Capstone Project

Avner Yoffe 26/06/2018

Funnels with Warby Parker

Answer:

The tables columns are "question", "user_id" & "response"

The query I ran:

SELECT * FROM survey;

	Query Results			
question	user_id	response Women's Styles		
1. What are you looking for?	005e7f99-d48c-4fce-b605-10506c85aaf7			
2. What's your fit?	005e7f99-d48c-4fce-b605-10506c85aaf7	Medium		
3. Which shapes do you like?	00a556ed-f13e-4c67-8704-27e3573684cd	Round		
4. Which colors do you like?	00a556ed-f13e-4c67-8704-27e3573684cd	Two-Tone		
1. What are you looking for?	00a556ed-f13e-4c67-8704-27e3573684cd	I'm not sure. Let's skip it.		
2. What's your fit?	00a556ed-f13e-4c67-8704-27e3573684cd	Narrow		
5. When was your last eye exam?	00a556ed-f13e-4c67-8704-27e3573684cd	<1 Year		
3. Which shapes do you like?	00bf9d63-0999-43a3-9e5b-9c372e6890d2	Square		
5. When was your last eye exam?	00bf9d63-0999-43a3-9e5b-9c372e6890d2	<1 Year		
2. What's your fit?	00bf9d63-0999-43a3-9e5b-9c372e6890d2	Medium		

Answer:

Query Results				
question	COUNT(*)			
1. What are you looking for?	500			
2. What's your fit?	475			
3. Which shapes do you like?	380			
4. Which colors do you like?	361			
5. When was your last eye exam?	270			

The query I ran: SELECT question, COUNT(*) FROM survey GROUP BY question;

Answer:

question	COUNT(*) users (%) who answered the que		
1. What are you looking for?	500	25%	
2. What's you fit?	475	24%	
3. Which shapes do you like?	380	19%	
4. Which colors do you like?	361	18%	
5. When was your last eye exam?	270	14%	
Total replies	1986		

- 1. Which question(s) of the quiz have a lower completion rates? \rightarrow latest questions in the survey
- 2. What do you think is the reason? \rightarrow Possible reasons:
 - a. Lose patience
 - b. Don't find an option they like to pick out of the suggested options
 - c. Got distracted and forgot or couldn't to come back and complete the survey

Answer:

quiz table columns are; user_id, style, fit, shape, & color.
home_try_on table columns are; user_id, number_of_pairs, address.
purchase table columns are; user_id, product_id, style, model_name, color, price.

		Query Results				
user_id		style	fit	shape	color	
4e8118dc-bb3d-49bf-85fc-cca8d83232ac	Won	nen's Styles	Medium	Rectangular	Tortoise	
291f1cca-e507-48be-b063-002b14906468	Won	nen's Styles	Narrow	Round	Black	
75122300-0736-4087-b6d8-c0c5373a1a04	Won	nen's Styles	Wide	Rectangular Tv	vo-Tone	
75bc6ebd-40cd-4e1d-a301-27ddd93b12e2	Won	Women's Styles Narrow		Square Tv	vo-Tone	
ce965c4d-7a2b-4db6-9847-601747fa7812	Won	nen's Styles	Wide	Rectangular	Black	
user_id		number_of_pairs		address		
d8addd87-3217-4429-9a01-d56d681	11da7	5 pai	s	145 New York 9a		
f52b07c8-abe4-4f4a-9d39-ba9fc9a1	84cc	5 pairs		383 Madison Ave		
8ba0d2d5-1a31-403e-9fa5-79540f8	477f9	5 pairs		287 Pell St		
4e71850e-8bbf-4e6b-accc-49a7bb46	Sc586	3 pairs		347 Madison Square N		
3bc8f97f-2336-4dab-bd86-e391609d	dab97	5 pairs		182 Cornelia St		
user_id	product_id	style	model_name	color	pric	
00a9dd17-36c8-430c-9d76-df49d4197dcf	8	Women's Styles	Lucy	Jet Black	150	
00e15fe0-c86f-4818-9c63-3422211baa97	7	Women's Styles	Lucy	Elderflower Crystal	150	
017506f7-aba1-4b9d-8b7b-f4426e71b8ca	4	Men's Styles	Dawes	Jet Black	150	
0176bfb3-9c51-4b1c-b593-87edab3c54cb	10	Women's Styles	Eugene Narrow	Rosewood Tortoise	95	
01fdf106-f73c-4d3f-a036-2f3e2ab1ce06	8	Women's Styles	Lucy	Jet Black	150	

query:

```
select * from quiz limit 5;
select * from home_try_on limit 5;
select * from purchase limit 5;
```

Answer:

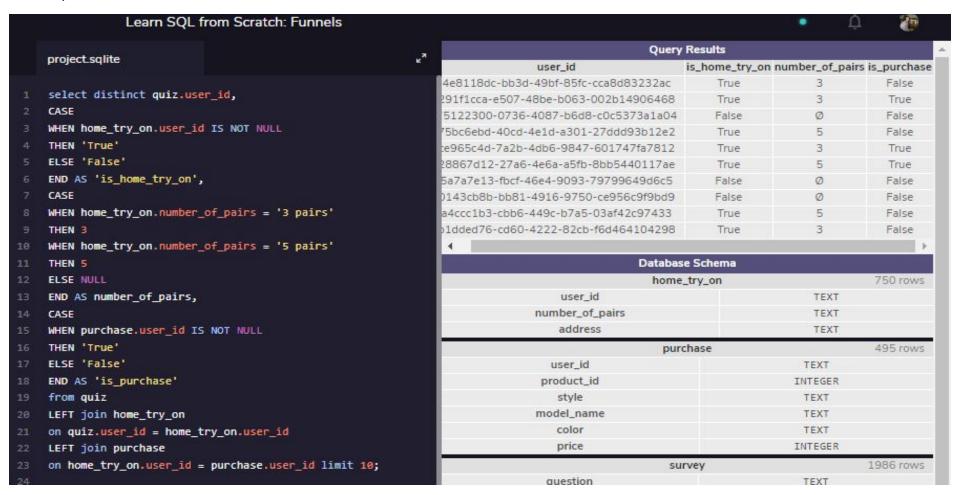
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291f1cca-e507-48be-b063-002b14906468	Won	nen's Styles	Narrow	Round	Black	
75122300-0736-4087-b6d8-c0c5373a1a04	Won	nen's Styles	Wide	Rectangular Tv	vo-Tone	
75bc6ebd-40cd-4e1d-a301-27ddd93b12e2	Won	Women's Styles Narrow		Square Tv	vo-Tone	
ce965c4d-7a2b-4db6-9847-601747fa7812	Won	nen's Styles	Wide	Rectangular	Black	
user_id		number_of_pairs		address		
d8addd87-3217-4429-9a01-d56d681	11da7	5 pai	s	145 New York 9a		
f52b07c8-abe4-4f4a-9d39-ba9fc9a1	84cc	5 pairs		383 Madison Ave		
8ba0d2d5-1a31-403e-9fa5-79540f8	477f9	5 pairs		287 Pell St		
4e71850e-8bbf-4e6b-accc-49a7bb46	Sc586	3 pairs		347 Madison Square N		
3bc8f97f-2336-4dab-bd86-e391609d	dab97	5 pairs		182 Cornelia St		
user_id	product_id	style	model_name	color	pric	
00a9dd17-36c8-430c-9d76-df49d4197dcf	8	Women's Styles	Lucy	Jet Black	150	
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query:

```
select * from quiz limit 5;
select * from home_try_on limit 5;
select * from purchase limit 5;
```

Question 5 Answer:



Question 6 Answer:

project.sqlite	Query Results					
	%_home_from_quiz	%_Purchase_from_quiz	3_pairs_grp_purchase%	5_pairs_grp_purchase%	%_purchase_from_home_try	
	0.75	0.495	0.379	0.371	0.66	
2 with conclusions AS (Database Schem	a		
3 select distinct quiz.user id,			home_try_on		750 rows	
4 home try on.user id IS NOT NULL AS		user_id		Т	EXT	
'is home try on',		number_of_pairs		TEXT		
5 CASE		address		Т	EXT	
6 WHEN home try on.number of pairs = '3 pairs'	purchase					
7 THEN 3		user_id		TE	495 rows	
<pre>8 WHEN home_try_on.number_of_pairs = '5 pairs'</pre>		product_id			GER	
9 THEN 5						
O ELSE NULL	model_name			TEXT TEXT		
1 END AS number of pairs,		color		TE		
2 purchase.user id IS NOT NULL AS 'is purchase'		price		INTE		
3 from quiz		price		INTE		
4 LEFT join home_try_on			survey		1986 rows	
5 on quiz.user_id = home_try_on.user_id		question		TEX		
.6 LEFT join purchase		user_id		TEX	KT	
<pre>.7 on home_try_on.user_id = purchase.user_id)</pre>		response		TEX	KT	
8 select * from conclusions;			quiz		1000 rows	
		user_id		TEX	(T	
0 1.0 * sum(is_home_try_on) / count(*) as		style		TEX	т	
'%_home_from_quiz',		fit		TEX	T.	
1 1.0 * sum(is_purchase) / count(*) as		shape		TEX	T	
'%_Purchase_from_quiz',		color		TEX	T.	
<pre>2 1.0 * SUM(CASE WHEN number_of_pairs = 3 THEN 1 END) / COUNT(*) AS '3_pairs_grp_purchase%',</pre>						
<pre>1.0 * SUM(CASE WHEN number_of_pairs = 5 THEN 1 END) / COUNT(*) AS '5 pairs_grp_purchase%',</pre>						
4 1.0 * SUM(is_purchase) / sum(is_home_try_on) AS '% purchase from home try'						
5 from conclusions limit 10:						