

Warby Parker – Usage Funnels

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1. Creating Funnels for Warby Parker

1.1 Quiz Funnel

Which questions of the quiz have lower completions rates? What do you think is the reason?

- Question 3: 80% completion rate, I believe this is because people aren't sure what shapes they like best, which is why they are taking the quiz
- Question 4: 75% completion rate, I believe this is because people may not remember when their last eye exam was

question	Distinct_users	% Completion
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%

1.2 Home Try-On Funnel

Let's find out whether or not users who get more pairs to try on at home will be more likely to make a purchase.

 Below is a table to gather all necessary data, including if a user utilized home try on, how may pairs they received and if they purchased.

user_id	is_home_try_on	number_of_pairs	is_purchase
1	1	3 pairs	0
2	1	3 pairs	1
3	0		0
4	1	5 pairs	0
5	1	3 pairs	1
6	1	5 pairs	1
7	0		0
8	0		0
9	1	5 pairs	0

```
SELECT DISTINCT q.user_id,
h.user_id IS NOT NULL AS 'is_home_try_on',
h.number_of_pairs,
p.user_id IS NOT NULL AS 'is_purchase'

FROM quiz as q
LEFT JOIN home_try_on as h
on q.user_id = h.user_id
LEFT JOIN purchase as p
on q.user_id = p.user_id
LIMIT 10;
```

2. Developing Business Metrics

2.1 Purchase Rates

Utilizing the Home Try On Funnel, we are able to calculate the quantity of users in each test and quantity that made a purchase.

- The Purchase Rate for 3 pairs is 53%
- The Purchase Rate for 5 pairs is 79%

This tells us that Warby Parker is more likely to have a purchase if they provide 5 pairs of glasses for at home try on.

number_of _pairs	purchased	Qty_users	Purchase Rate
3 pairs	FALSE	178	47%
3 pairs	TRUE	201	53%
5 pairs	FALSE	77	21%
5 pairs	TRUE	294	79%

```
WITH funnel as
( SELECT DISTINCT q.user id,
     h.user id IS NOT NULL AS 'is home try on',
    h.number of pairs,
     p.user id IS NOT NULL AS 'is purchase'
FROM quiz as q
LEFT JOIN home try on as h
             on q.user id = h.user id
LEFT JOIN purchase as p
             on q.user id = p.user id
SELECT number of pairs,
     CASE WHEN is purchase = 0
             THEN "FALSE"
     ELSE "TRUE"
     END as purchased,
  COUNT (DISTINCT user id) as qty users
FROM funnel
WHERE number of pairs IS NOT NULL
GROUP BY number of pairs, is purchase;
```

2.1 Buying Trends

Looking at purchases from the at home try on, we learn:

- The most popular Women's style is Eugene Narrow
- The most popular Men's style is Dawes

style	model_name	qty_sold	% Sales
Women's Styles	Eugene Narrow	116	23%
Men's Styles	Dawes	107	22%
Men's Styles	Brady	95	19%
Women's Styles	Lucy	86	17%
Women's Styles	Olive	50	10%
Men's Styles	Monocle	41	8%

```
SELECT Style,
   Model_Name,
   COUNT(user_id) as qty_sold
FROM purchase
Group by 1, 2
;
```