

Warby Parker

Funnels Usage – SQL Project Mostafa Wahdan 04/02/2020

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1. Quiz Funnel

1.1. What is the number of responses for each question?1.2. Which question has a lower completion rate?

- This question is targeted at demonstrating the number of responses each question has. Using the adjacent code, we'll get the number of responses per question.
- Using a spreadsheet program we get the completion rates from one question to another which answers the second question. We can see that the **third** and the **fifth** questions have the lowest completion rates.

```
SELECT question,

COUNT(response) AS 'Number of Responses'
FROM survey
GROUP BY 1;
```

Question	Number of Responses	Completion Rate
1. What are you looking for?	500	100%
2. What's your fit?	475	95%
3. Which shapes do you like?	380	80%
4. Which colors do you like?	361	95%
5. When was your last eye exam?	270	75%

2. Purchase Funnel

2.1. Warby Parker's purchase funnel is:

Take the Style Quiz \rightarrow Home Try-On \rightarrow Purchase the Perfect Pair of Glasses.

Using the adjacent code, we'll get the numbers of customers who took the quiz, the number who took the home trial and the number who made the purchase.

quiz_num	home_try_num	purchase_num
1000	750	495

2.2. Let's compare the conversion from quiz \rightarrow home_try_on and home_try_on \rightarrow purchase:

Using the adjacent code, we'll get the conversion from quiz \rightarrow home_try_on and home_try_on \rightarrow purchase.

try_on_conv	purchase_conv
0.75	0.66

We can see that the number of customers who make a purchase are 66% of those who reach the Home Try-on Stage. And 75% of the customers who take the style quiz, go on to the Home Try-on Stage.

Now, let's see the result of our A/B test. We want to find out whether or not users who get more pairs to try on at home will be more likely to make a purchase.

2.3. Let's compare the purchase rates between customers who had 3 number_of_pairs with ones who had 5:

Using the adjacent code, we'll get the conversion from quiz \rightarrow home_try_on and home_try_on \rightarrow purchase.

number_of_pairs	purchase_conv	
3 pairs	0.53	
5 pairs	0.79	

We can see that the purchase rate for the customers who had 3 pairs is significantly less than those who had 5 pairs to try on.

We can conclude that the number of pairs customers get to try on can affect their decision about whether or not to make a purchase.

3. Most Common Styles

3.1. Most common styles people are interested in while answering the survey:

Using the adjacent code, we'll get the most common styles people are interested in while answering the survey.

style	COUNT(user_id)
Women's Styles	469
Men's Styles	432
I'm not sure. Let's skip it.	99

We can see that the women's styles are more common than the men's within the survey results.

```
SELECT style,

COUNT(user_id)

FROM quiz

GROUP BY 1

ORDER BY 2 DESC;
```

3.2. Most common styles people actually purchase:

Using the adjacent code, we'll get the most common styles people actually purchase.

style	COUNT(user_id)
Women's Styles	252
Men's Styles	243

We can conclude that women's styles are more common both when it comes to surveys and actual purchases.

```
SELECT style, COUNT(user_id)
FROM purchase
GROUP BY 1
ORDER BY 2 DESC;
```

Thank you!