

## Summary of Findings

- Search to Product-View Conversion Rate: ~51%
- Product-View to Order View Conversion Rate: ~4%
- Product-Views from Search have a higher chance of converting to Order-Complete events than Product-Views not from Search, although the effect is small.



## Methodology

- Setup a Jupyter Notebook in a GitHub repository to perform research. Located here: <a href="https://github.com/CYINT/lily-test">https://github.com/CYINT/lily-test</a>
- Divided the problem into four steps:
- 1. Load the data into pandas and conduct data exploration.
- 2. Calculate the Search to Product-View conversion rate.
- 3. Calculate the Product-View to Order-Complete conversion rate.
- 4. Form hypotheses about patterns in the data and test those hypotheses using appropriate data science techniques.

More details located in the Jupyter notebook found here: <a href="https://github.com/CYINT/lily-test/blob/main/analysis.ipynb">https://github.com/CYINT/lily-test/blob/main/analysis.ipynb</a>

## Recommended Follow Up Research

1

Collect and Analyze data from search bounces to determine why some searches do not convert into product views. 2

Improve data collection to ensure that better funnel tracking is implemented, search data is tracked. 3

Research search types to determine if certain searches result in better conversion rates.