirts	9
interview-with-cool-tshirts-	
founder	7
cool-tshirts-search	2

### What is the typical user journey?

In conclusion, most visitors to CoolTShirts were brought through story campaigns from sites like, New York Times, Medium, and Buzzfeed. However, most visitor need to be engaged by way of emails (retargetting and newsletter campaigns) or a retargetting ad (Facebook); in order to visit CoolTShirts and potentially make a purchase. Searches google and paid did also drive some visits however they amount was small in comparison to the other campaigns. Overall, this reflects the need for CoolTShirts to keep a balance in it campaigns between attracting new visitors to the site and reenaging previous visitors, who are more likely to make a purchase.

# Section 3

3. Optimize the campaign budget

# CoolTShirts can re-invest in 5 campaigns. Which should they pick and why?

The chart below shows the top 4 performing campaign for the First Touch, Last Touch, Last to customer, and Last touch to customer conversion rate. CoolTShirts needs to balance bring in new visitors and reengage previous visitor. The campaigns that CoolTShirts should reinvest are campaigns like getting-to-know-cool-shirts, interview-with-cool-tshirts-founder and ten-crazy-cool-tshirts-fact, because these campaigns were responsible for bring 91% of new visitors to the site. In addition, the company should also reinvest in retargetting-ad and weekly-newsletter campaigns. The data shows the most first time visitors do not make a purchase, however if the visitor is brought back to the site again the likely hood of them making a purchase is greatly increased. Reinvesting in these 5 campaign should help continue to bring new visitors to the site, and help reengage former visitors to revisit and potentially make a purchase

Note: 5 chosen campaigns to reinvest in are highlighted in red

					LT to Purchase	% of LT to	Visitor to Customer rate (LT to
Campaign	FT Count	% of FT	LT Count	% of LT	Count	Purchase	Purchase/LT)
cool-tshirts-search	169	9%	60	3%	2	1%	3%
getting-to-know-cool-tshirts	612	31%	232	12%	9	2%	4%
interview-with-cool-tshirts-founder	622	31%	184	9%	7	2%	4%
paid-search	0	0%	178	9%	52	14%	29%
retargetting-ad	0	0%	443	22%	113	31%	26%
retargetting-campaign	0	0%	245	12%	54	15%	22%
ten-crazy-cool-tshirts-facts	576	29%	190	10%	9	2%	5%
weekly-newsletter	0	0%	447	23%	115	32%	26%