

# Final Assignment

Q1  
Ans: No, this table does not have enough information for 30-day view\_binary, it is missing a date variable.

1. Data Quality Check

	item_id	test_a	test_b	test_c	test_d
1	2512	1	0	1	1
2	482	0	1	1	1
3	2446	0	1	1	0
4	1312	0	0	0	0
5	2556	1	1	0	1

2. Reformat the Data

	item_id	test_assignment	test_number	
1	2833	0	item_test_1	2020-03-01 00:00:00
2	2928	1	item_test_3	2020-03-01 00:00:00
3	1214	0	item_test_6	2020-03-01 00:00:00
4	2106	0	item_test_6	2020-03-01 00:00:00
5	2556	1	item_test_5	2020-03-01 00:00:00

This table only shows the first 1,000 rows. View complete results in [Report Details](#).

3. Compute Order Binary

	test_assignment	item_id	order_t
1	0	1130	
2	1	1068	

order binary for 30days for item\_test\_2

A bar chart comparing 'item\_id' (blue bars) and 'order\_binary\_30days' (green bars) across two categories of 'test\_assignment': 0 and 1. The y-axis is labeled 'Values' and ranges from 0 to 1,250. For test\_assignment 0, the item\_id is 1,130 and the order\_binary\_30days is 341. For test\_assignment 1, the item\_id is 1,068 and the order\_binary\_30days is 319.

test_assignment	item_id	order_binary_30days
0	1,130	341
1	1,068	319

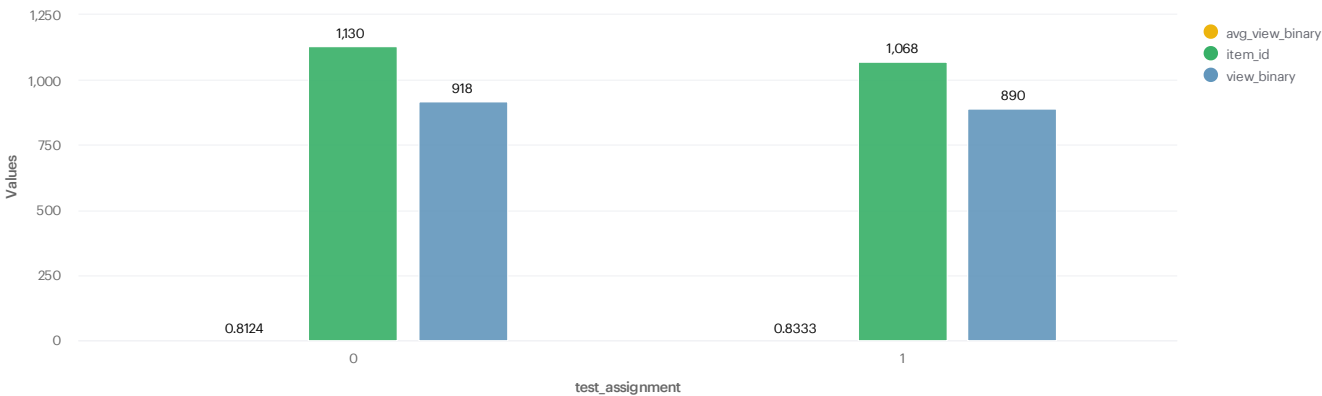
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p value 0.88  
Improvement of -14% - 12%

## 4. Compute View Item Metrics

	test_assignment	item_id	view_binary
1	0	1130	918
2	1	1068	890

view binary and average view binary for 30days



p-value: 0.20  
Improvement of -1.4% - 6.5%

## 5. Compute lift and p-value

No rows returned

The result in the third part gives a p- value of 0.88. which means the result is not significant compare to the control group.  
And the result in the fourth part gives a p-value of 0.20, it means the result is significant, but not strong enough compare to the contro group.