Transactions prediction model

Pablo Saldarriaga pablosa@gohubtek.com

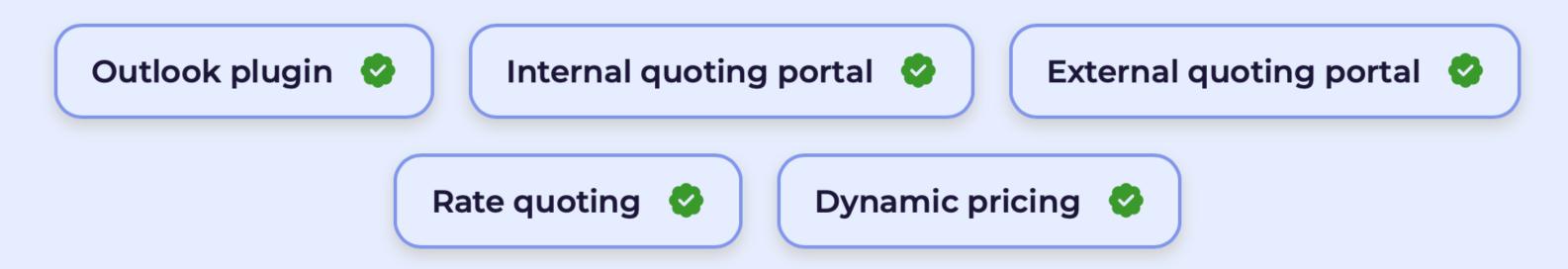




Rate Management System

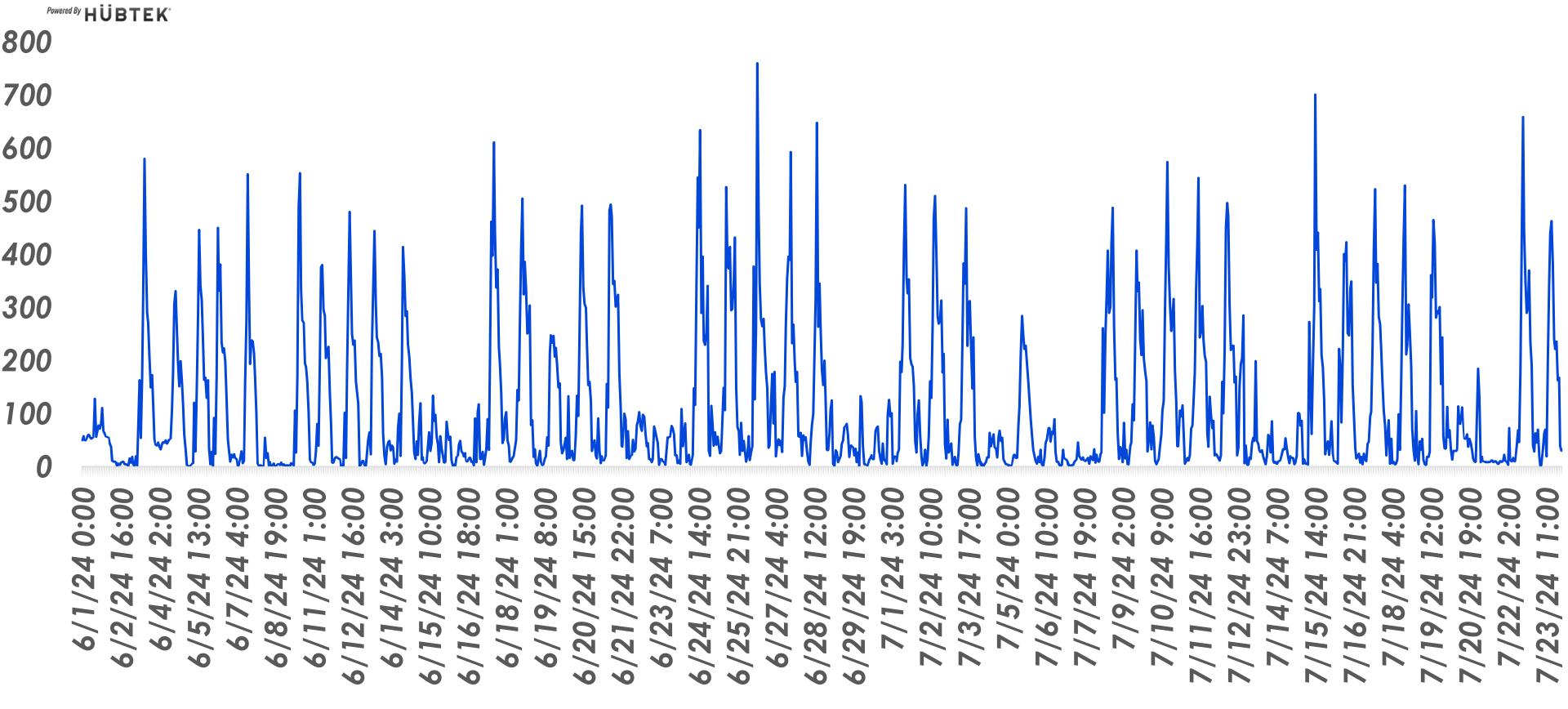
Our automation platform streamlines repetitive and high volume tasks

Tabi versatility and flexibility allows you to automate a wide range of logistics activities

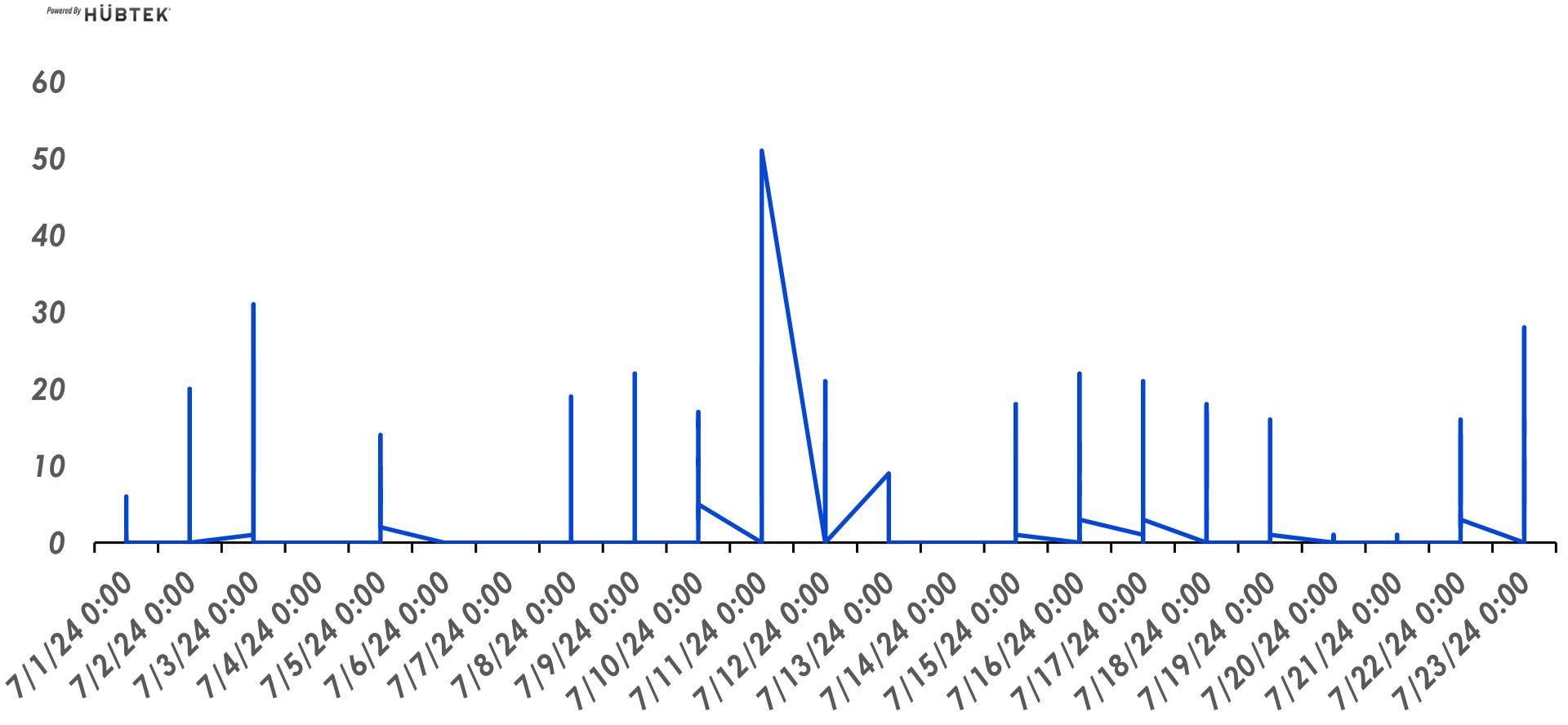


Tabi Connect rate management system empowers logistics service providers to automate, capture and analyze 100% of the rate requests that flow through their company.

Tabi Current Situation



Tabi Current Situation





Identify RPA processes that are underperforming in terms of transaction volume

83+

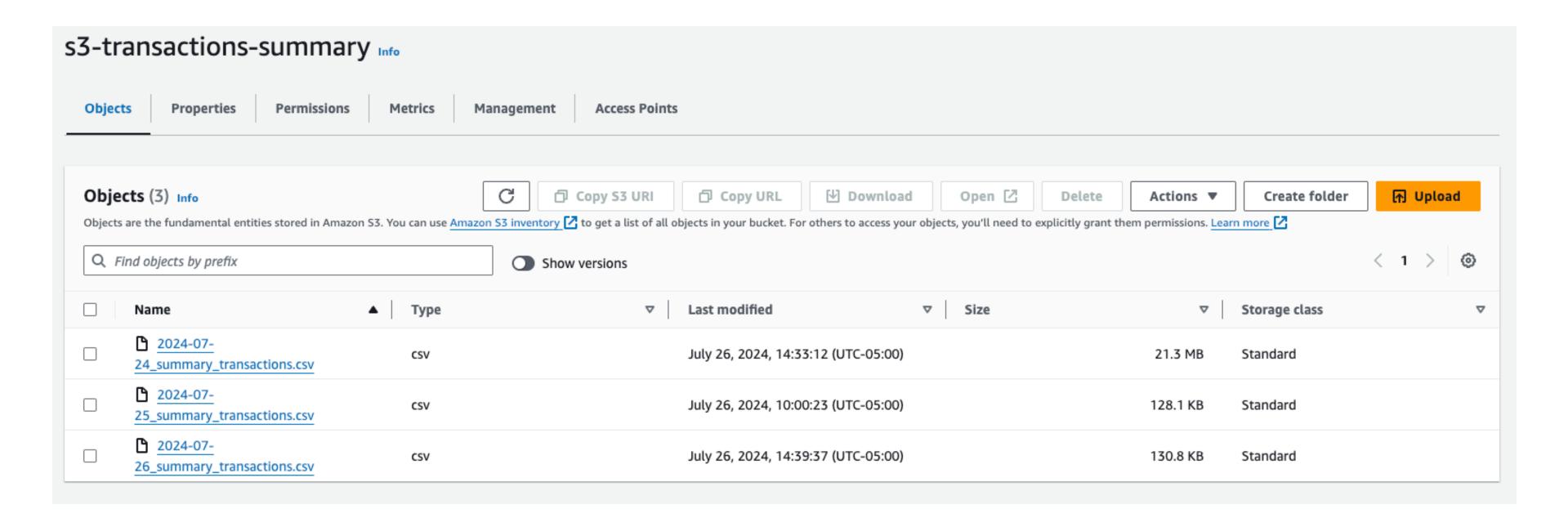
645+

Brokers

Shippers



Information Transfer – S3 Bucket



Tabi Connect Data Sample Powered By HÜBTEK*

time_window	company_id	customer_id	transaction_type	transactions_amount
2023-01-01 09:00:00	58.0	233.0	Quotes	4
2023-01-01 09:00:00	71.0	267.0	Quotes	16
2023-01-01 10:00:00	57.0	137.0	Quotes	1
2023-01-01 10:00:00	34.0	170.0	Quotes	1
2023-01-01 10:00:00	34.0	173.0	Quotes	49
2023-01-01 18:00:00	22.0	244.0	Quotes	3
2023-01-02 09:00:00	71.0	104.0	Quotes	1
2023-01-02 09:00:00	58.0	115.0	Quotes	59
2023-01-02 09:00:00	71.0	267.0	Quotes	2
2023-01-02 10:00:00	93.0	15.0	Quotes	1
2023-01-02 10:00:00	57.0	132.0	Quotes	7
2023-01-02 10:00:00	57.0	133.0	Quotes	134

Tabi Heads up/Ideas Powered By HÜBTEK

- ✓ Include missing time windows as 0 transactions
- ✓ ARIMA model, Statistical models, Non-parametric models, ML models
- ✓ Check for homoscedasticity
- ✓ General model VS particular models
- ✓ Interesting phenomena:
 - ✓ Total transactions prediction
 - ✓ Total quoted transactions prediction
- ✓ The date field is in UTC-0 format
- ✓ Confidence bands for prediction





Than Kyou

Do you have any question?