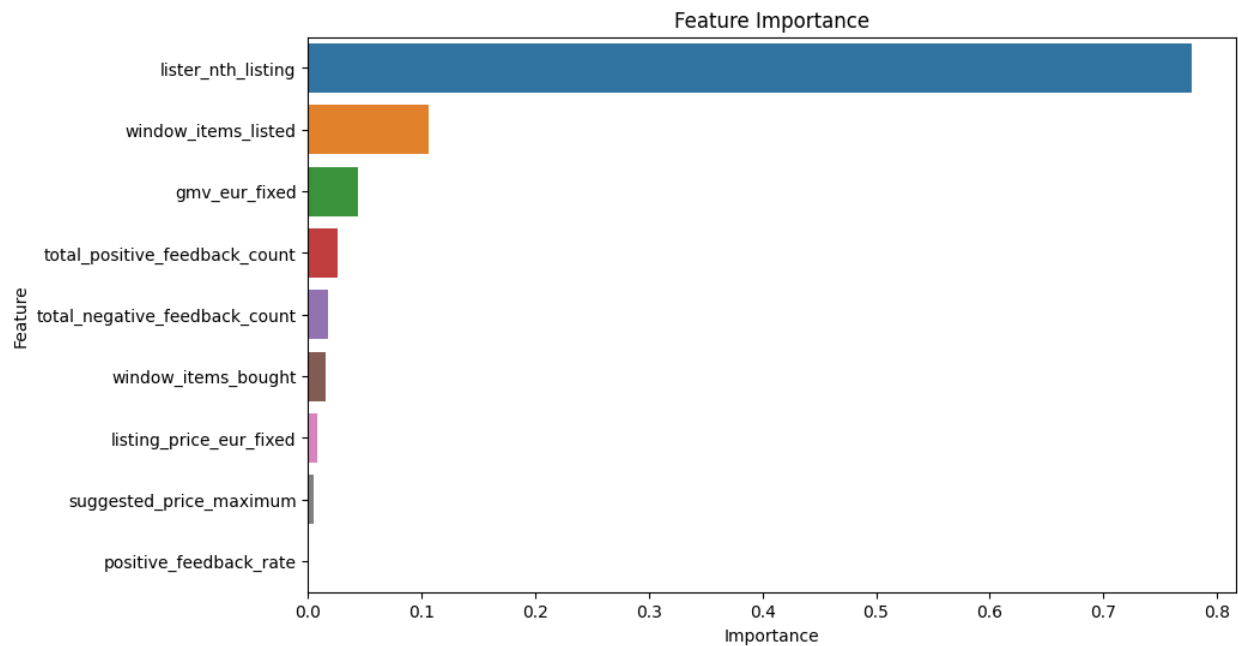


Features Importance and Mean Squared Error



Given that the machine learning model used is XGBoost, this chart represents the feature importance scores calculated by the XGBoost algorithm for each feature in the dataset. The mean squared error (MSE) of 47.5081 provides a measure of the model's predictive performance on the given task.

Starting from the top, the most important feature according to the XGBoost model is "lister_nth_listing," which likely represents the number of listings a seller has made on the platform. This suggests that the seller's experience, as measured by the number of listings, is a strong predictor of the target variable (e.g., sales performance or sales volume).

The next most important features are "window_items_listed" and "gmv_eur_fixed." "window_items_listed" could be the number of items a seller has listed within a specific time window, while "gmv_eur_fixed" may be related to the gross merchandise value in Euros, potentially representing the total sales or revenue generated.

Other notable features include "total_positive_feedback_count" and "total_negative_feedback_count," which capture the seller's feedback scores and can influence buyer behavior and sales.

Features like "window_items_bought," "listing_price_eur_fixed," "suggested_price_maximum," and "positive_feedback_rate" have relatively lower importance scores, but they still contribute to the model's predictions to some extent.

The MSE of 47.5081 indicates the model's average squared deviation between the predicted and actual values. For regression tasks, a lower MSE generally indicates better predictive performance, but other metrics like R-squared or RMSE should also be considered for a more comprehensive evaluation.