

Vendor Feature Pattern Analysis

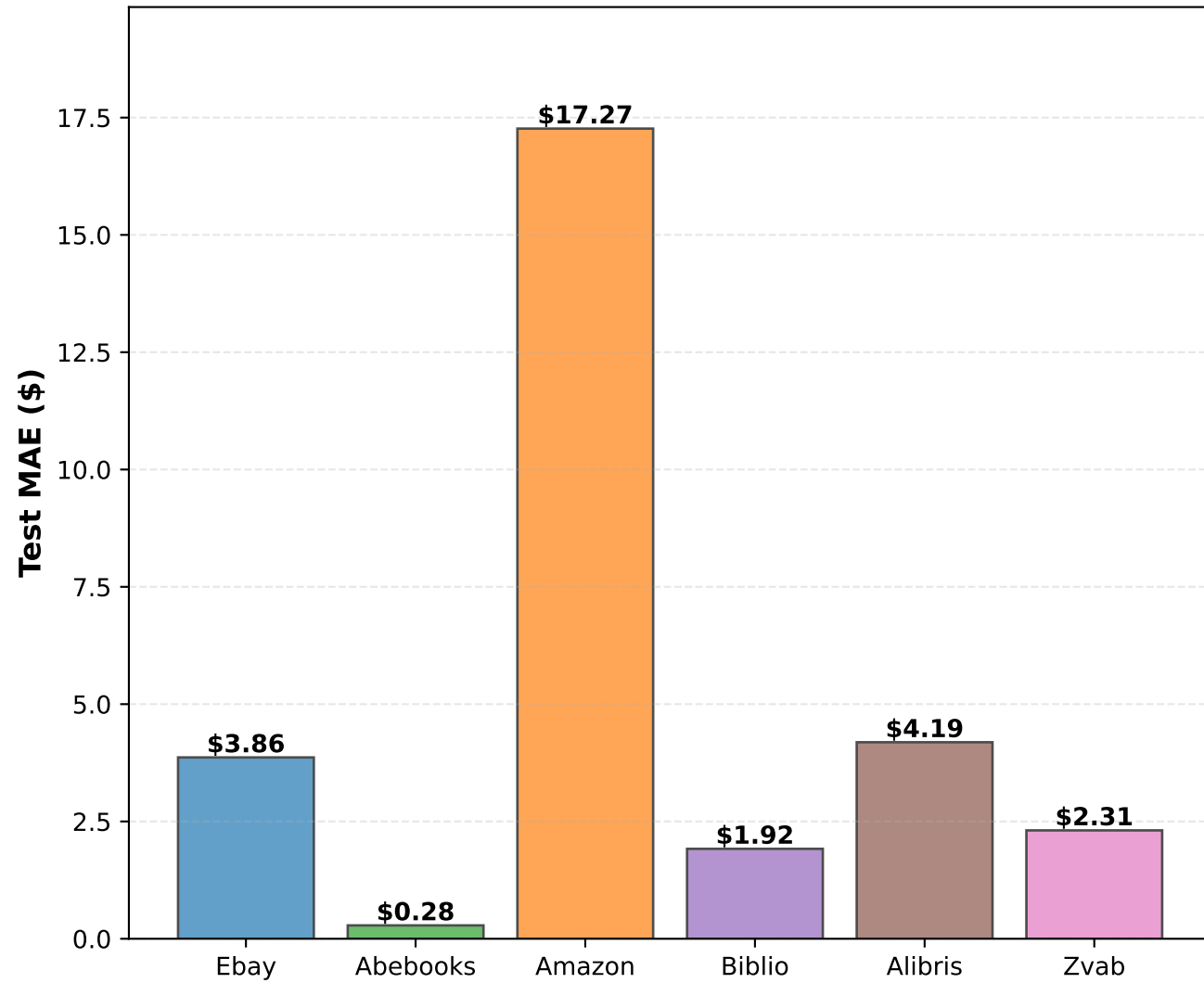
ML Model Feature Importance Across 6 Marketplaces

Generated: November 02, 2025

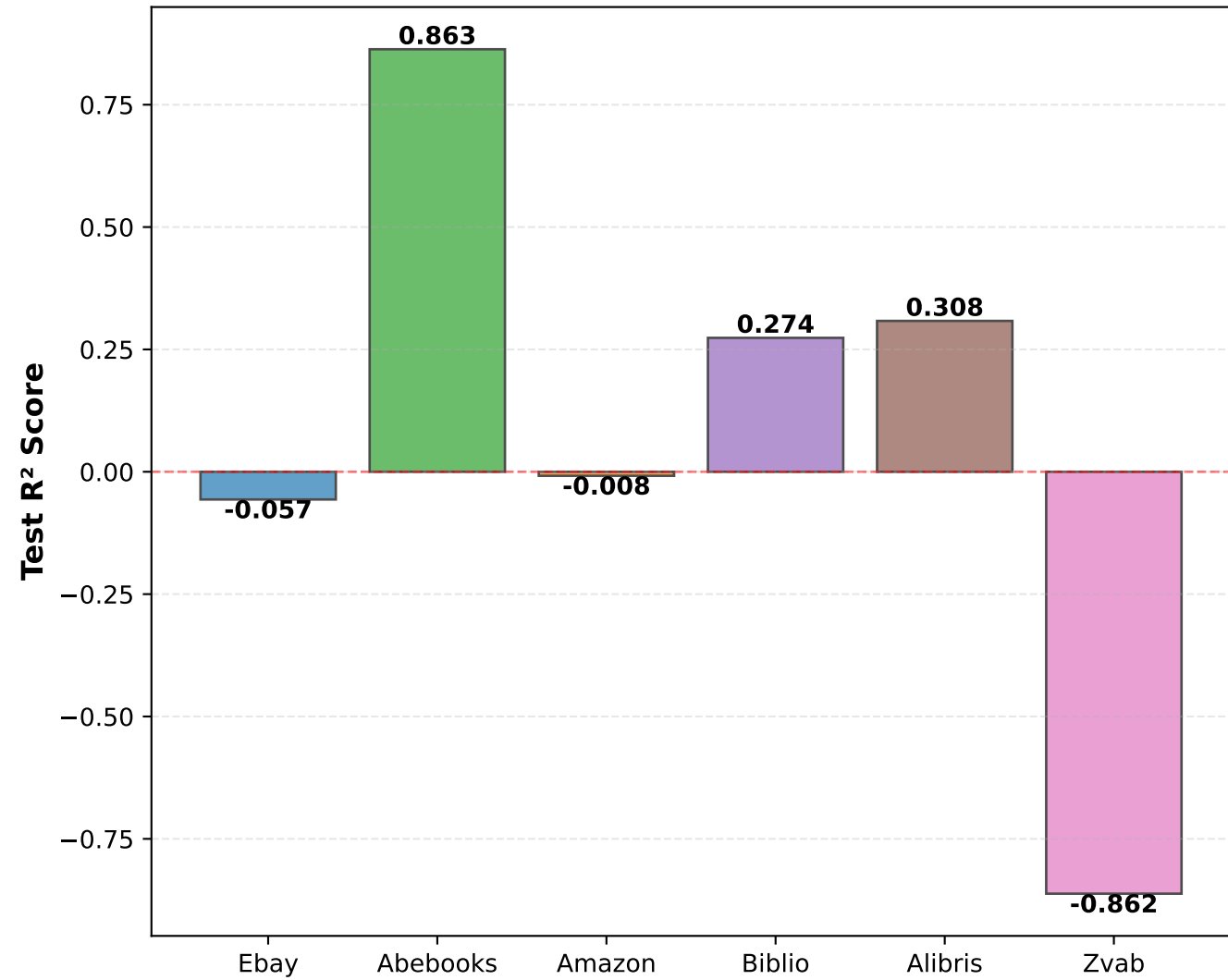
This report analyzes feature importance patterns across 6 vendor-specific ML models (eBay, AbeBooks, Amazon, Biblio, Alibris, Zvab) to identify:

- Which features are universally important vs vendor-specific
- Whether premiums (signed, first edition) are consistent across markets
 - BookFinder feature impact by vendor
- Why signed/first edition features show low importance

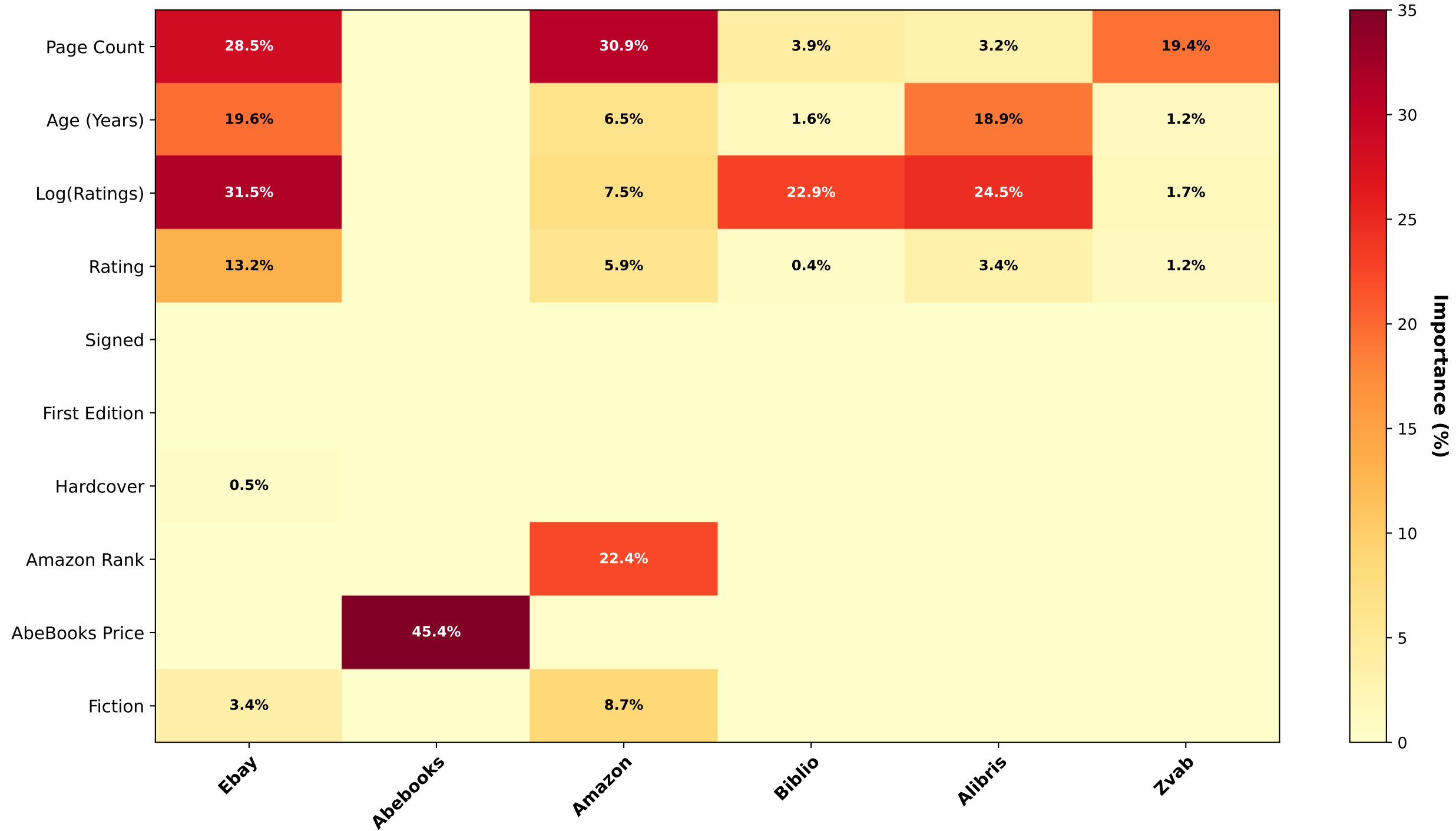
Model Performance: Test MAE by Vendor



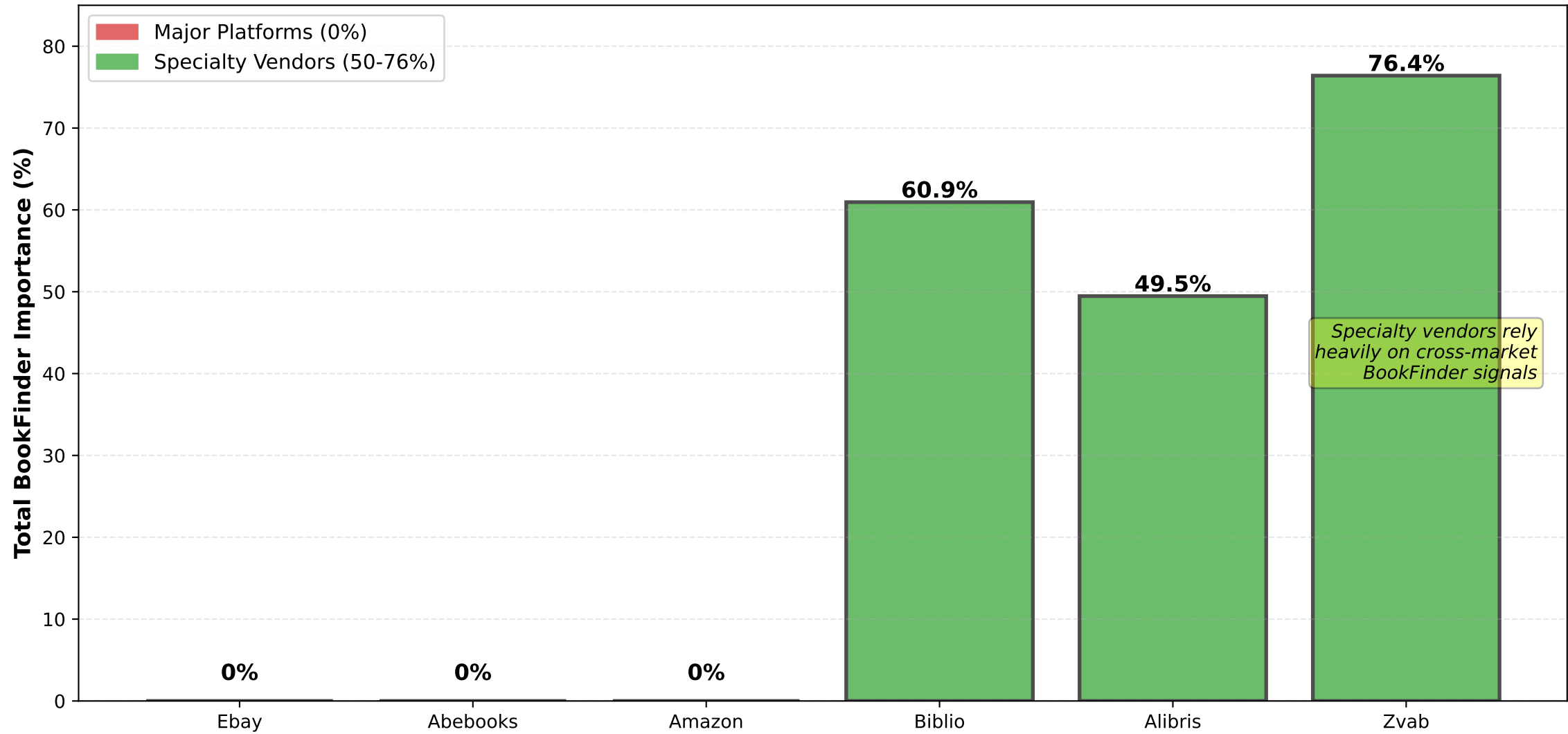
Model Performance: R² by Vendor



Feature Importance Heatmap: Key Features Across Vendors

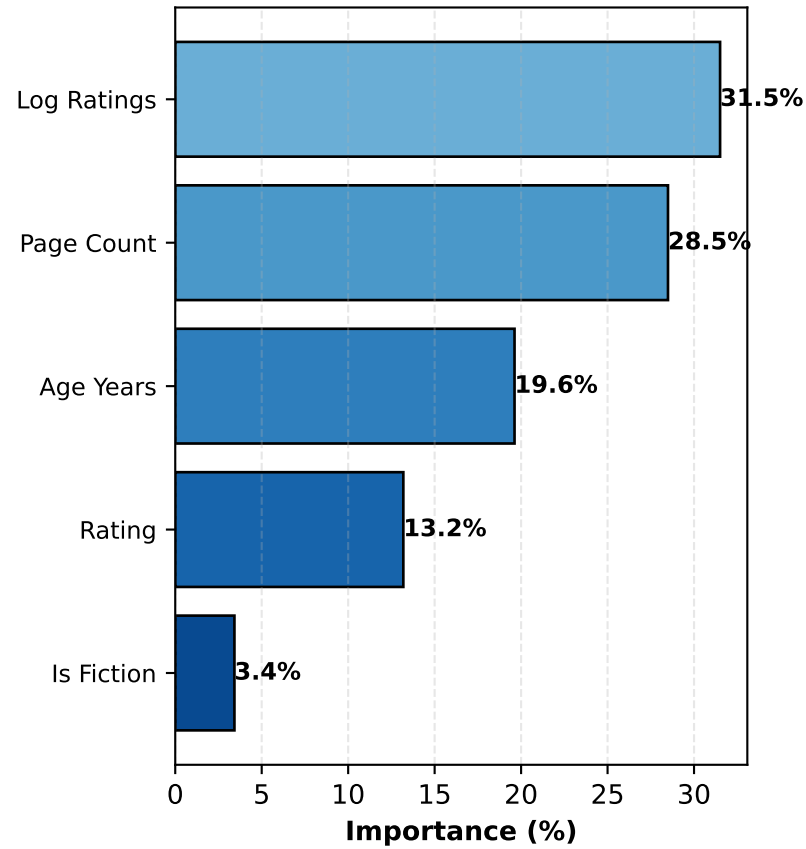


BookFinder Feature Importance by Vendor

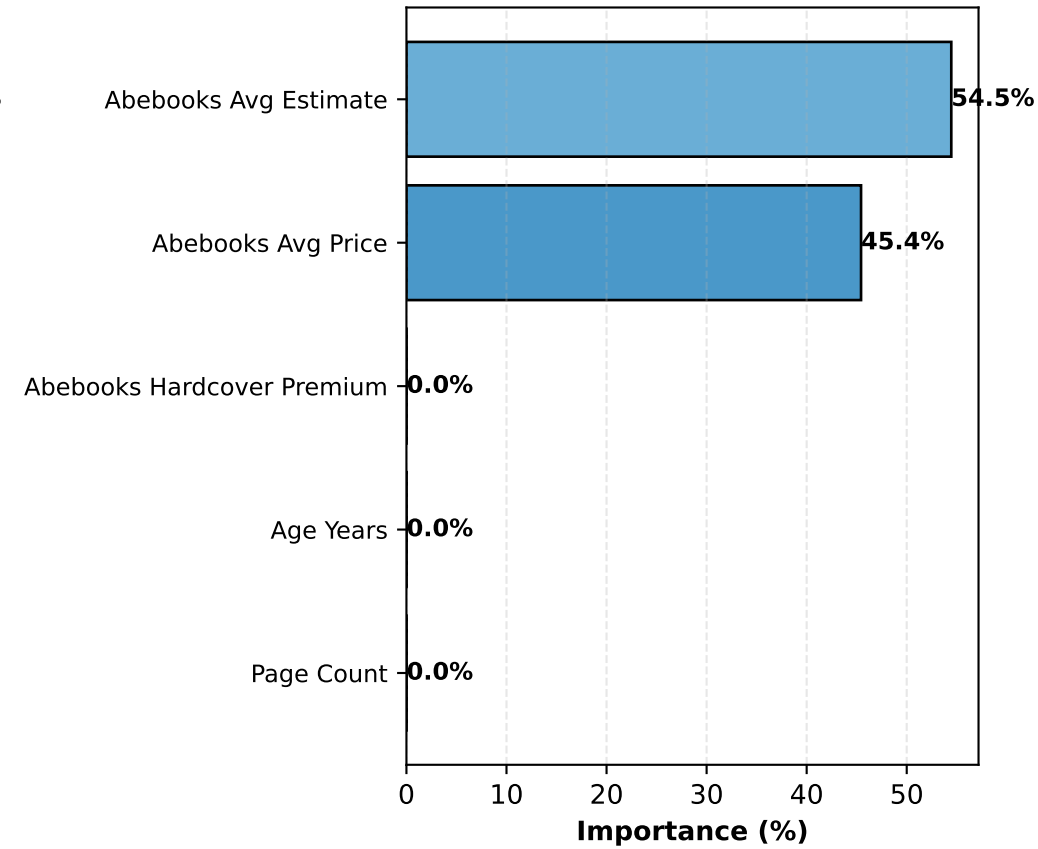


Top 5 Features by Vendor

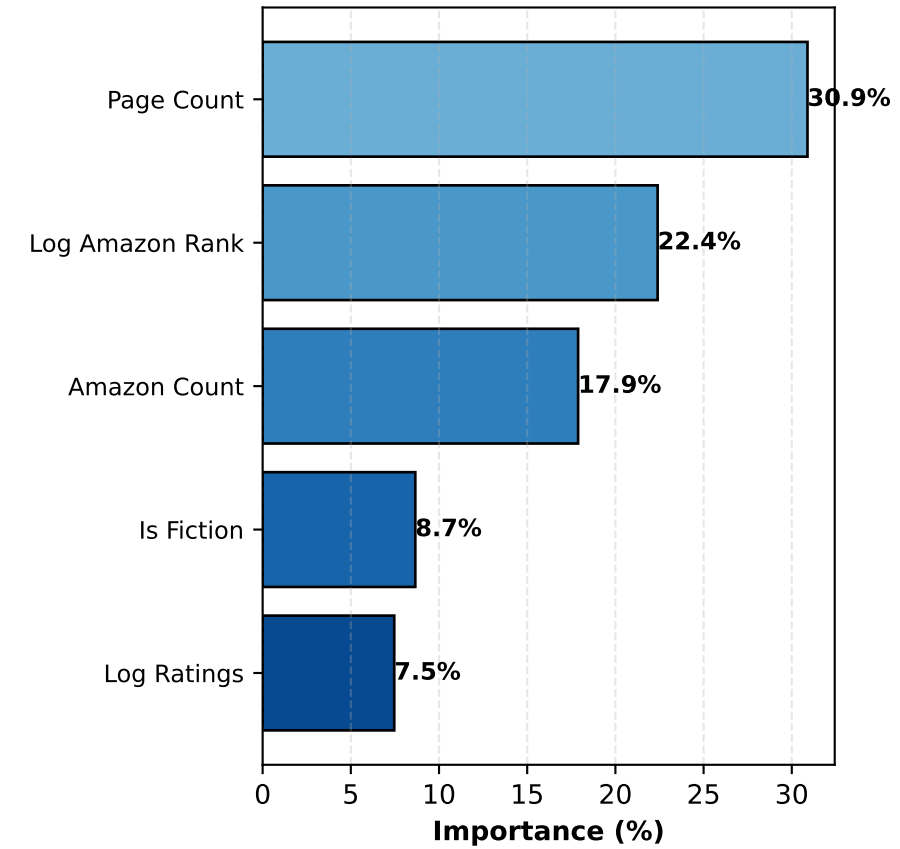
EBAY



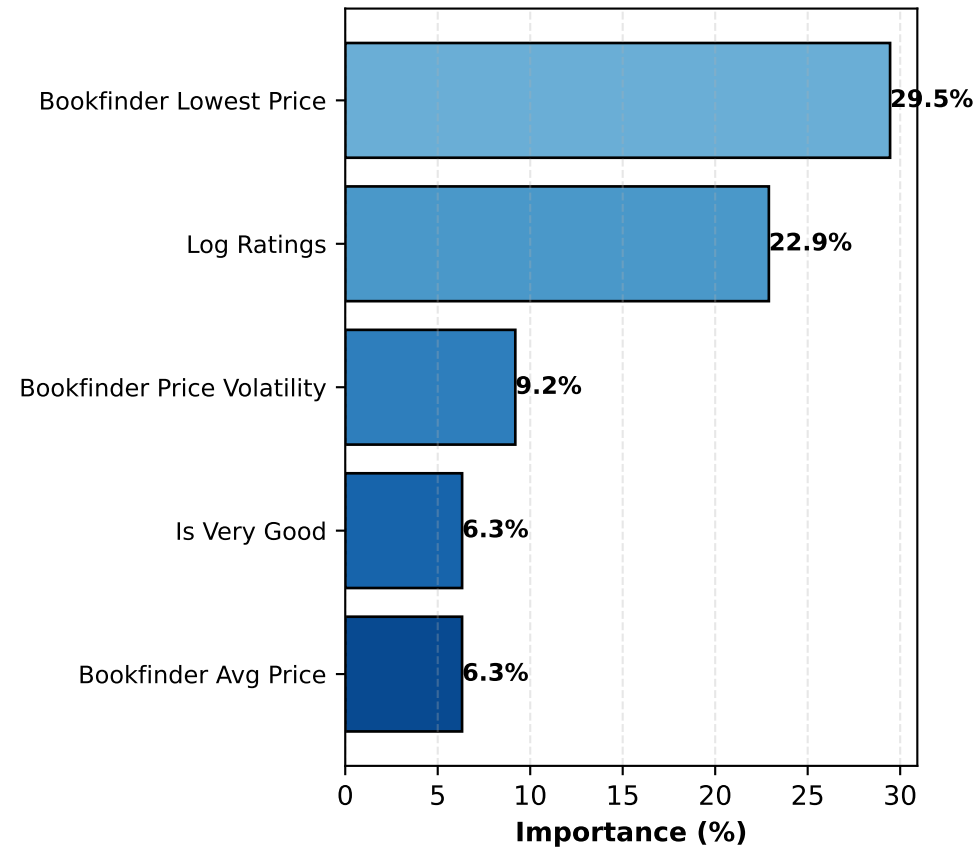
ABEBOOKS



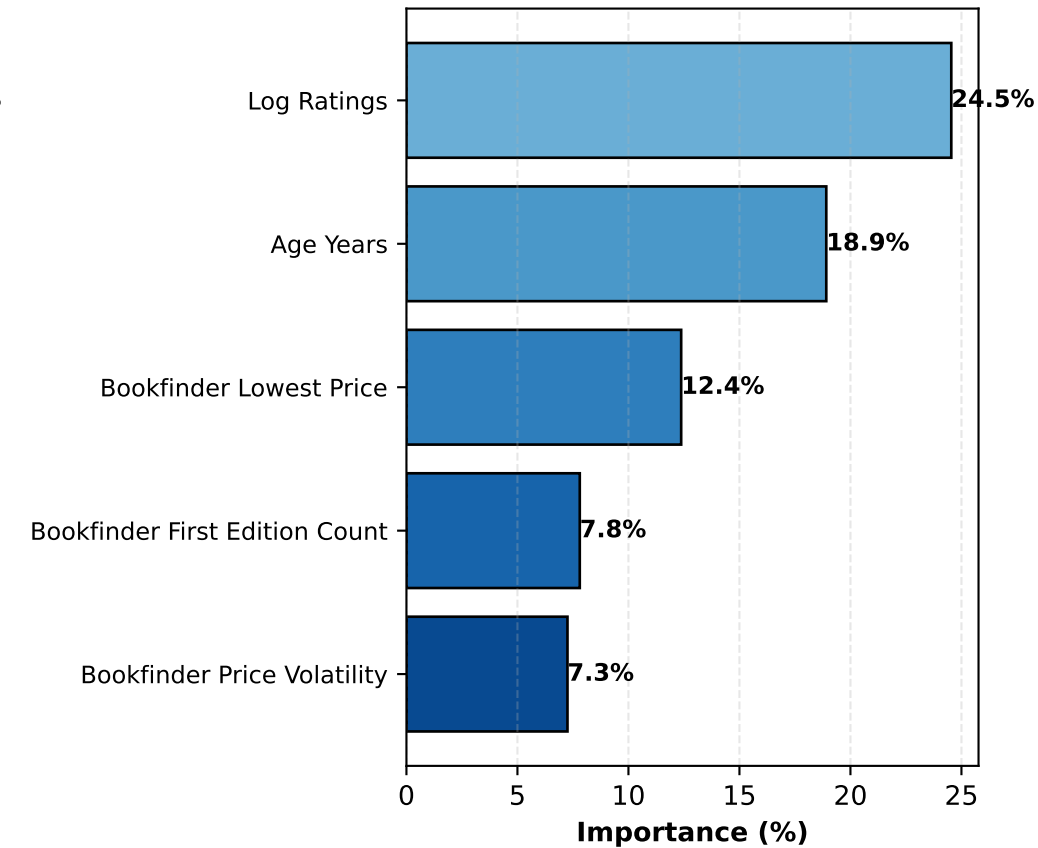
AMAZON



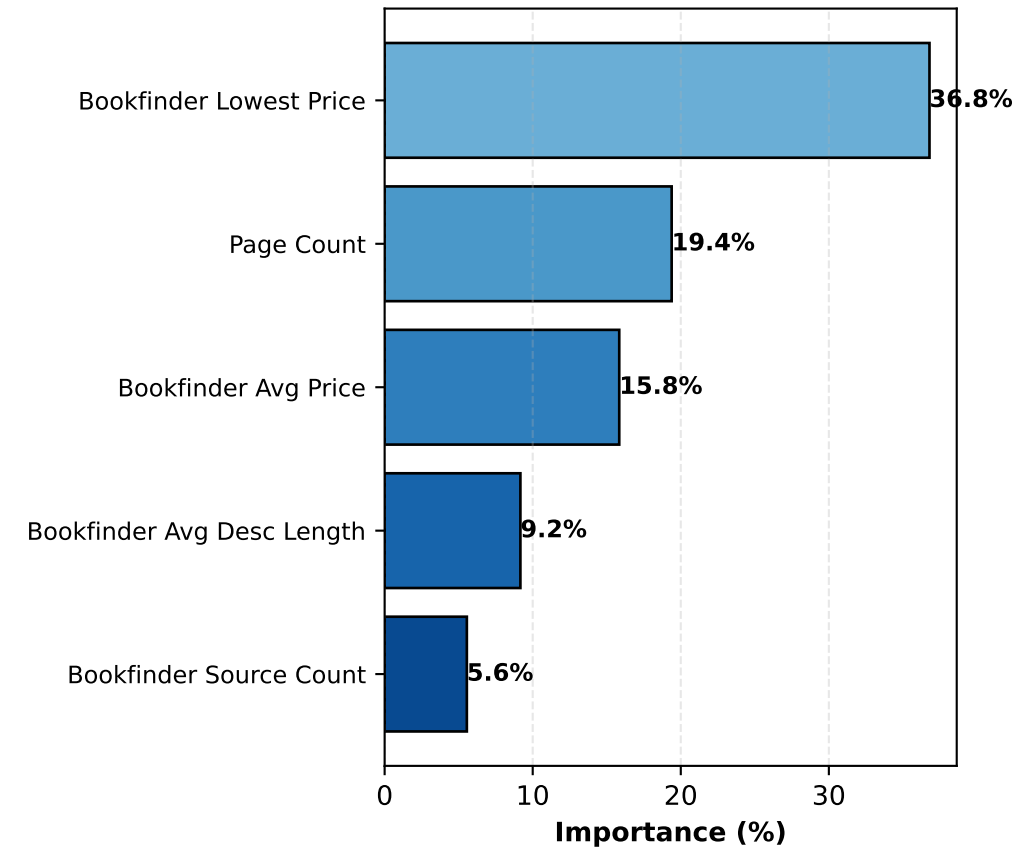
BIBLIO



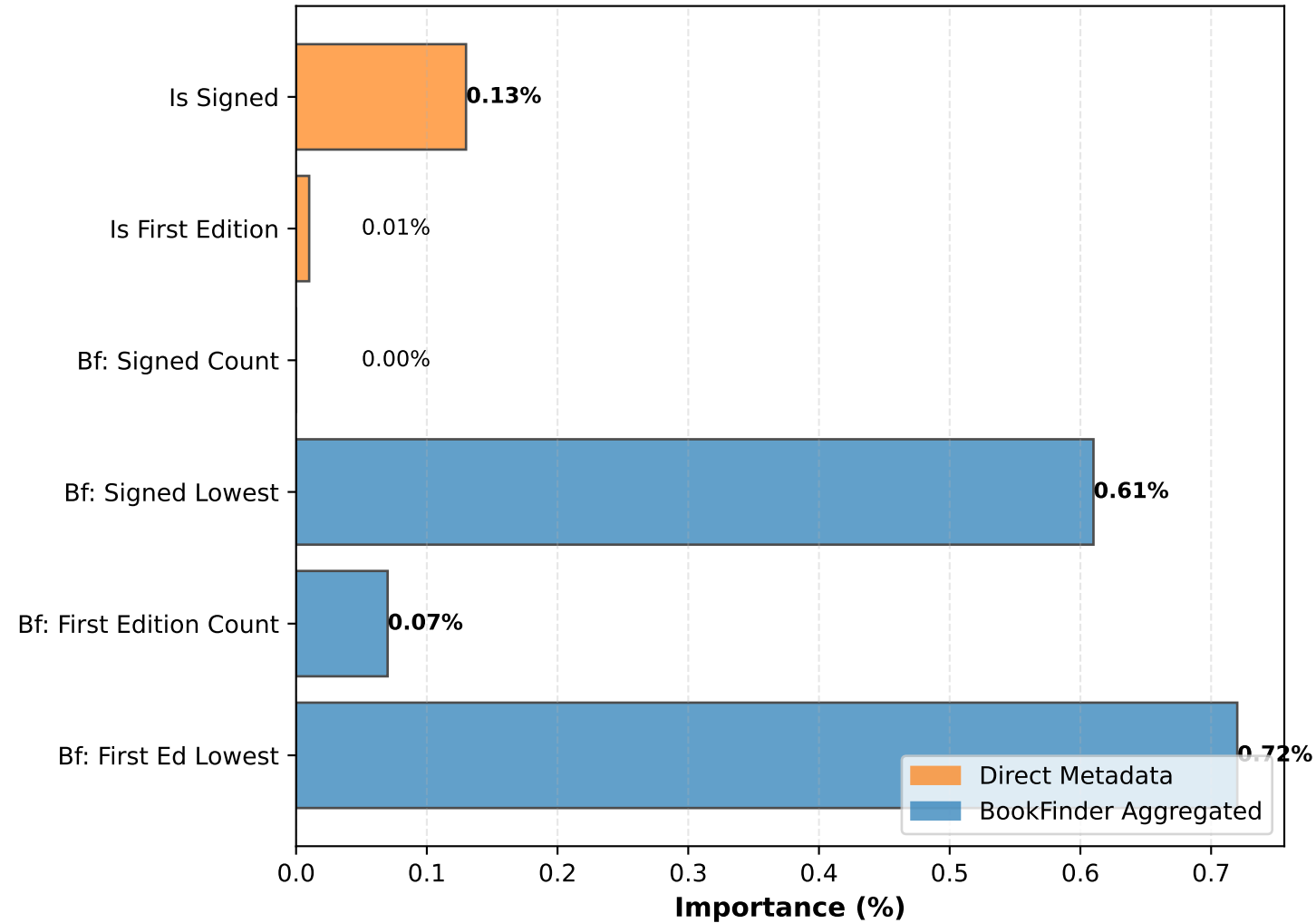
ALIBRIS



ZVAB



**Signed/First Edition Features
(Unified Model)**



**BookFinder First Edition Count
(Vendor Models)**

