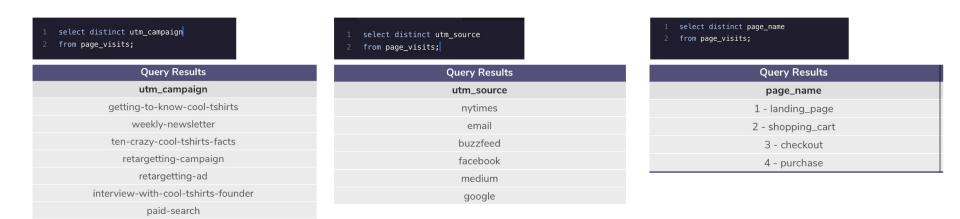
# Final Capstone Project Attribution Queries

Learn SQL from Scratch Xuan Wang April 18th, 2019

#### 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?



#### Difference:

cool-tshirts-search

Campaign is an event happens on a certain period of time. One campaign can use multiple sources Source is the channel where the event can use. One source can be used by multiple campaigns

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

How many first touches is each campaign responsible for?

Query Results	
ft_attr.utm_campaign	count(*)
cool-tshirts-search	169
ten-crazy-cool-tshirts-facts	576
getting-to-know-cool-tshirts	612
interview-with-cool-tshirts-founder	622

How many last touches is each campaign responsible for?

Query Results	
lt_attr.utm_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

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

How many visitors make a purchase?

Query Results	
count (distinct user_id)	
361	

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

Query Results	
lt_attr.utm_campaign	COUNT(*)
weekly-newsletter	115
retargetting-ad	113
retargetting-campaign	54
paid-search	52
getting-to-know-cool-tshirts	9
ten-crazy-cool-tshirts-facts	9
interview-with-cool-tshirts-founder	7
cool-tshirts-search	2

### What is the typical user journey?

- 1. User accesses because of his/her interest in t-shirt content/information
  - the two campaigns brought the most user first touch are information sharing about t-shirt
- 2. User did not buy in his/her first access but left contact information and return later
  - the two campaigns that brought the most last touch users are newsletter and re-targeting
- 3. Most of the purchase are contributed by those return-customer instead of first touch customers
  - newsletter and retargeting campaigns contributed the most purchases

## 3. Optimize the campaign budget

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

- 1. Interview with cool t-shirt founder
- 2. Getting to know cool t-shirts
- 3. Ten crazy cool t-shirt facts
- 4. Weekly Newsletter
- 5. Retargeting ad

They should pick above campaigns because they contribute to the most of first touch, last touch, and purchase.