Modern Trading Analytics Report 📈

A Comprehensive Overview of Your Trading Performance

Introduction & Overview ✨

This report provides a concise and visually engaging analysis of recent trading activities. We delve into key metrics, identify significant trends, and offer actionable insights to optimize future trading strategies. Our aim is to transform complex data into clear, understandable information.

Trader Activity Overview 👥

Total Unique Traders: **32**

High-Activity Accounts: **2+**

- Identified **32 unique traders** in the dataset.
- **High-Activity Accounts:** Addresses like `0xbee...aab` and `0xbaa...864` perform significantly more trades than others.

> 💡 *Implication: Segmenting traders by activity level or analyzing behaviors of dominant accounts could reveal valuable patterns for strategy development.*
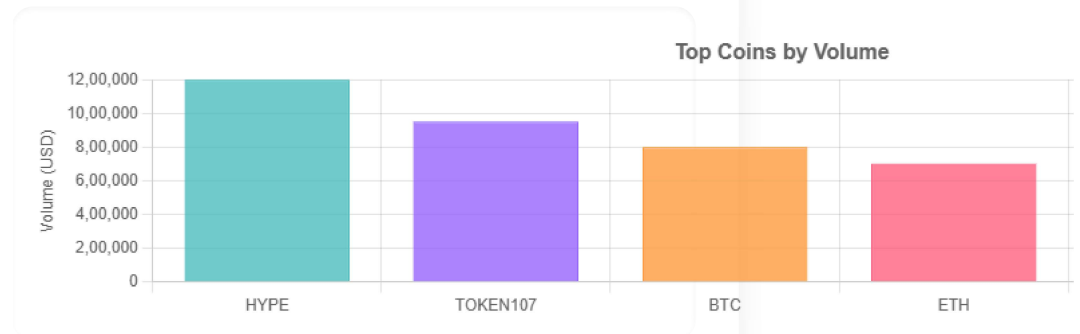

Trader Activity Distribution

Coin Performance & Distribution 💰

Total Unique Coins: **246**

Top Coins by Volume:

- HYPE
- TOKEN107
- BTC
- ETH
- SOL

> 💡 *Implication: Focus on these key coins or coin clusters for deeper behavioral and volume-based analysis, as they represent the most significant market activity.*

Top Coins by Volume

Trade Direction & Side Analysis 🔄

BUY vs SELL: Fairly balanced, with a slight tilt toward SELL.

📈 BUY | 📉 SELL

Common Directions:

- **Derivatives:** Open Long, Close Long, Open Short, Close Short
- **Spot:** Buy, Sell
- **Others:** Spot Dust Conversion, Short > Long, etc.

> 💡 *Implication: The balanced BUY/SELL ratio supports comparative studies. Trade types align with typical derivative strategies, while infrequent directions may flag unique strategy use or platform-specific features.*
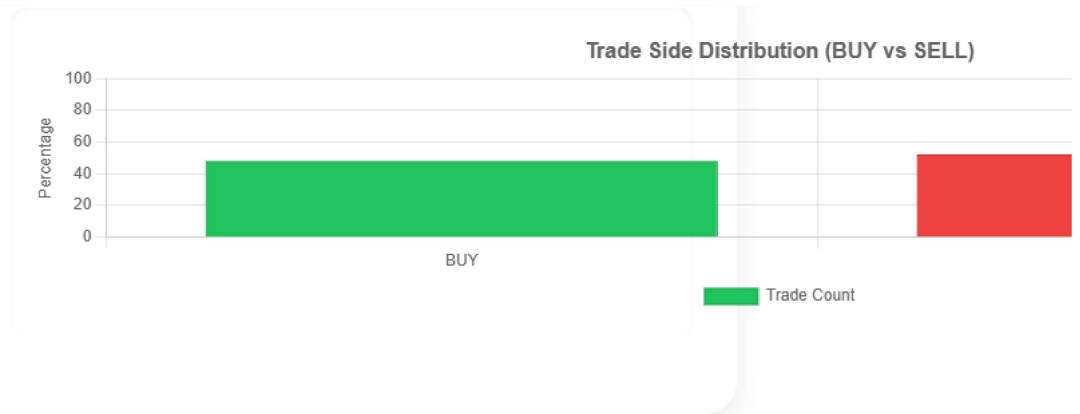
Key Numerical Correlations

Based on correlation matrix and scatter plots, here are the key relationships observed:

- **Size USD and Fee:** Strong positive correlation. Larger trade size (USD) leads to higher fees.

- **Size USD and Closed PnL:** Weak positive correlation. Larger trades *might* correlate with higher PnL, but the relationship is not strong.

- **Execution Price and Size USD:** Moderately positive correlation. Higher execution prices tend to be associated with larger trade sizes.

- **Other Correlations:** 'Size Tokens' and 'Size USD' show a very strong positive correlation, as expected.

> 💡 *Summary: Trade size is a significant factor influencing the fee charged, while its relationship with profit/loss is less direct and more varied.*
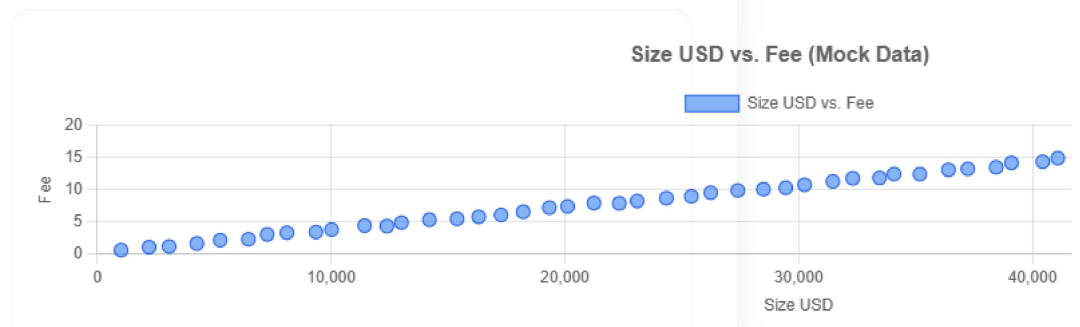

Fee Discrepancy Analysis 🧮

This analysis identified discrepancies between the actual fee paid and the expected fee based on a standard rate of `0.00035` applied to the trade size in USD.

- **Calculation:** `Expected_Fee = Size USD * 0.00035`. `Fee_Discrepancy` was the absolute difference, and

Discrepancy_Percent was this discrepancy relative to
Expected_Fee.

- **Findings: 156,550 out of 211,224 trades** (approx. 74%) were
  flagged with a Discrepancy_Percent greater than 1%.
- **Visualization:** Scatter plot of 'Actual Fee' vs. 'Expected Fee' (log
  scale) shows significant deviation from the ideal 1:1 line,
  especially at higher fee values.

> 💡 Implication: The fee structure is more complex than a simple
> flat rate. Factors like different fee tiers, rebates, or other
> platform-specific mechanisms are likely influencing the actual
> fees. Further investigation is recommended to understand and
> potentially optimize fee costs. ⚠️

Actual Fee vs. Expected Fee (Mock Data, Log Scale)
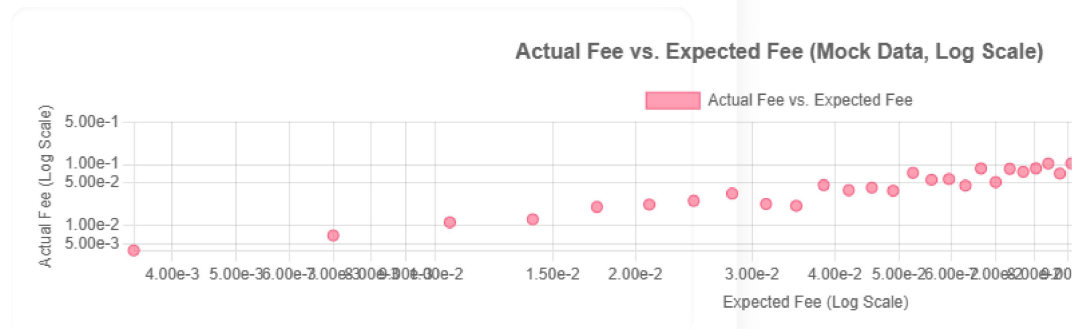
Report Summary & Conclusion ✅

This Modern Trading Analytics Report highlights a dynamic
trading landscape. We've identified key trader behaviors,
dominant coin activities, and crucial correlations between
trade size, fees, and profitability. Most notably, the
significant discrepancies in fee calculations suggest a more
nuanced fee structure is at play, warranting further
investigation. By focusing on high-impact areas like trader
segmentation, top coin analysis, and fee optimization, you
can gain a competitive edge and refine your trading
strategies for enhanced performance.

Data-driven decisions lead to smarter trades! 📊💰