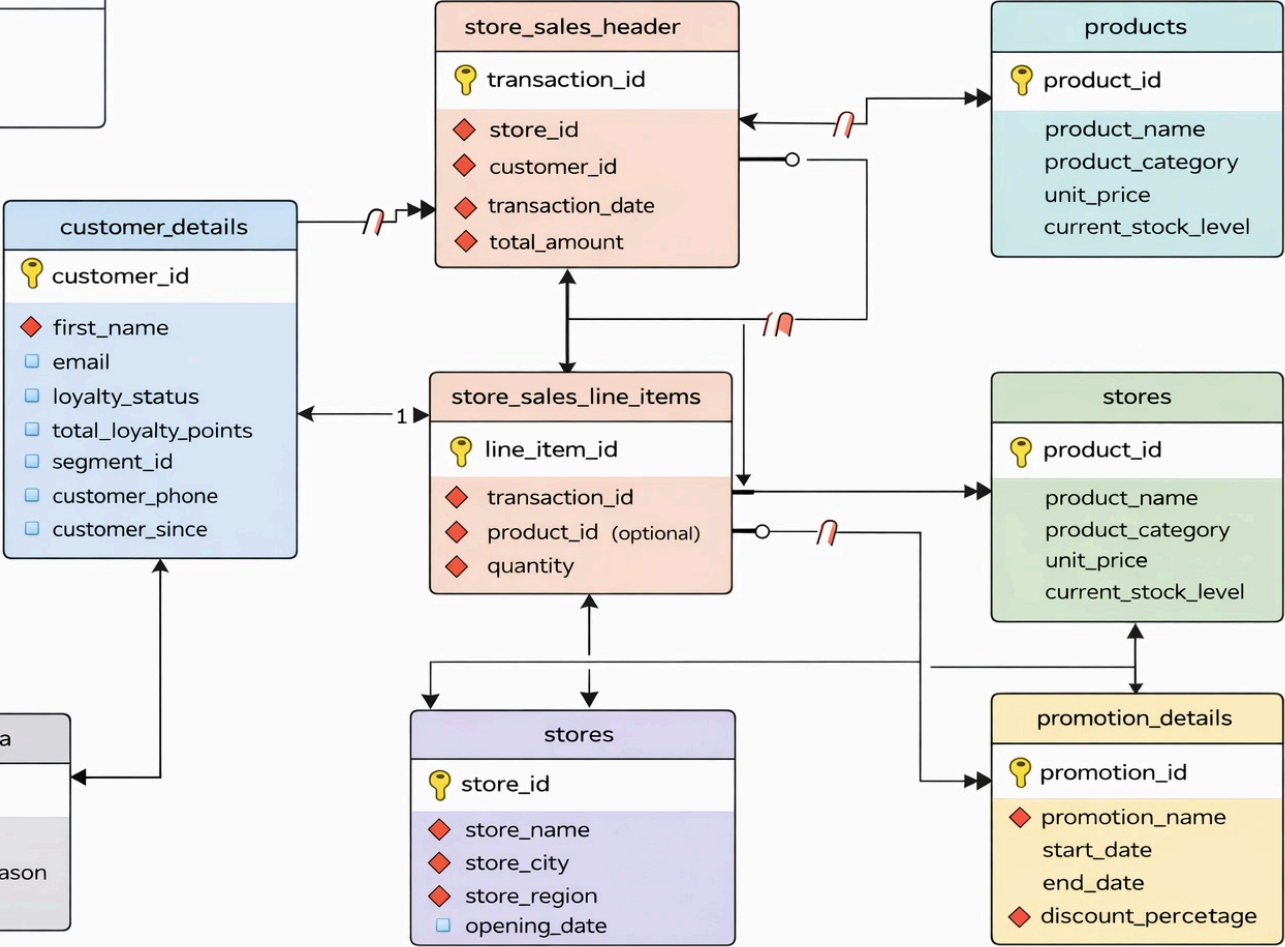


ER Diagram

Primary Key

Foreign Key






30-Day Customer Lifetime Value (CLV) Prediction

Predict short-term customer spend using **Random Forest + Ridge/Lasso** and **RF + XGBoost + Ridge/Lasso** models.


- Pipeline ⓘ
- ☒

 Full Pipeline (Upload → Clean → Load to DB → Predict)
- ☐ Quick Predict only

Upload Excel or CSV file (uncleaned for Full Pipeline)

 Drag and drop file here
Limit 200MB per file • XLSX, XLS, CSV

Browse files

 online_retail_IL.csv 90.5MB

X

Original rows

Clean rows (loaded to DB)

Rejected rows

1067371

779495

261751

Rejection reasons: {'Null CustomerID': 243007, 'Cancellation invoice': 18744}

✔ Predictions ready for 5881 customers

Model 1 (RF+Ridge+Lasso) R²

0.2129

Model 2 (RF+XGB+Ridge+Lasso) R²

0.1796

Predictions Preview

	customer_id	r2_model1	r2_model2	predicted_30d_spend_model1	predicted_30d_spend_model2	predicted_no_of_products
0	12346	0.2129	0.1796	6018.9234	2606.3008	216
1	12347	0.2129	0.1796	2470.3259	2719.3862	130

Original rows
1067371

Clean rows (loaded to DB)
779495

Rejected rows
261751

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1	12347	0.2129	0.1796	2470.3259	2719.3862	130
2	12348	0.2129	0.1796	2423.498	2725.7067	129
3	12349	0.2129	0.1796	3774.3999	3049.0978	171
4	12350	0.2129	0.1796	578.7557	591.0622	29
5	12351	0.2129	0.1796	2611.8691	2173.3846	120
6	12352	0.2129	0.1796	2475.8547	2602.5303	127
7	12353	0.2129	0.1796	2618.7309	2510.2799	128
8	12354	0.2129	0.1796	1133.3494	1189.0323	58
9	12355	0.2129	0.1796	2459.8207	2650.6106	128

📄 Download Predictions CSV