

Know the customer. Know the company.

earnest

Ask the Experts: Competitive Benchmarking Powered by CLV Ultra

CLV Ultra is Theta's breakthrough CLV model that combines unprecedented accuracy with a high degree of automation

RFM-based Models

Pros:

- Easy to use
- High automation

Cons:

- Low accuracy
- No covariates (e.g., seasonality or business dynamics)
- Can't value new customers

BTYD Models (publicly available)

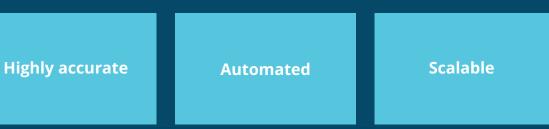
Pros:

- More accurate than RFM
- Reasonable way to model customer behavior

Cons:

- Highly manual
- Limited covariates (except for some proprietary models)
- Additional effort required to value new customers

CLV Ultra





Next Generation: CLV Ultra

Usually, there is a tradeoff between accuracy and automation

But we have created a model that **automatically and simultaneously**:

- Detects seasonality and other covariates
- Jointly estimate all cohorts to capture cross-cohort effects
- Accurately values new customers

CLV Ultra combines customer behavior models with advanced machine learning to automatically detect and decompose covariates

CLV Ultra

Highly Accurate

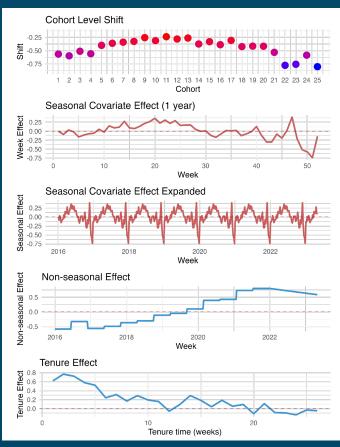
- Estimates cohorts jointly, more accurately capturing cross-cohort dynamics and customer behavior evolution
- Detects and decomposes covariates into seasonal, non-seasonal, and tenure effects
- Can incorporate a wide variety of covariates all the way down to the customer level

Automated

• Fully automated, dramatically reducing the time to validate the model and generate insights

Scalable

• Efficiently processes data for hundreds of millions of customers, making it ideal for large-scale applications



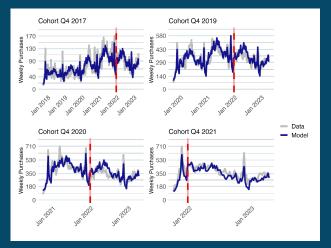
This results in quicker and even more impactful CLV improvement opportunities

Much more easily accommodates managerially relevant decision variables

Better accuracy, especially for newer customers (very important for growing companies!)

Substantially shorter turnaround times

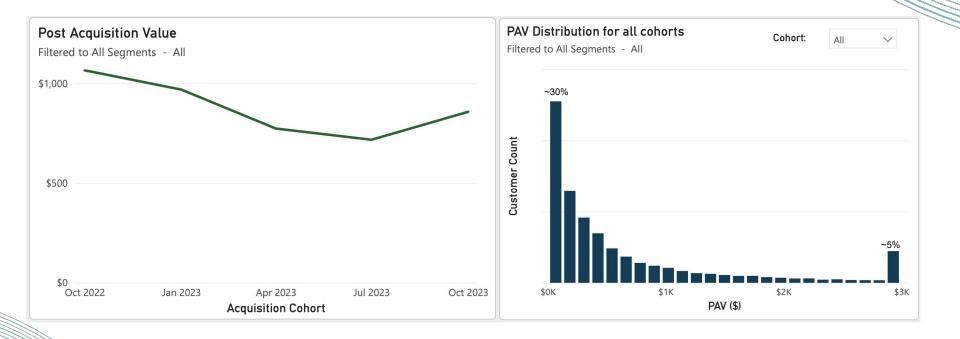
Model outputs that are **easier to interpret**, showing critical business dynamics and CLV drivers



Temu Unit Economics

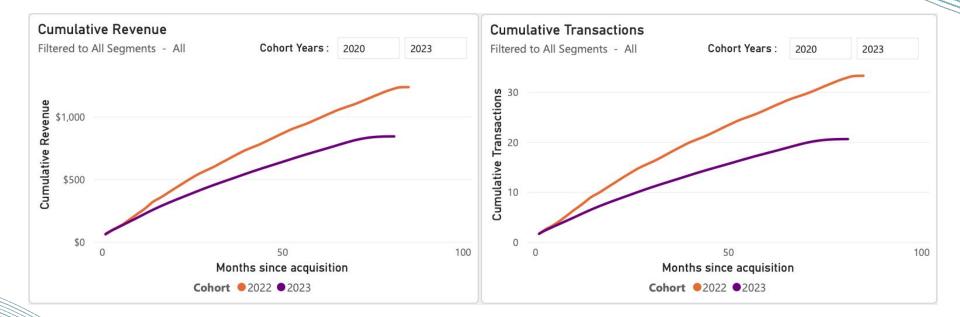


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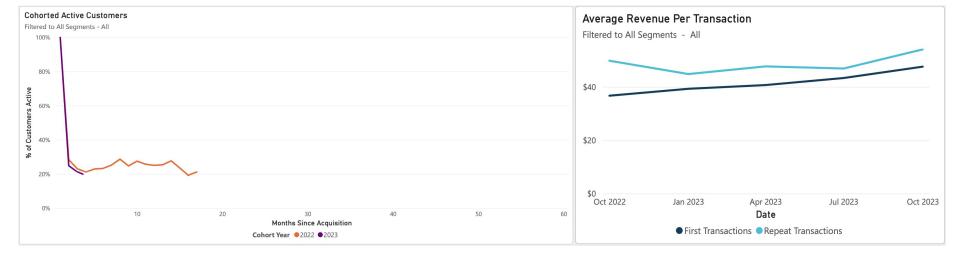


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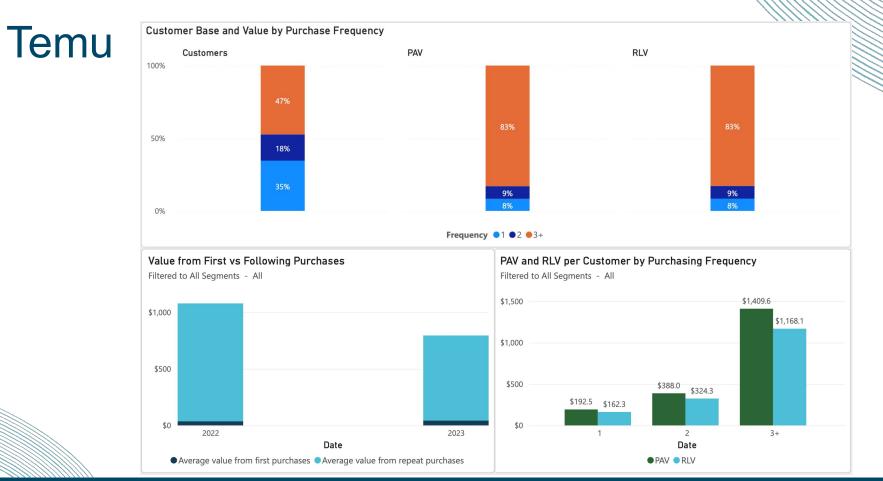




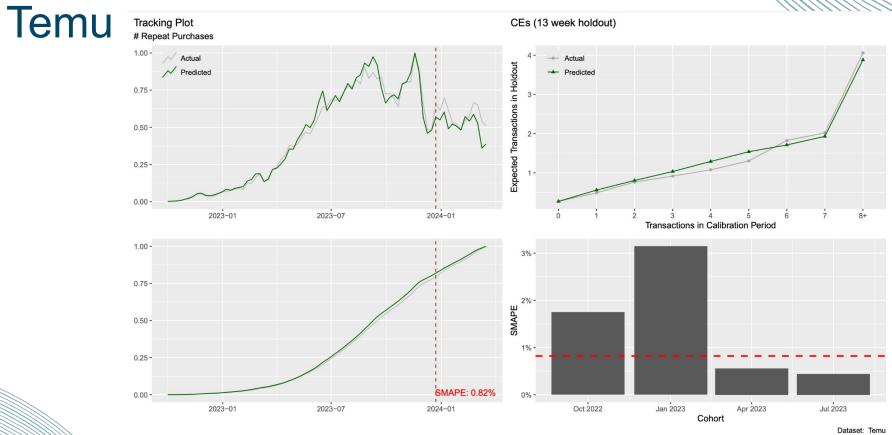








Ø Theta

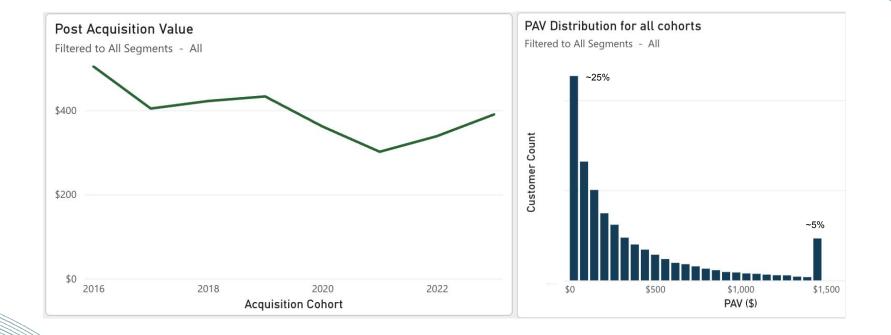


() Theta

Etsy Unit Economics

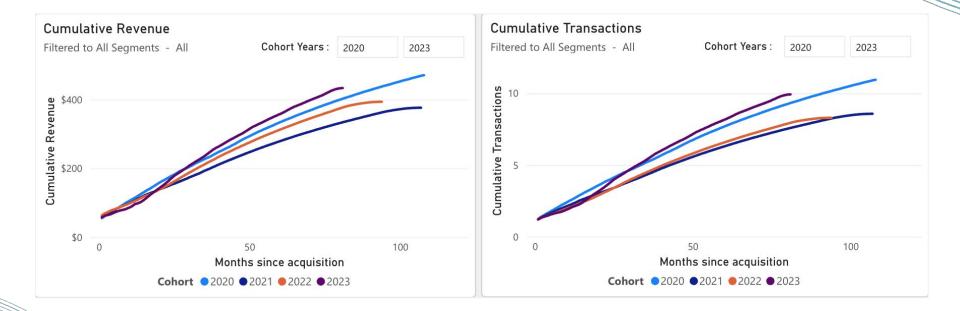






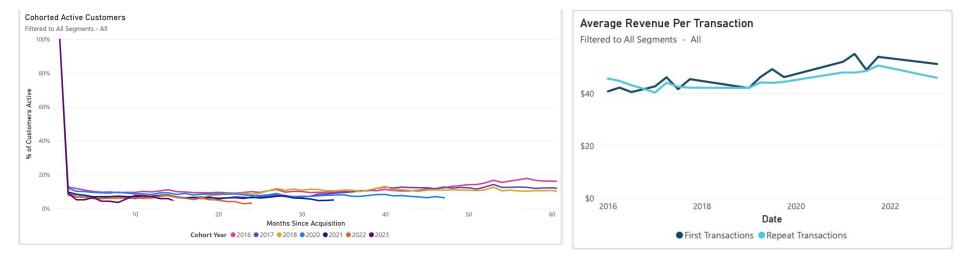


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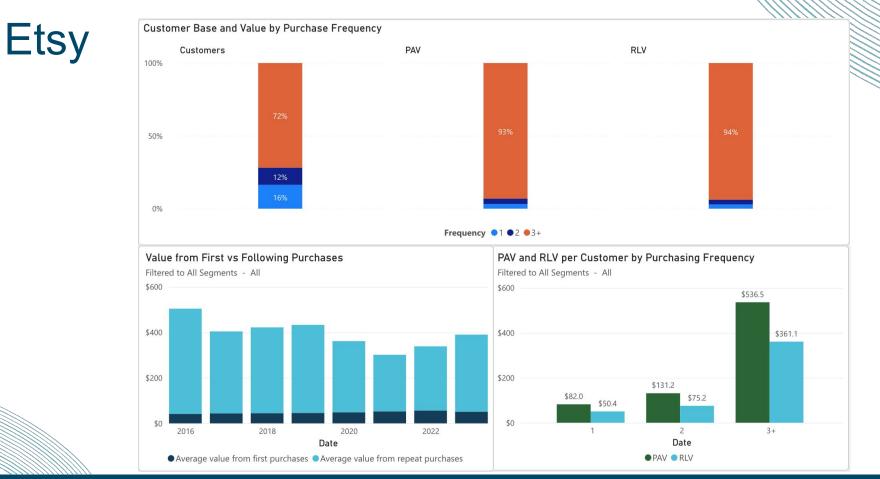




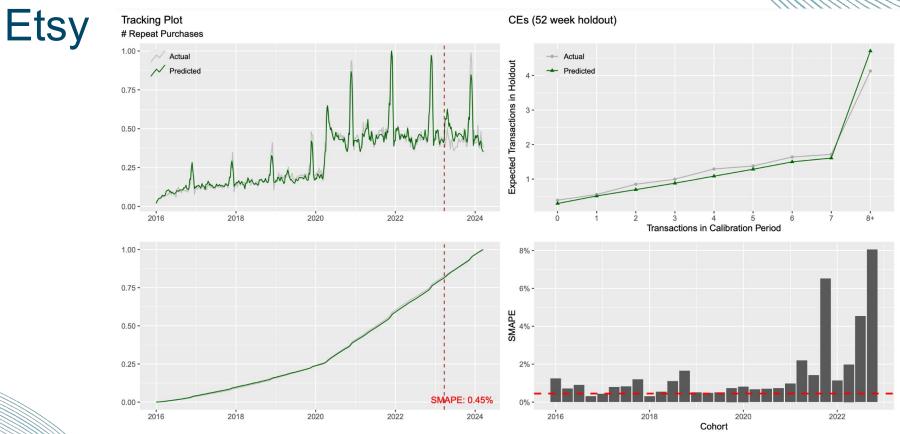








() Theta



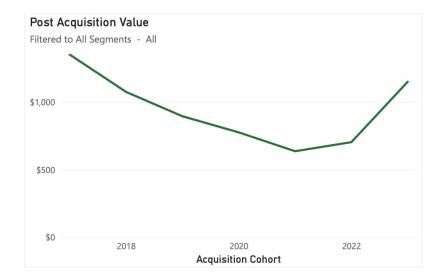
Dataset: Etsy

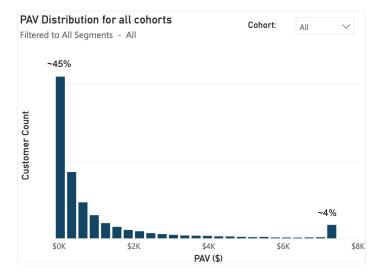
O Theta

Walmart Unit Economics



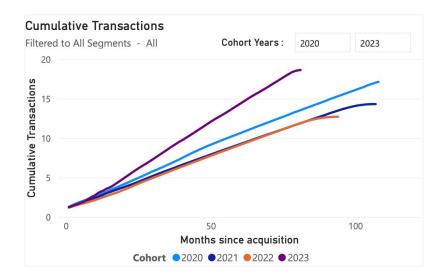
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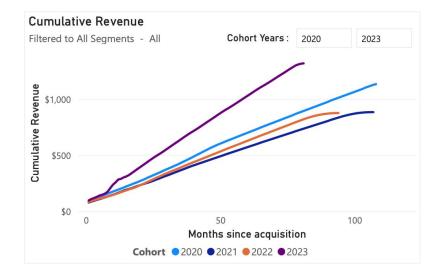






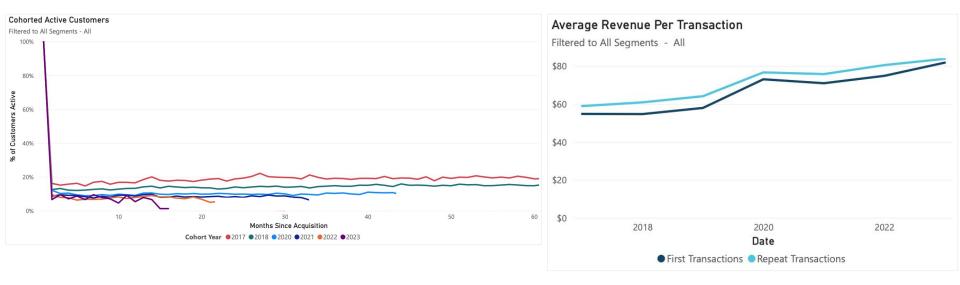
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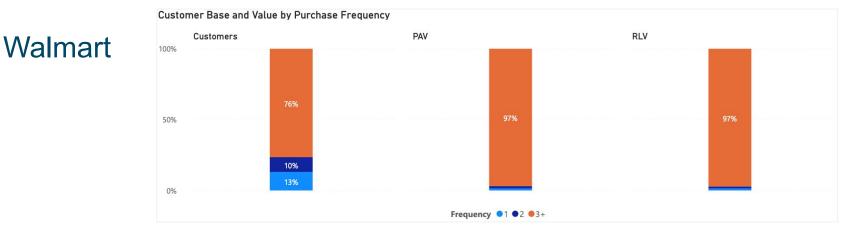


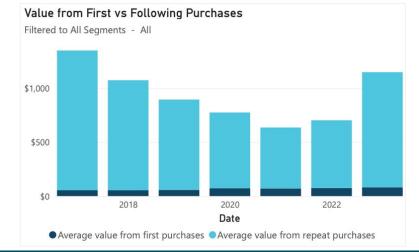


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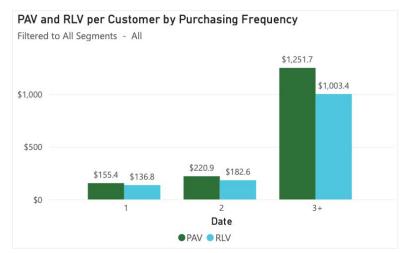


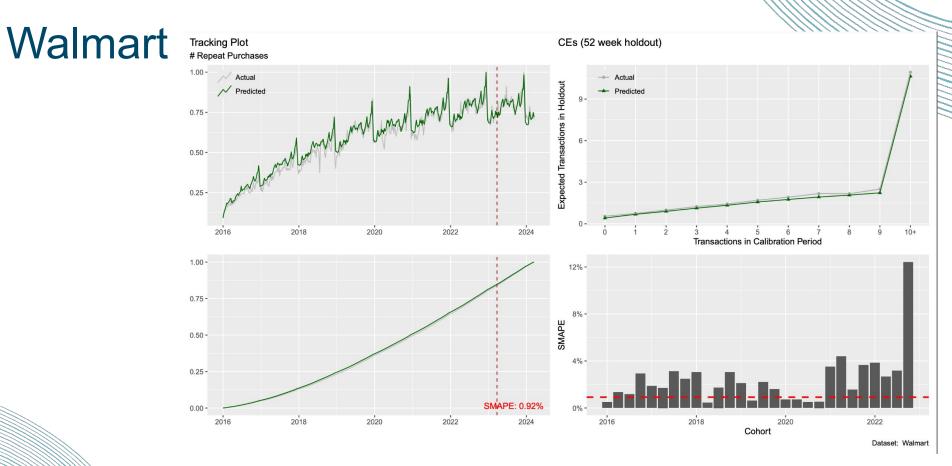






neta



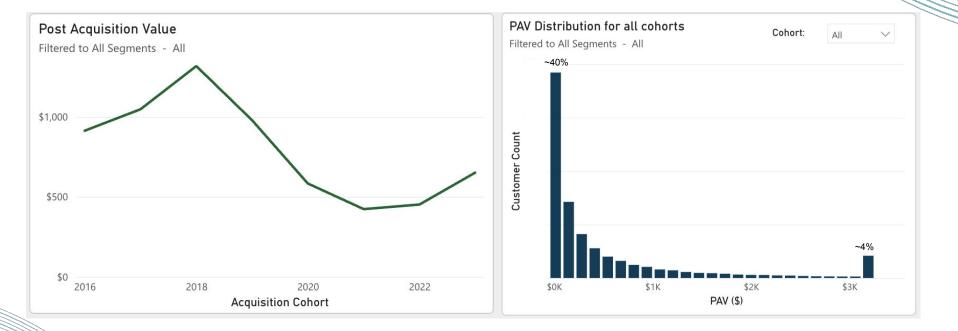


O Theta

Ebay Unit Economics

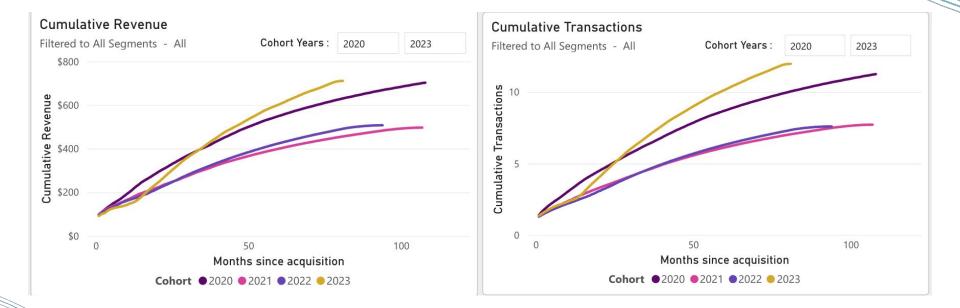






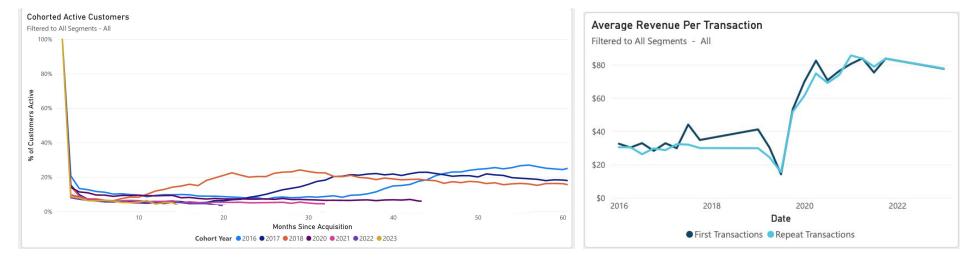


Ebay

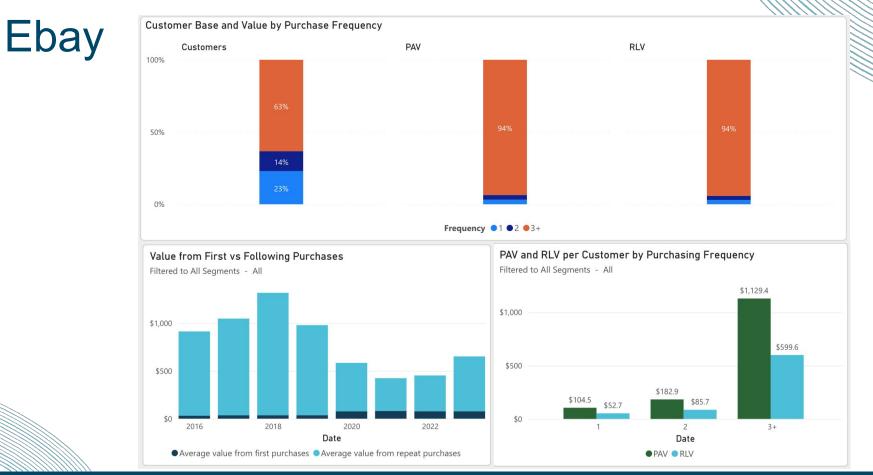




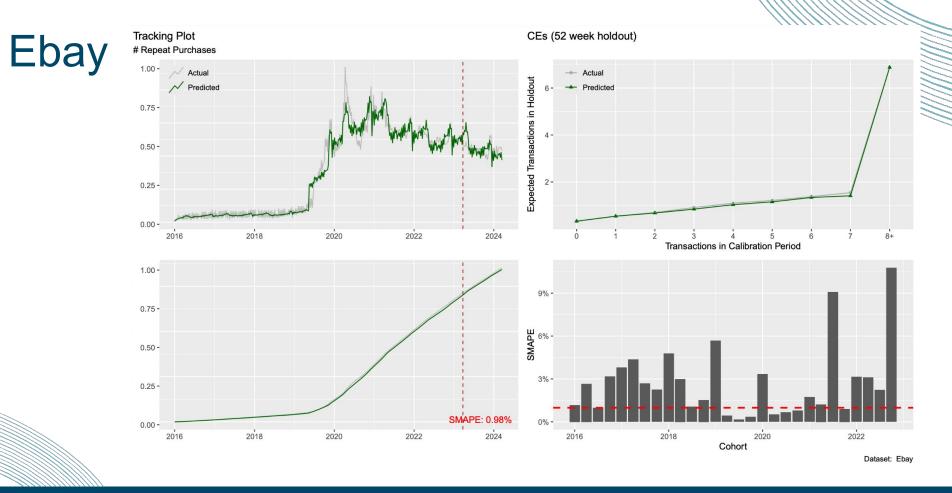








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Benchmarking



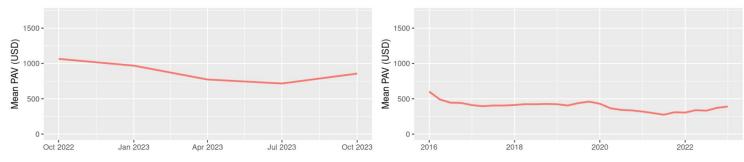
Post Acquisition Value (PAV)

PAV

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Post Acquisition Value (PAV)



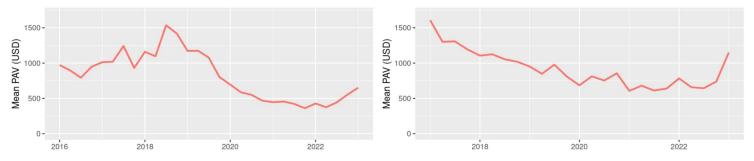


Post Acquisition Value (PAV)



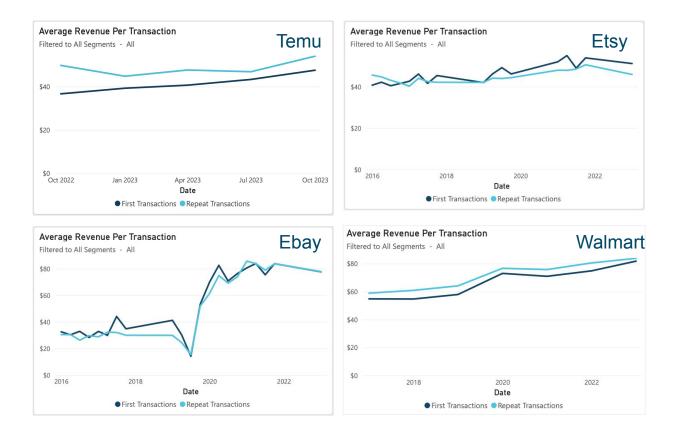
Post Acquisition Value (PAV)





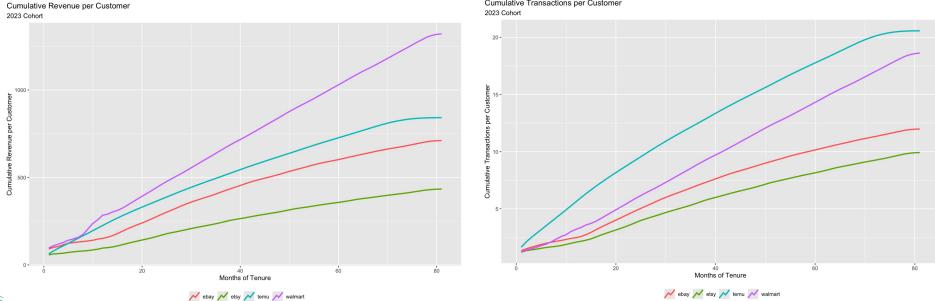


AOV





Cumulative Revenue



Cumulative Transactions per Customer

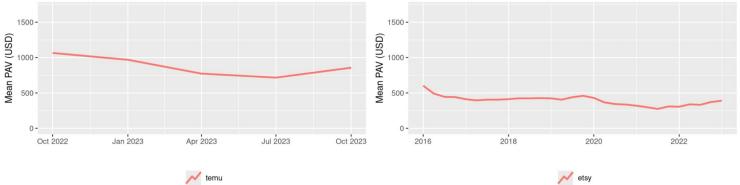


Appendix



Post Acquisition Value (PAV)

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Post Acquisition Value (PAV)

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