

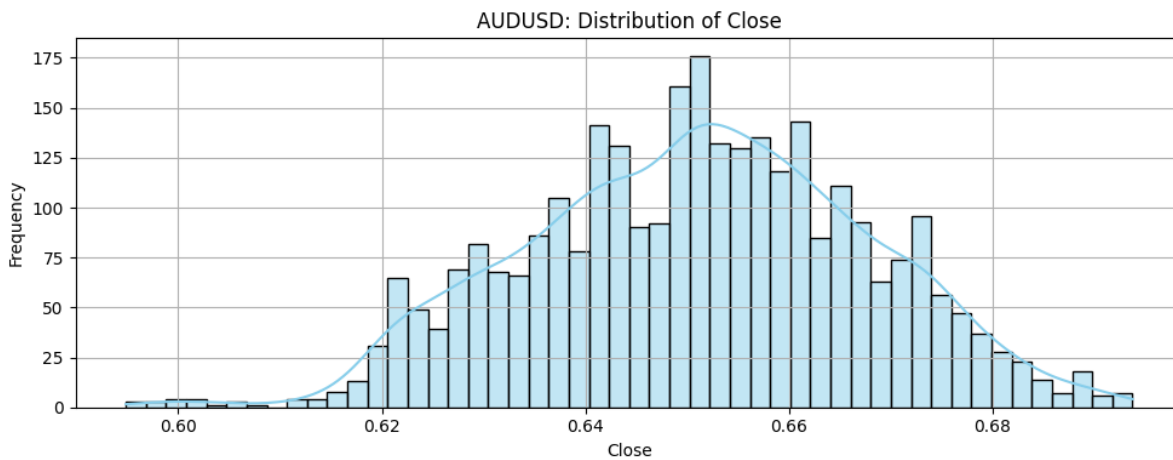
Visual EDA Report on Forex Pairs

This report presents an exploratory data analysis of forex market OHLCV features for each currency pair. Each section includes distribution plots, comments on data characteristics, potential outliers, and implications for model training with LightGBM or similar models.

AUDUSD - EDA Summary

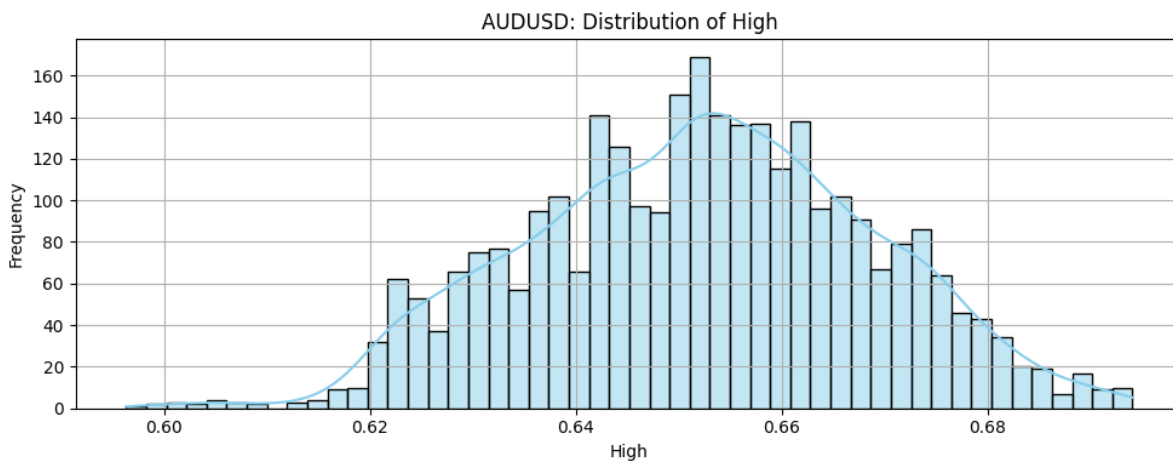
Below are the feature distribution plots for AUDUSD. Observations include skewness, modality, and potential outliers.

Feature: Close



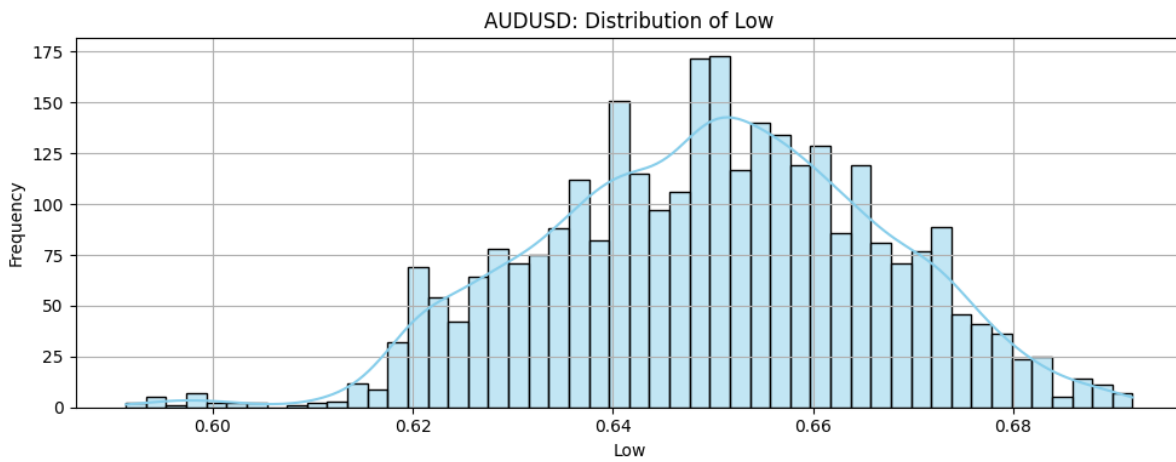
- The close distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: High



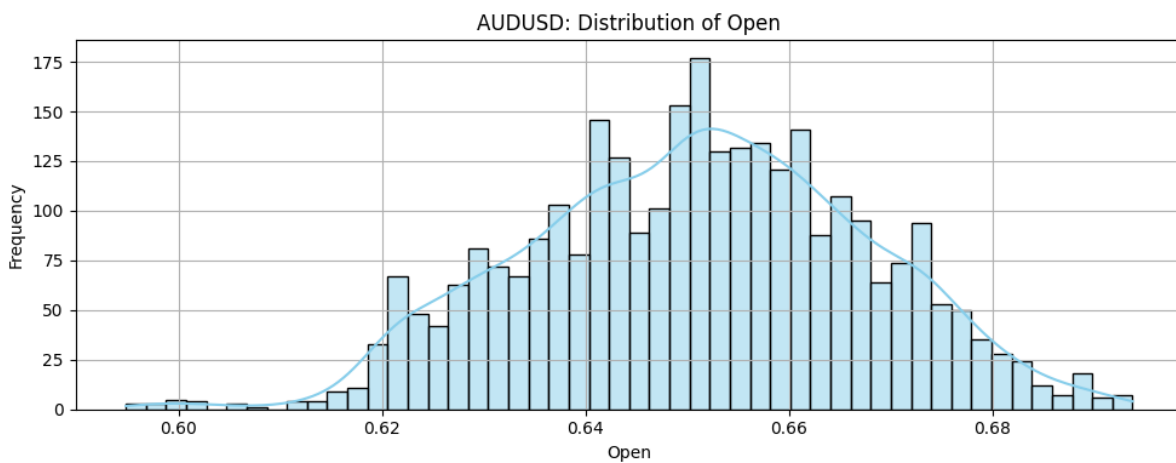
- The high distribution reveals typical trading behavior.
- Look for extreme highs/lows indicating volatility bursts.

Feature: Low



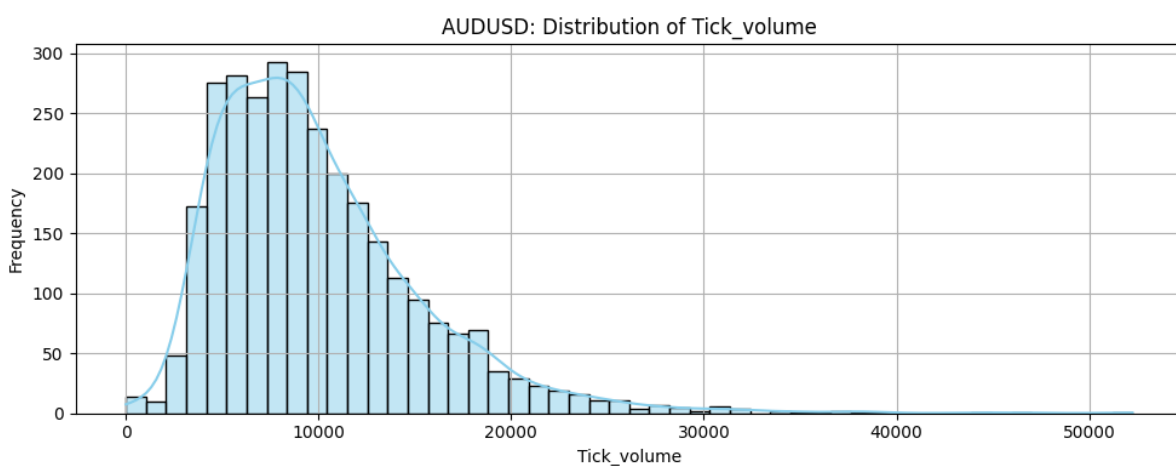
- The low distribution reveals typical trading behavior.
- Look for extreme highs/lows indicating volatility bursts.

Feature: Open



- The open distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: Tick_volume

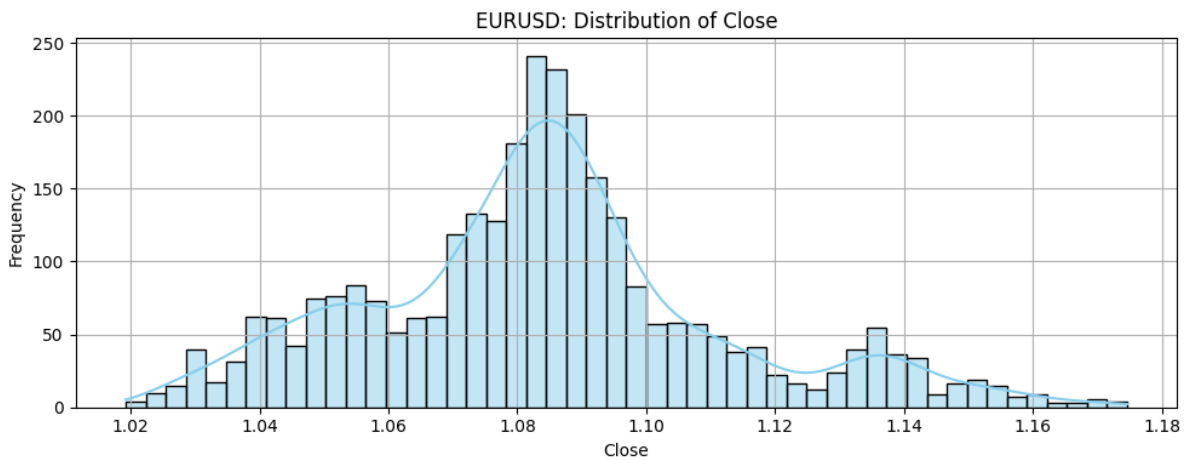


- The tick_volume distribution reveals typical trading behavior.
- Check for volume spikes or thin liquidity zones.

EURUSD - EDA Summary

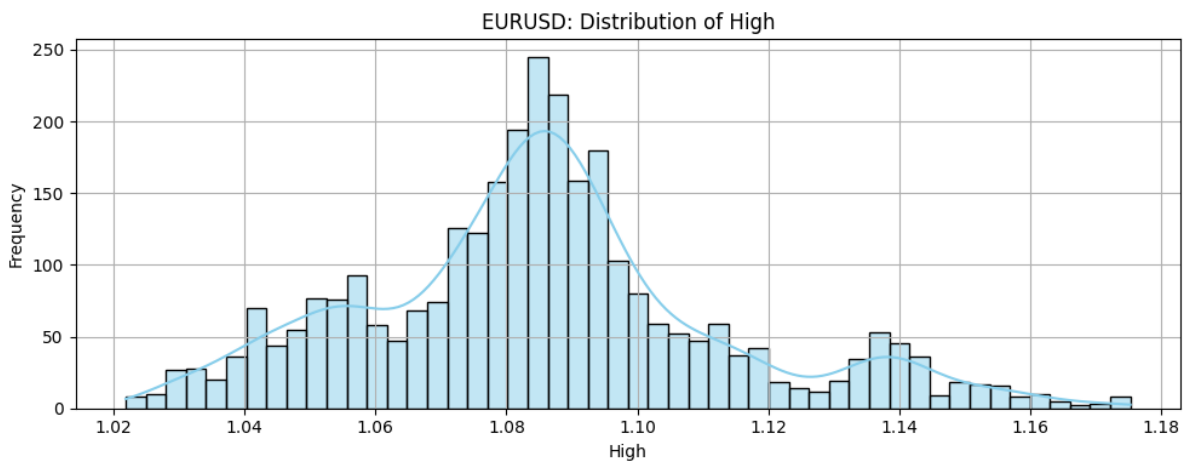
Below are the feature distribution plots for EURUSD. Observations include skewness, modality, and potential outliers.

Feature: Close



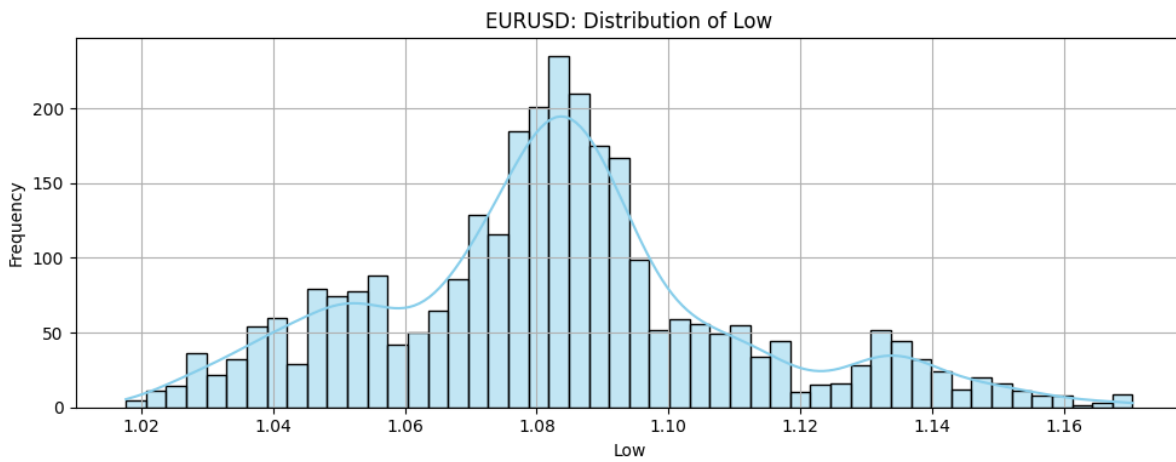
- The close distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: High



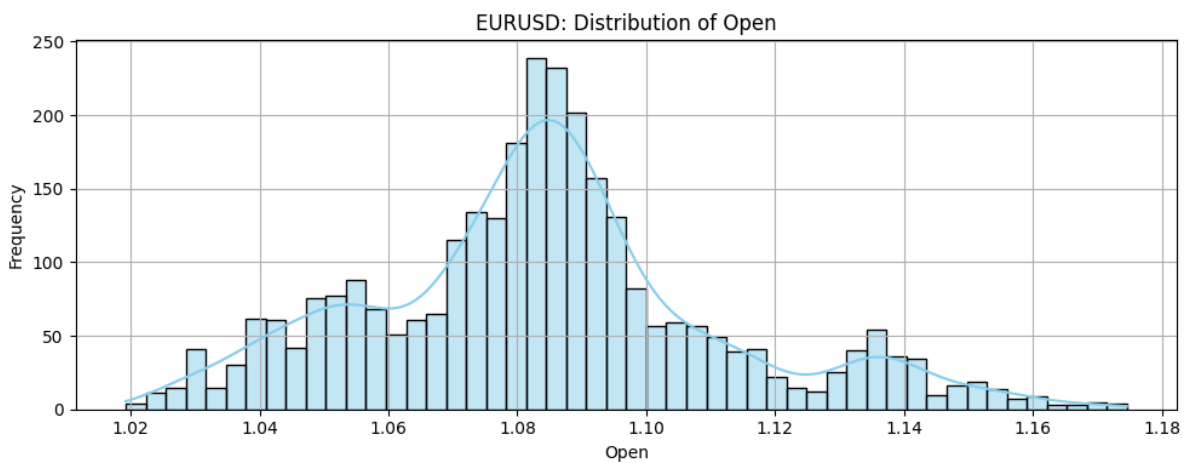
- The high distribution reveals typical trading behavior.
- Look for extreme highs/lows indicating volatility bursts.

Feature: Low



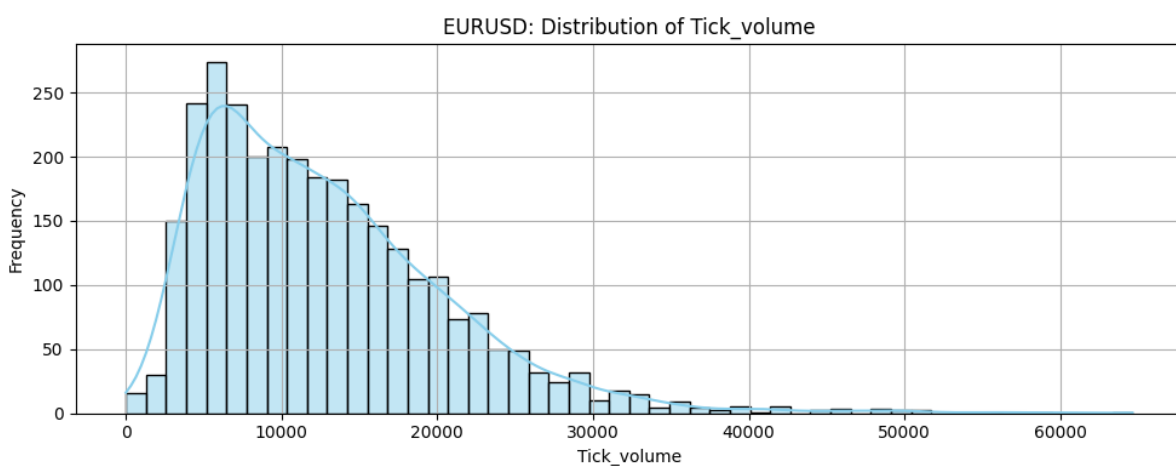
- The low distribution reveals typical trading behavior.
- Look for extreme highs/lows indicating volatility bursts.

Feature: Open



- The open distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: Tick_volume

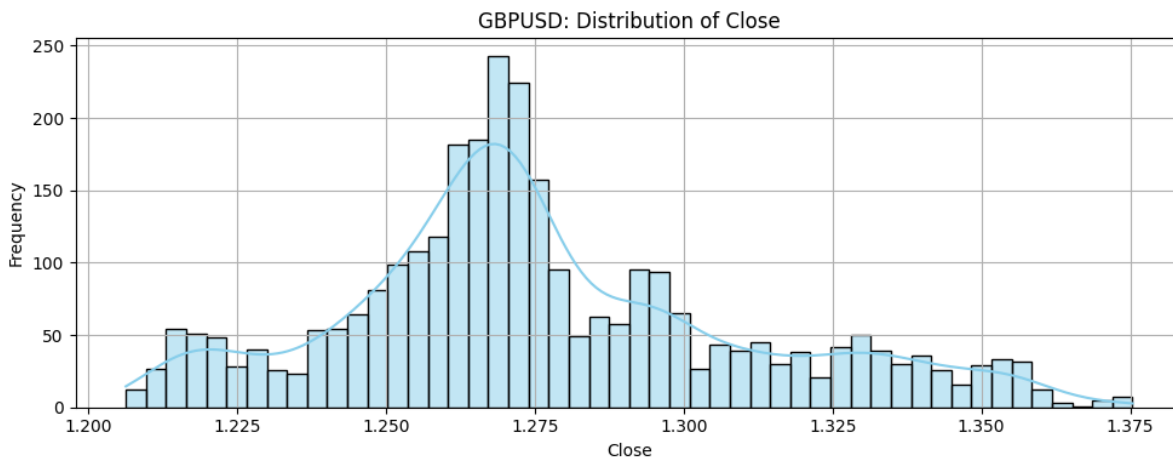


- The tick_volume distribution reveals typical trading behavior.
- Check for volume spikes or thin liquidity zones.

GBPUSD - EDA Summary

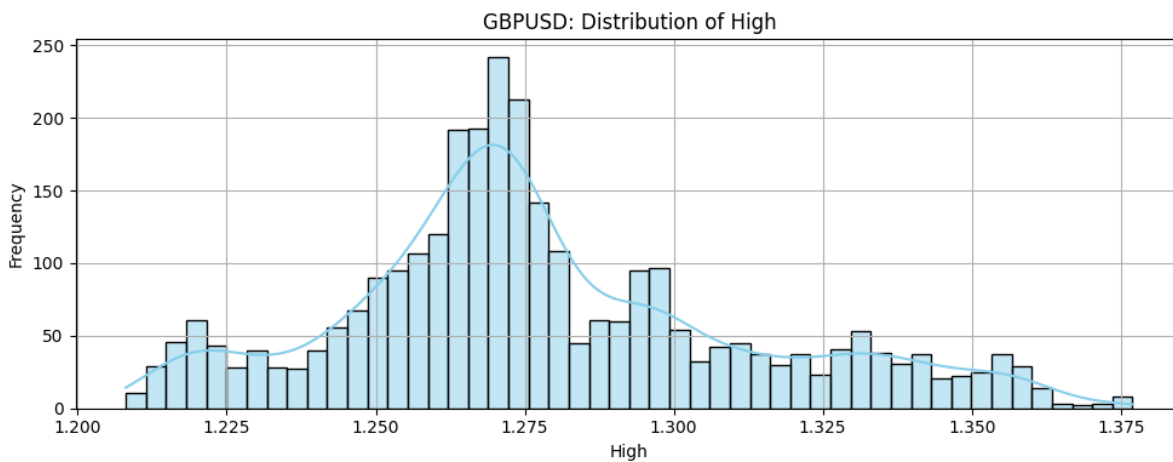
Below are the feature distribution plots for GBPUSD. Observations include skewness, modality, and potential outliers.

Feature: Close



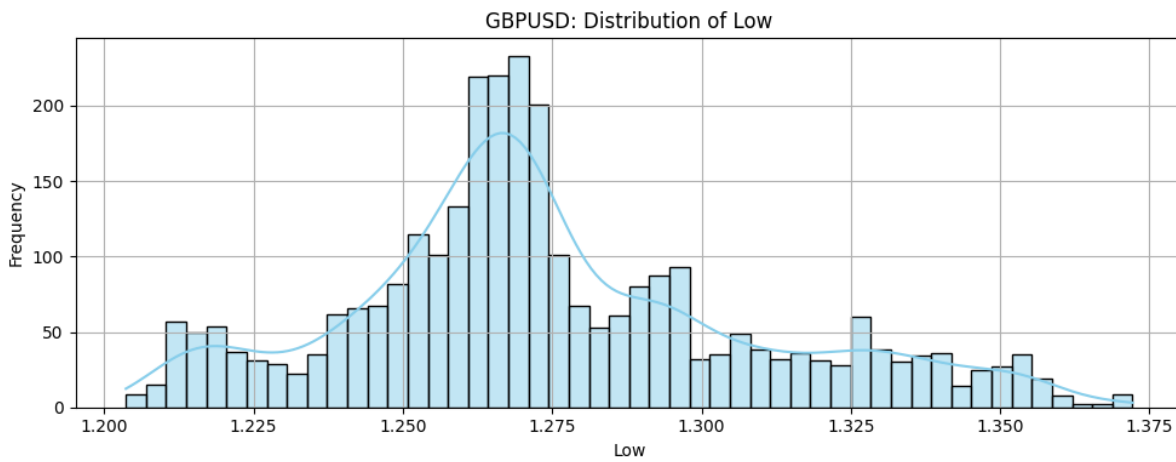
- The close distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: High



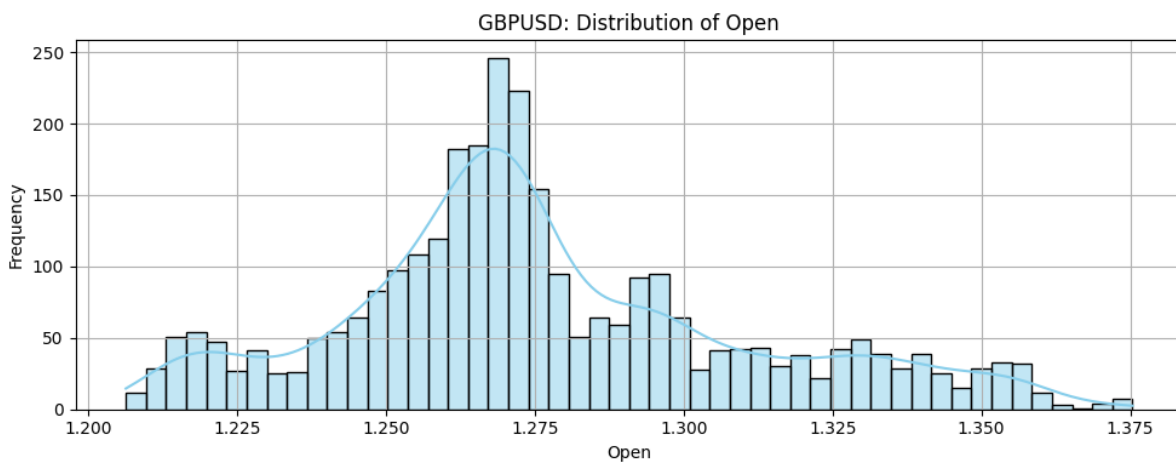
- The high distribution reveals typical trading behavior.
- Look for extreme highs/lows indicating volatility bursts.

Feature: Low



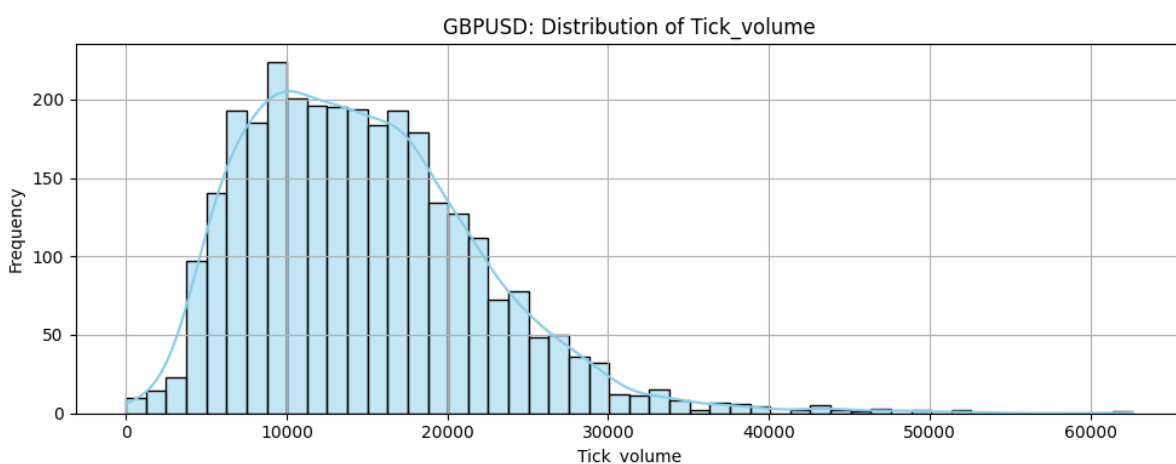
- The low distribution reveals typical trading behavior.
- Look for extreme highs/lows indicating volatility bursts.

Feature: Open



- The open distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: Tick_volume

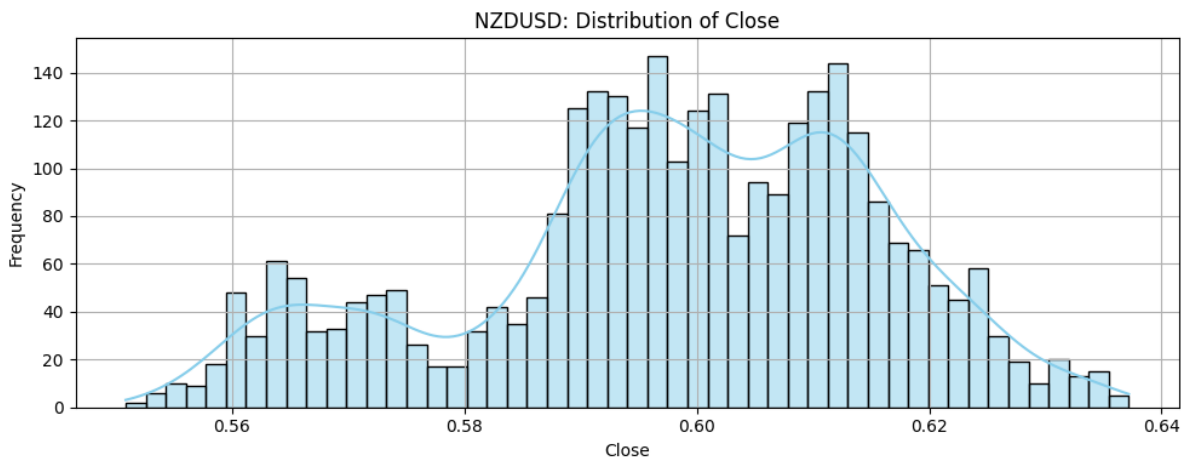


- The tick_volume distribution reveals typical trading behavior.
- Check for volume spikes or thin liquidity zones.

NZDUSD - EDA Summary

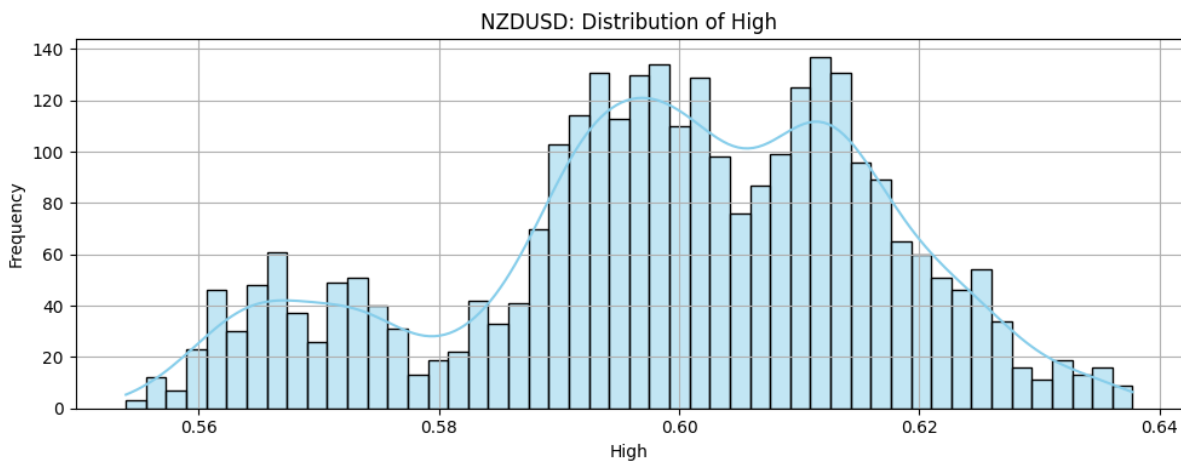
Below are the feature distribution plots for NZDUSD. Observations include skewness, modality, and potential outliers.

Feature: Close



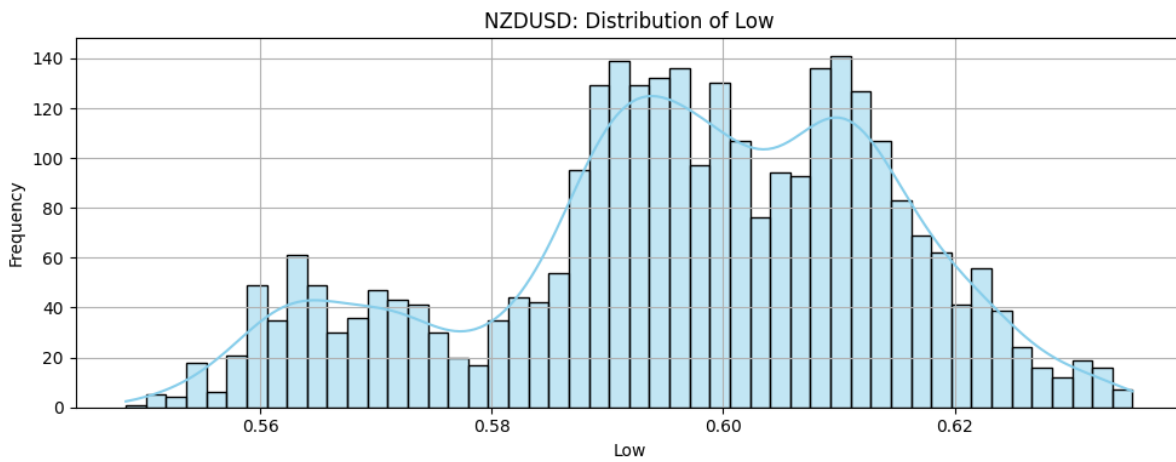
- The close distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: High



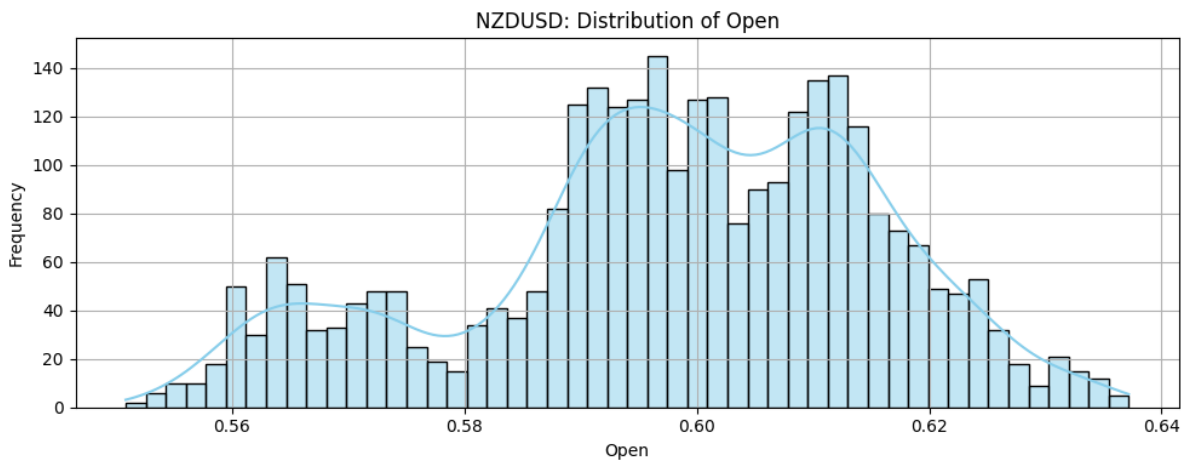
- The high distribution reveals typical trading behavior.
- Look for extreme highs/lows indicating volatility bursts.

Feature: Low



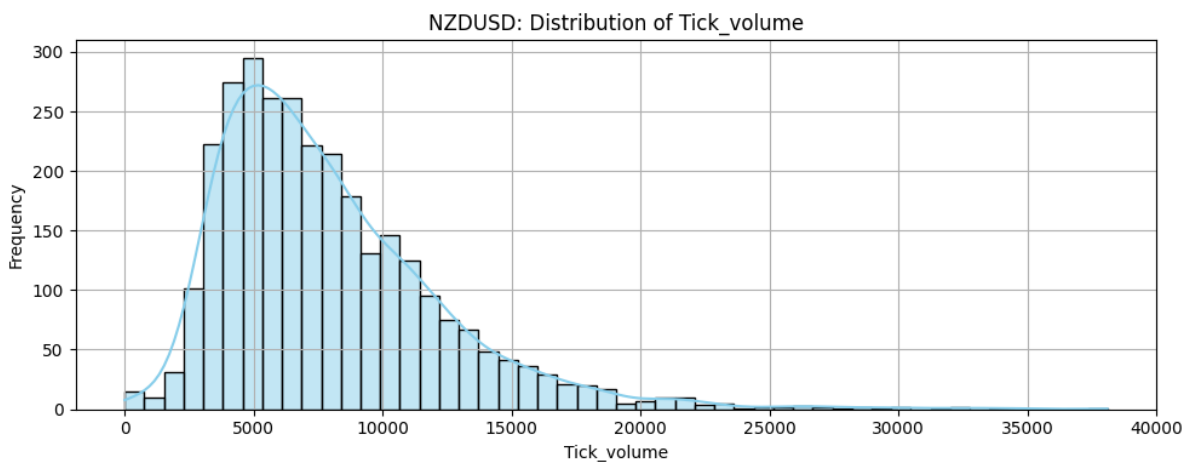
- The low distribution reveals typical trading behavior.
- Look for extreme highs/lows indicating volatility bursts.

Feature: Open



- The open distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: Tick_volume

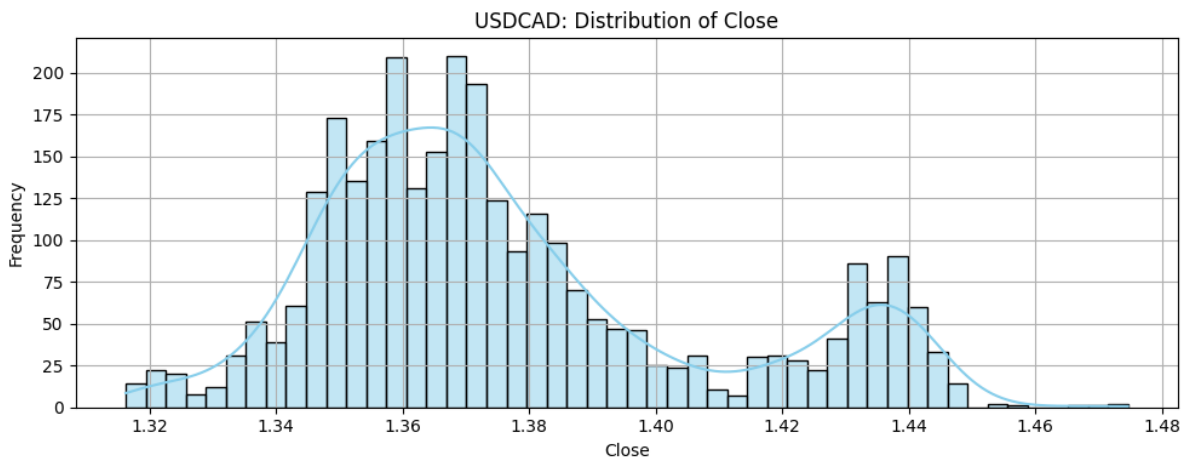


- The tick_volume distribution reveals typical trading behavior.
- Check for volume spikes or thin liquidity zones.

USDCAD - EDA Summary

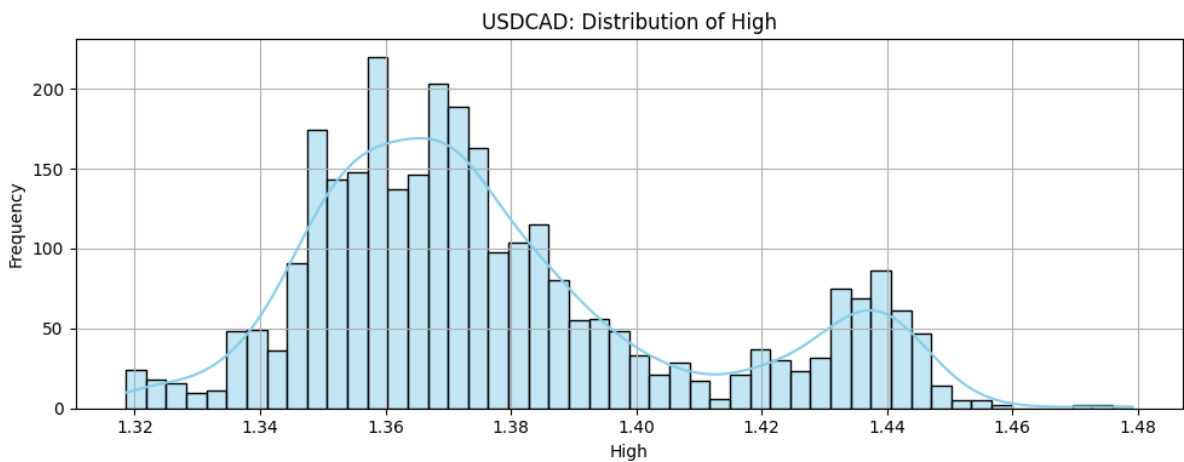
Below are the feature distribution plots for USDCAD. Observations include skewness, modality, and potential outliers.

Feature: Close



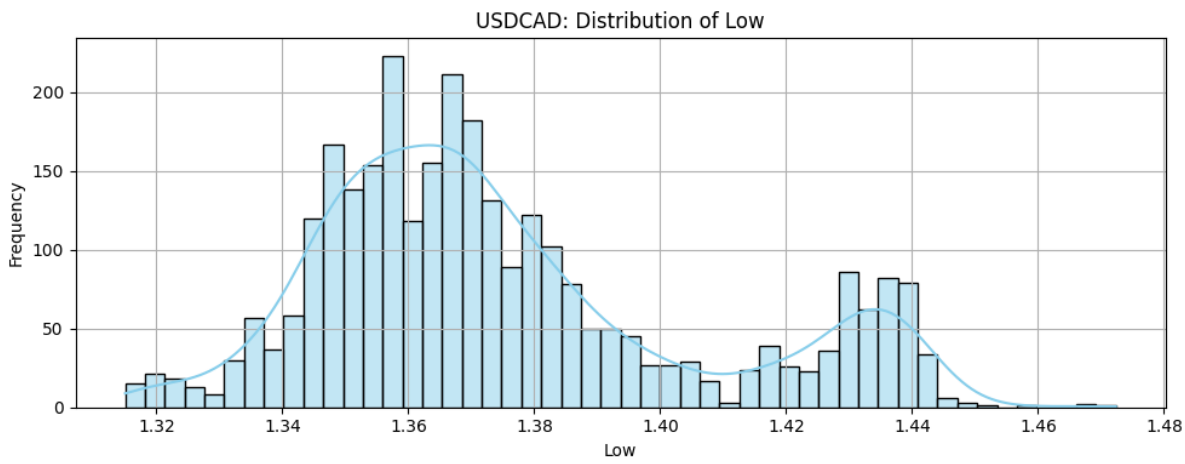
- The close distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: High



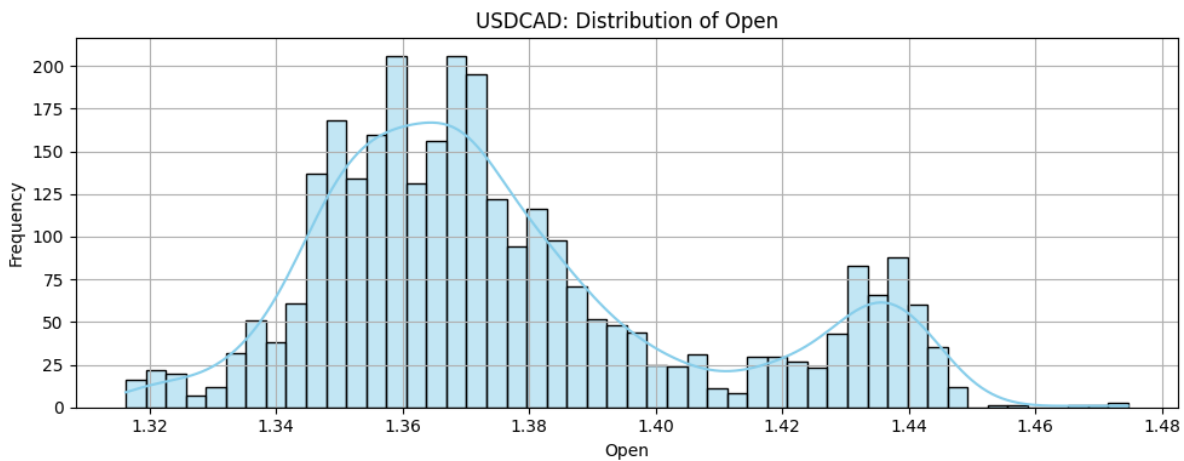
- The high distribution reveals typical trading behavior.
- Look for extreme highs/lows indicating volatility bursts.

Feature: Low



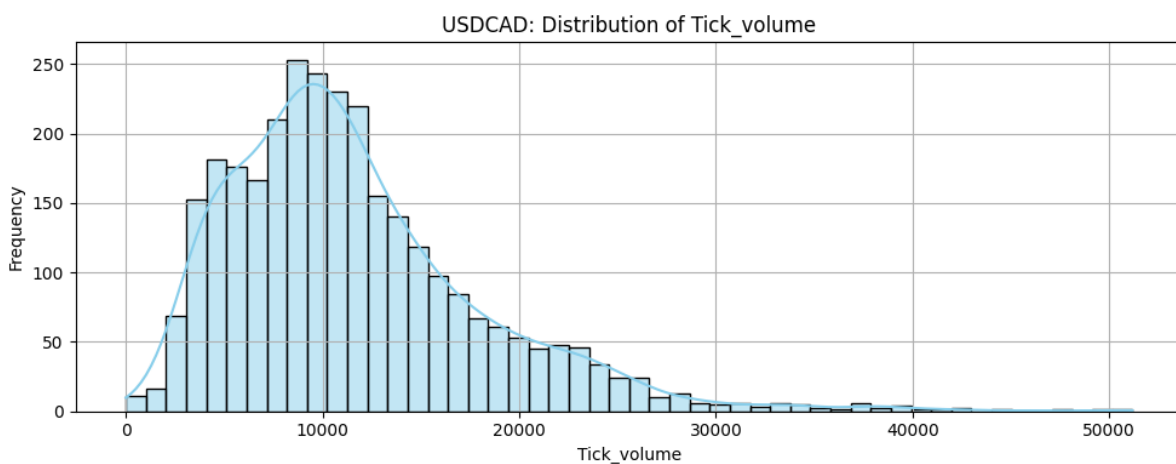
- The low distribution reveals typical trading behavior.
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Feature: Open



- The open distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: Tick_volume

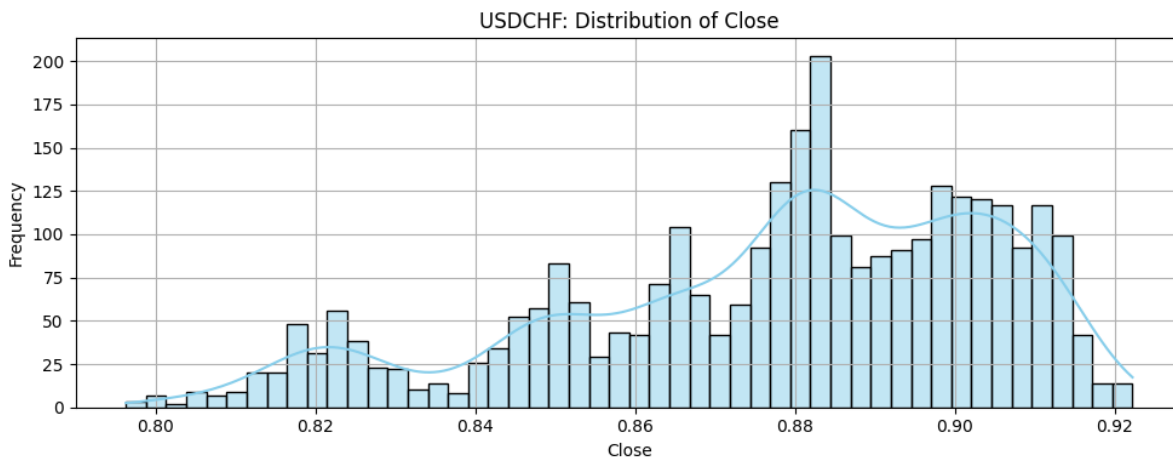


- The tick_volume distribution reveals typical trading behavior.
- Check for volume spikes or thin liquidity zones.

USDCHF - EDA Summary

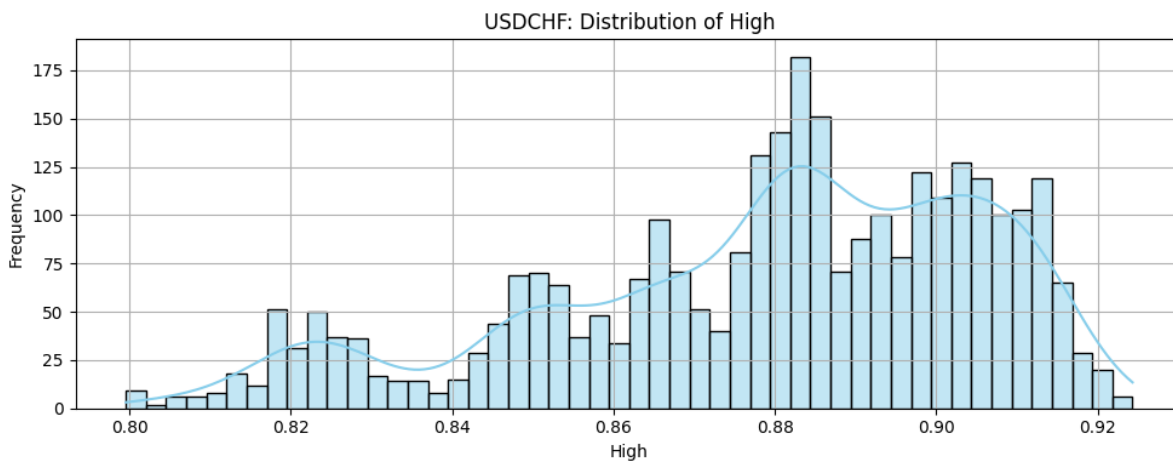
Below are the feature distribution plots for USDCHF. Observations include skewness, modality, and potential outliers.

Feature: Close



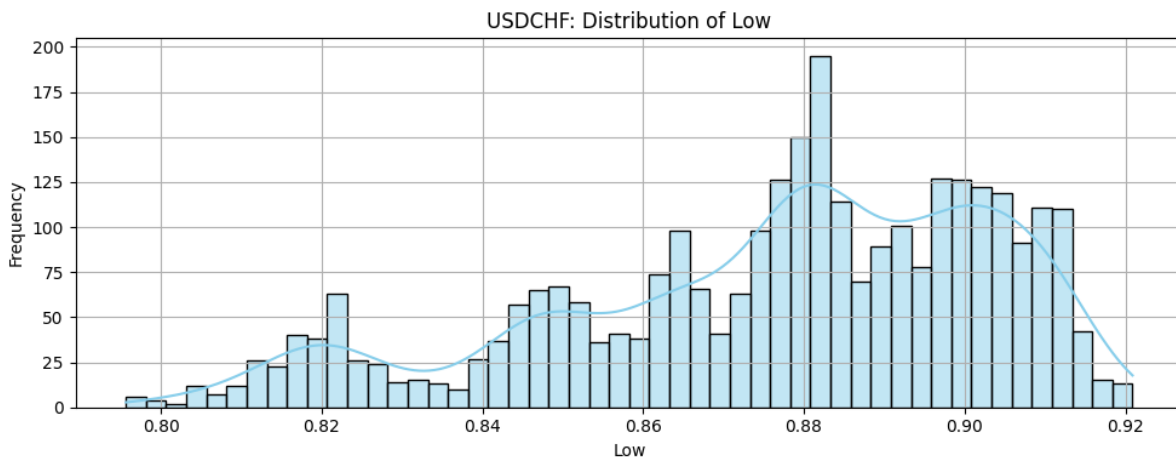
- The close distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: High



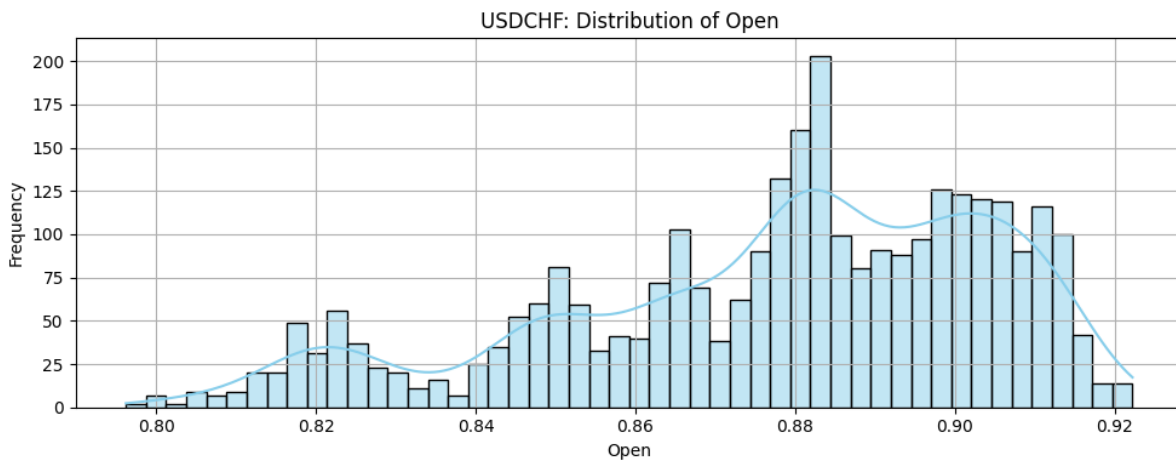
- The high distribution reveals typical trading behavior.
- Look for extreme highs/lows indicating volatility bursts.

Feature: Low



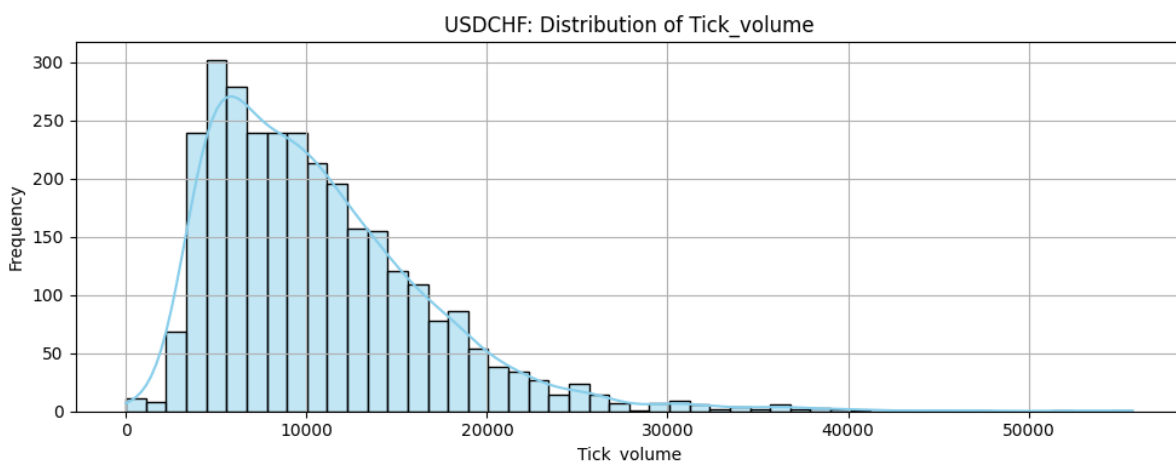
- The low distribution reveals typical trading behavior.
- Look for extreme highs/lows indicating volatility bursts.

Feature: Open



- The open distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: Tick_volume

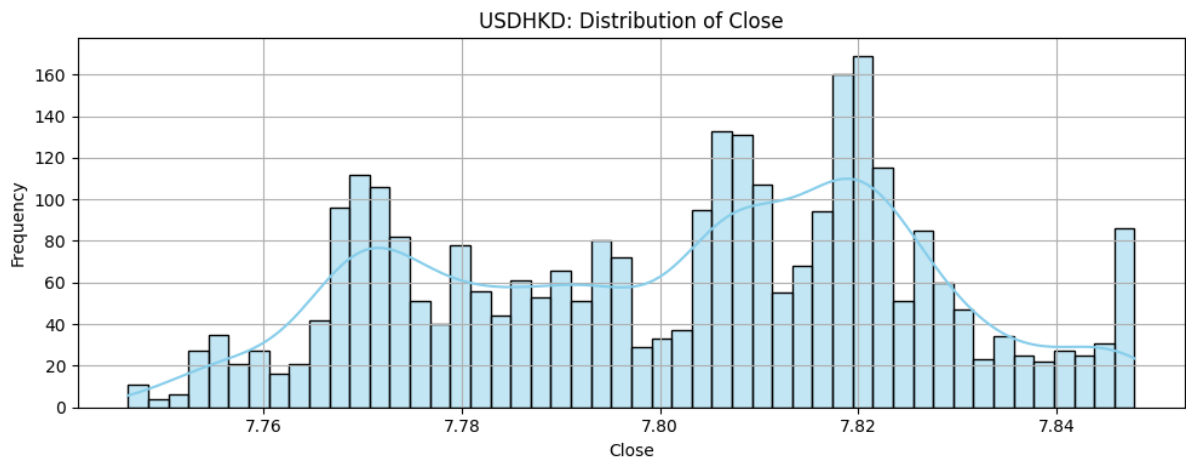


- The tick_volume distribution reveals typical trading behavior.
- Check for volume spikes or thin liquidity zones.

USDHKD - EDA Summary

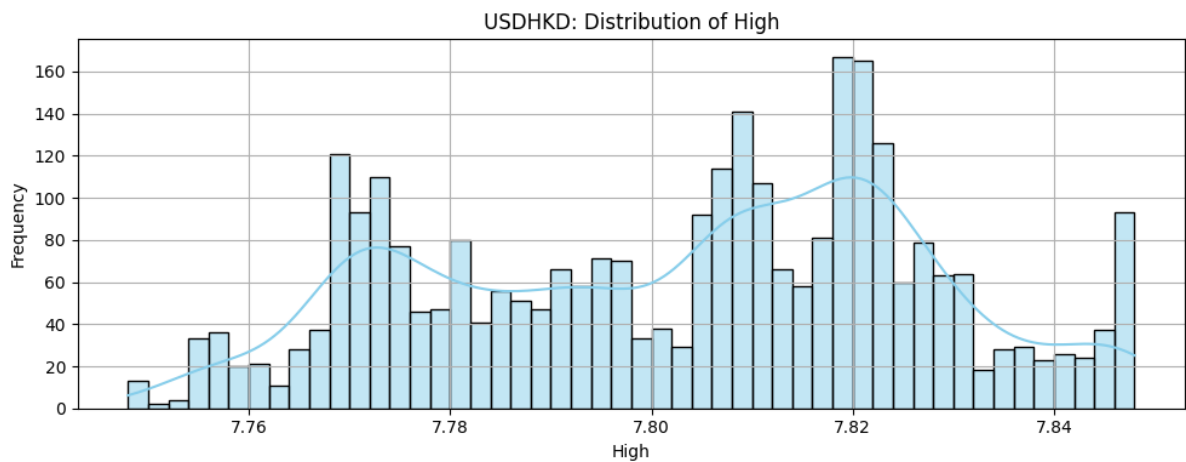
Below are the feature distribution plots for USDHKD. Observations include skewness, modality, and potential outliers.

Feature: Close



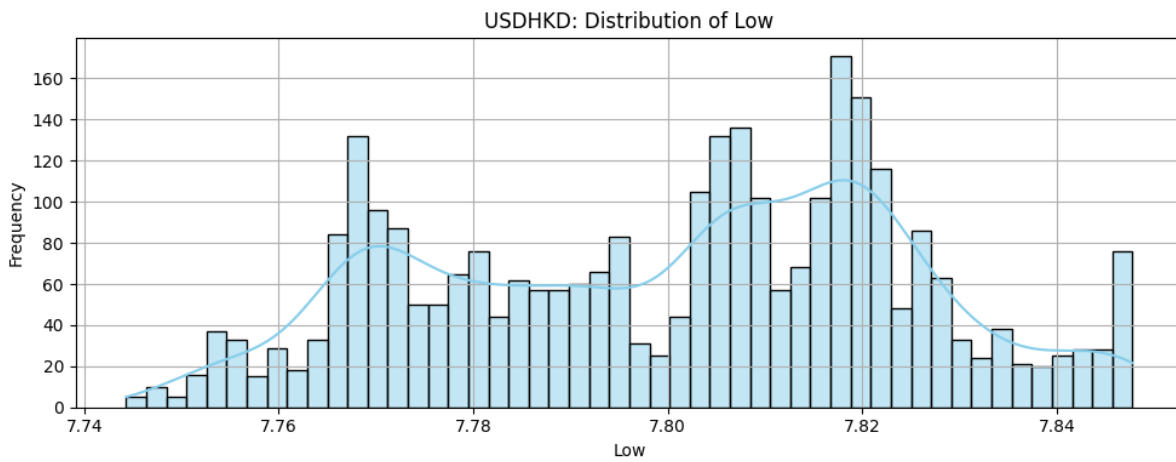
- The close distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: High



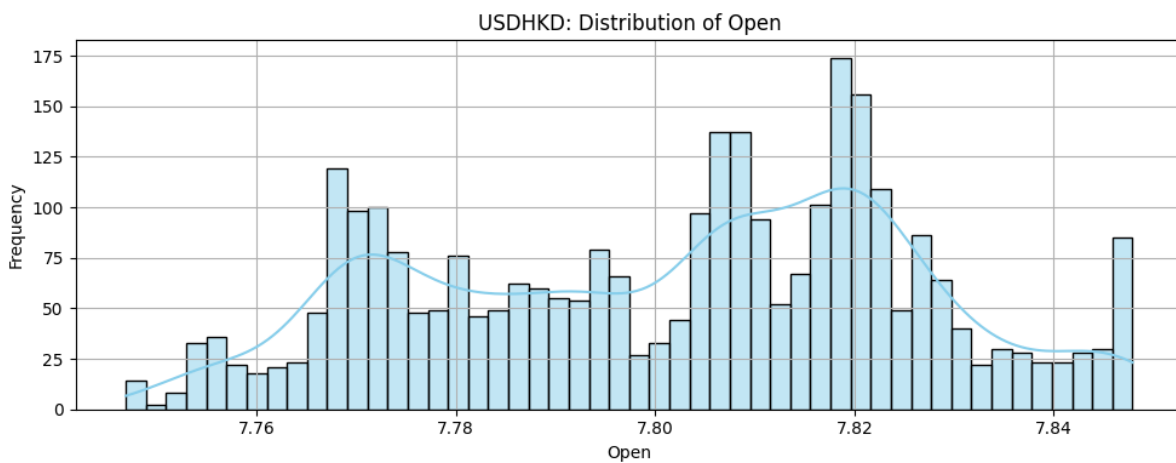
- The high distribution reveals typical trading behavior.
- Look for extreme highs/lows indicating volatility bursts.

Feature: Low



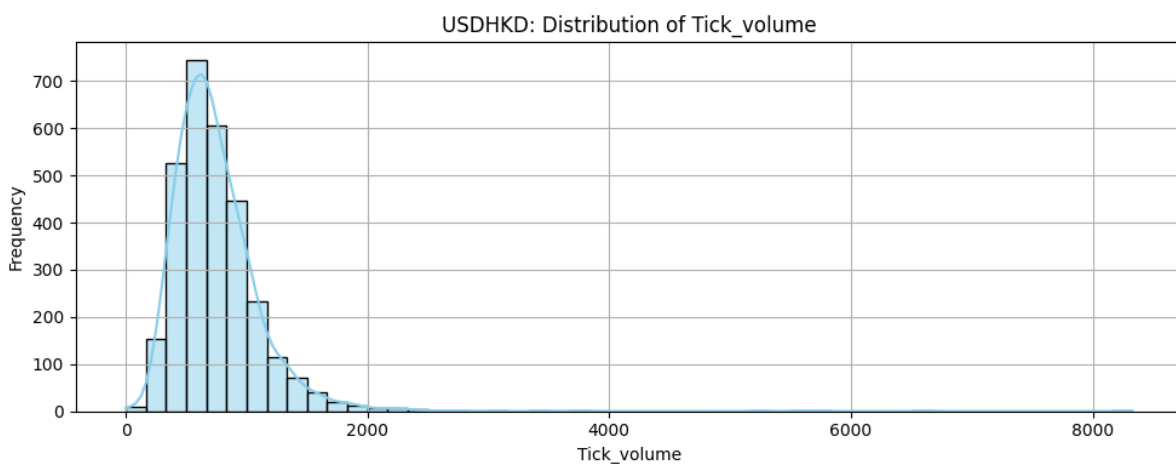
- The low distribution reveals typical trading behavior.
- Look for extreme highs/lows indicating volatility bursts.

Feature: Open



- The open distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: Tick_volume

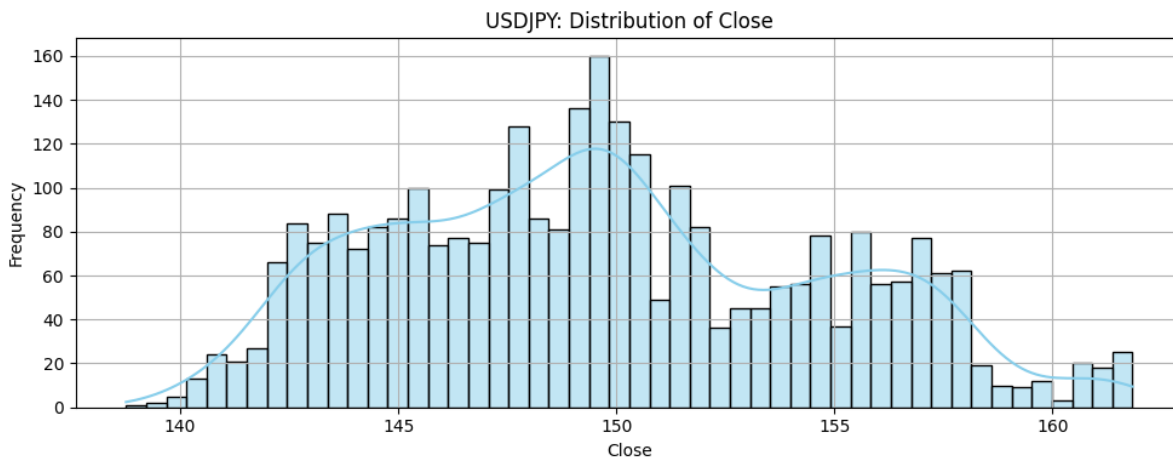


- The tick_volume distribution reveals typical trading behavior.
- Check for volume spikes or thin liquidity zones.

USDJPY - EDA Summary

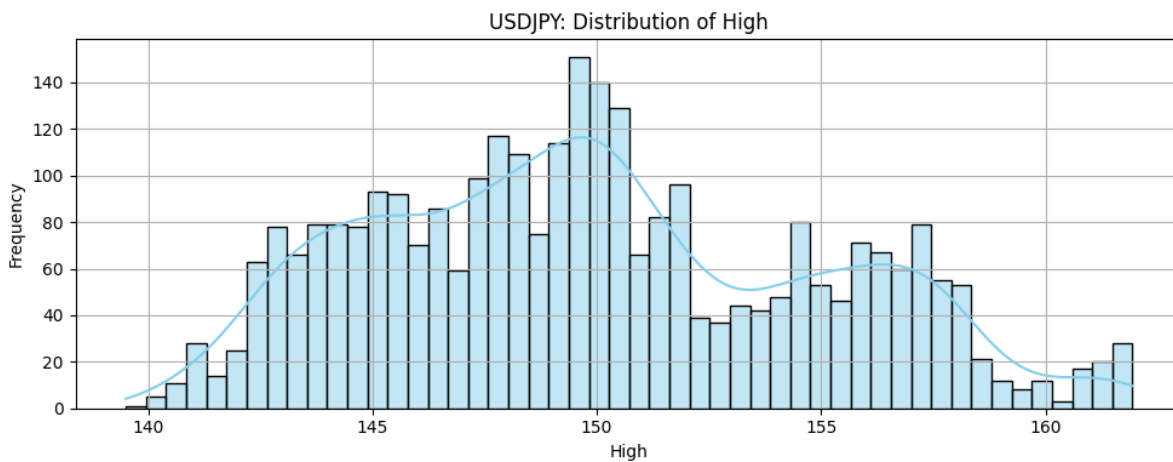
Below are the feature distribution plots for USDJPY. Observations include skewness, modality, and potential outliers.

Feature: Close



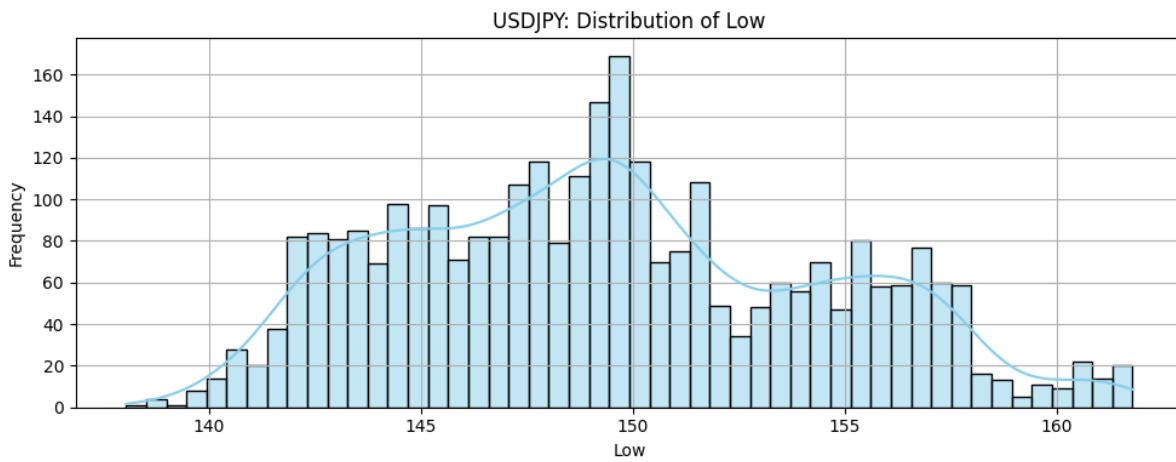
- The close distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: High



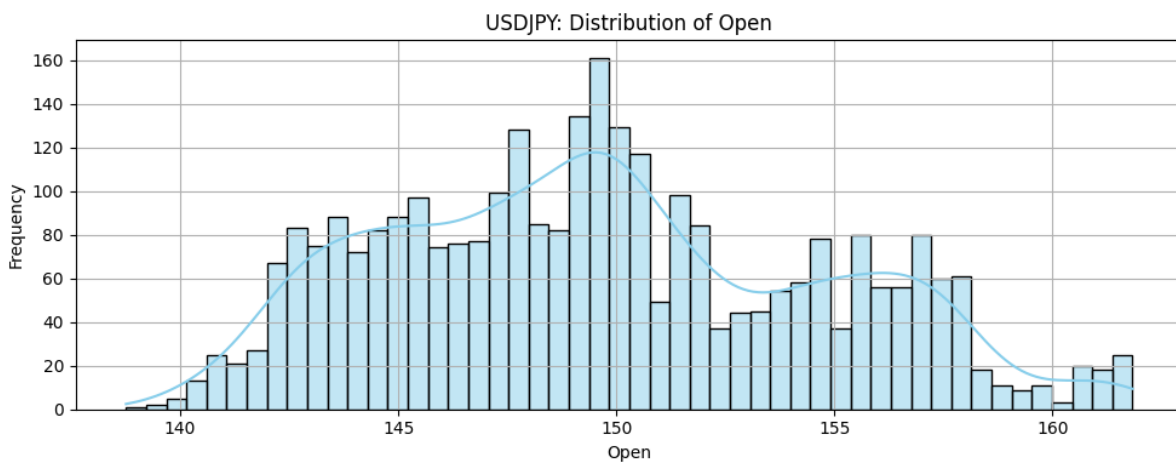
- The high distribution reveals typical trading behavior.
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Feature: Low



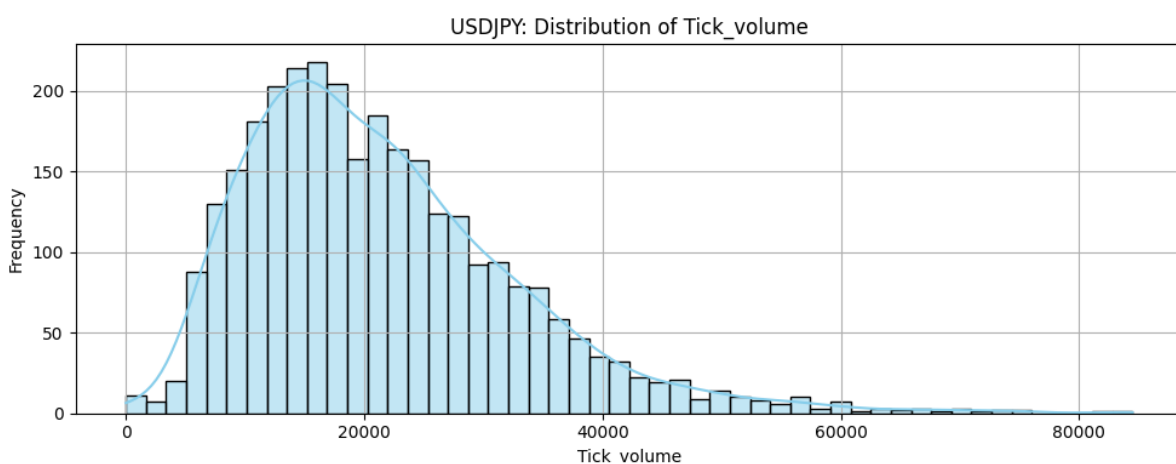
- The low distribution reveals typical trading behavior.
- Look for extreme highs/lows indicating volatility bursts.

Feature: Open



- The open distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: Tick_volume

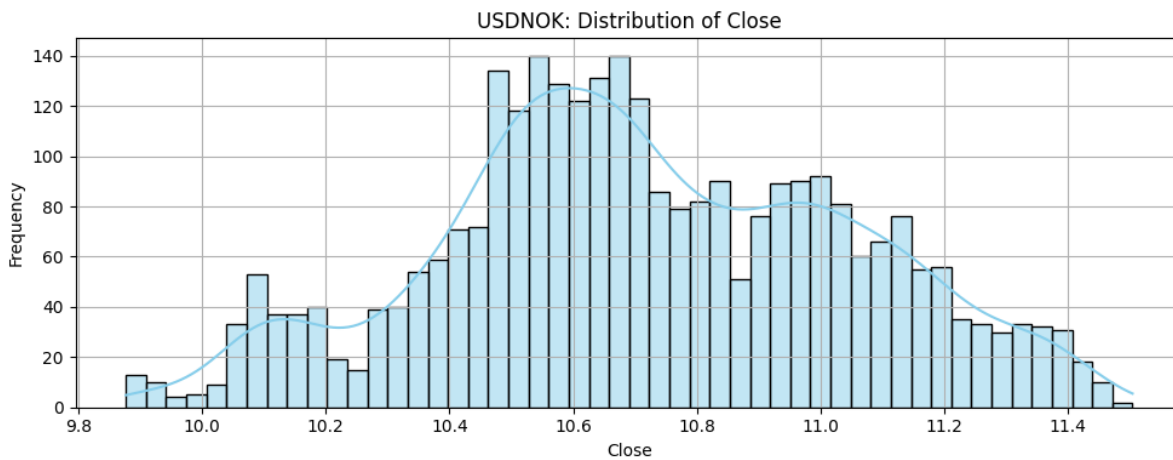


- The tick_volume distribution reveals typical trading behavior.
- Check for volume spikes or thin liquidity zones.

USDNOK - EDA Summary

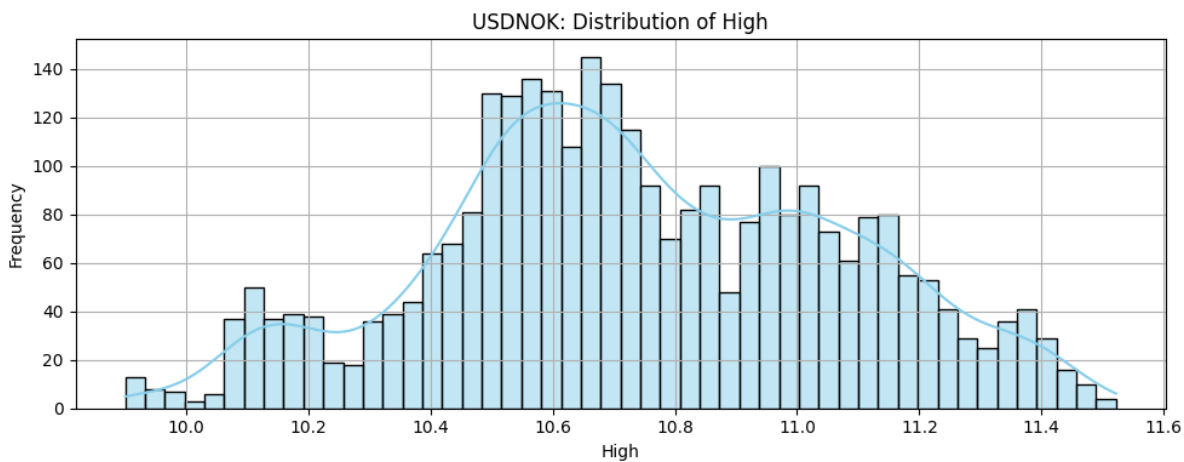
Below are the feature distribution plots for USDNOK. Observations include skewness, modality, and potential outliers.

Feature: Close



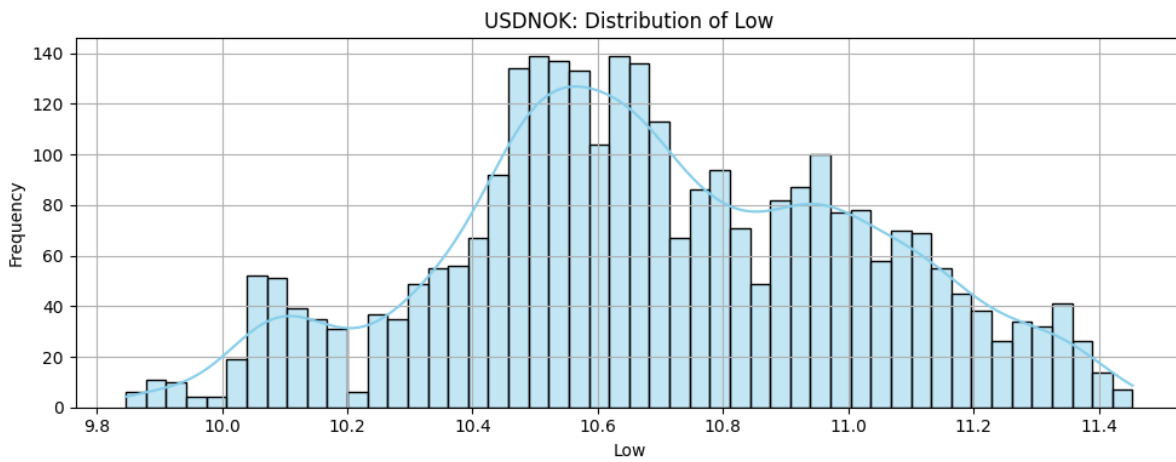
- The close distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: High



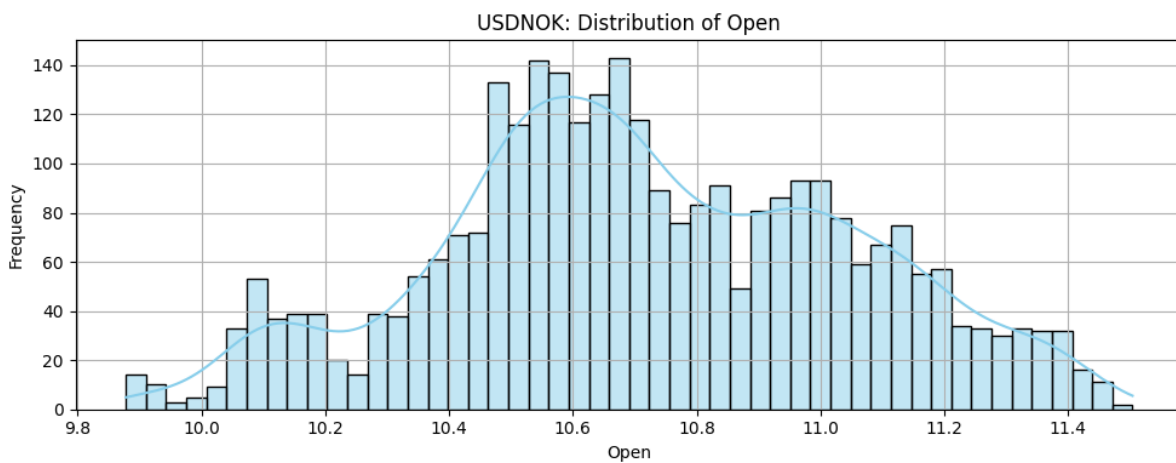
- The high distribution reveals typical trading behavior.
- Look for extreme highs/lows indicating volatility bursts.

Feature: Low



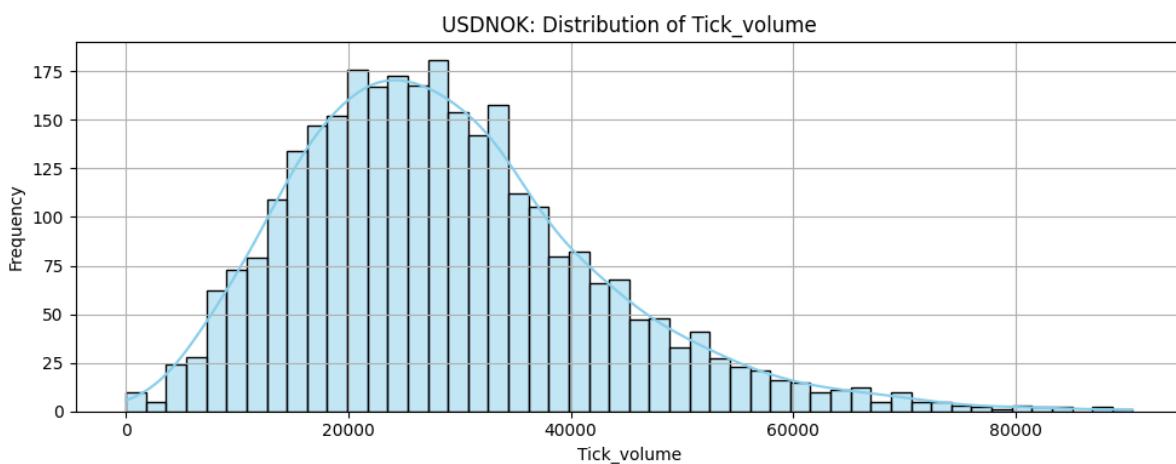
- The low distribution reveals typical trading behavior.
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- The open distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: Tick_volume

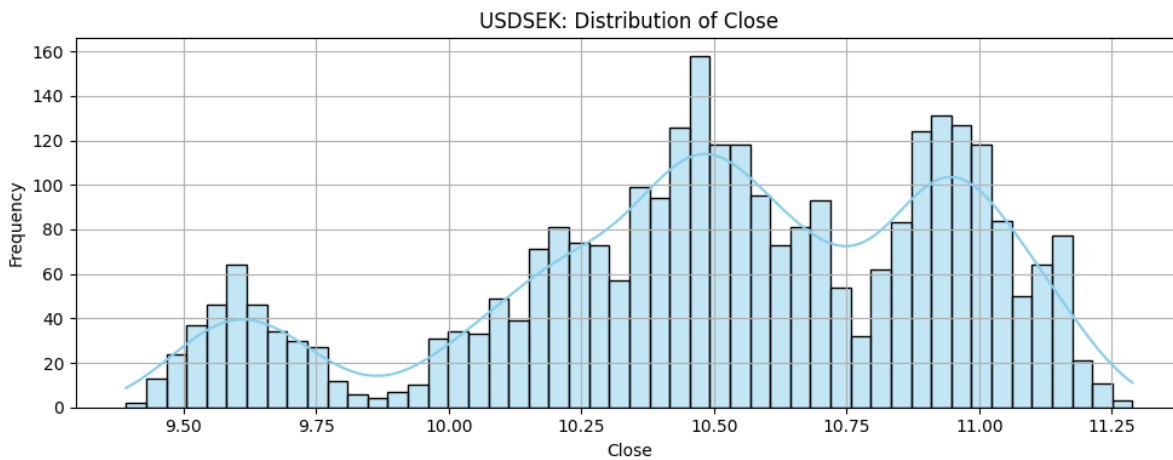


- The tick_volume distribution reveals typical trading behavior.
- Check for volume spikes or thin liquidity zones.

USDSEK - EDA Summary

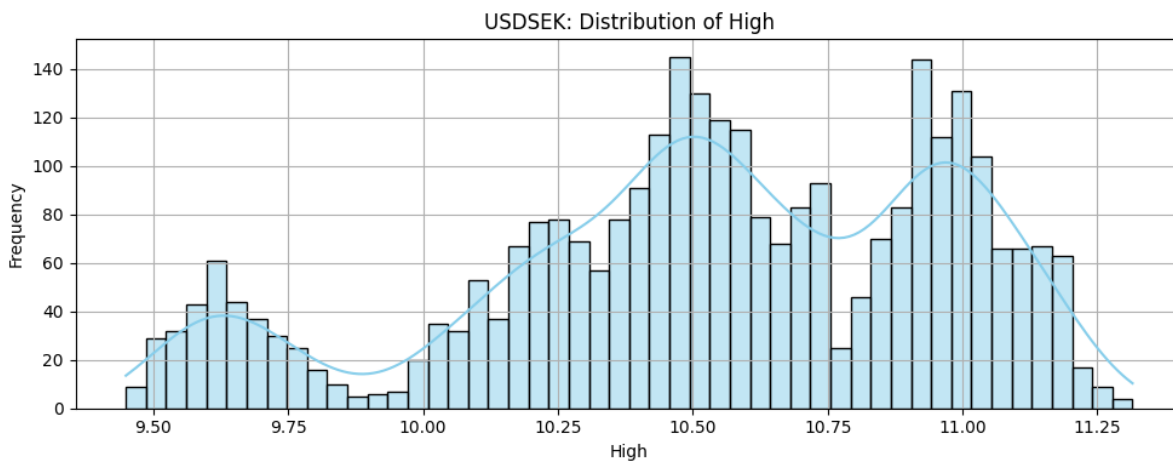
Below are the feature distribution plots for USDSEK. Observations include skewness, modality, and potential outliers.

Feature: Close



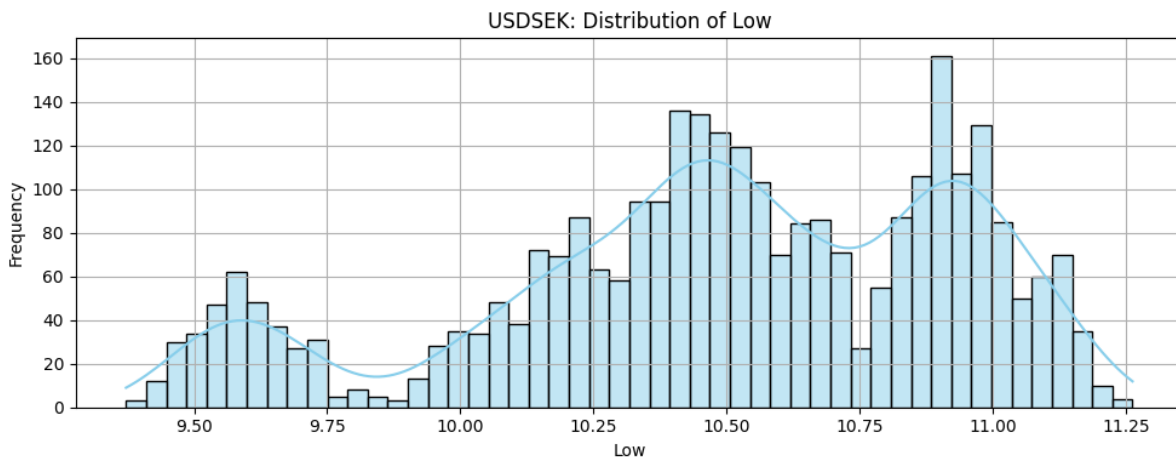
- The close distribution reveals typical trading behavior.
- Opening and closing prices may exhibit regime shifts.

Feature: High



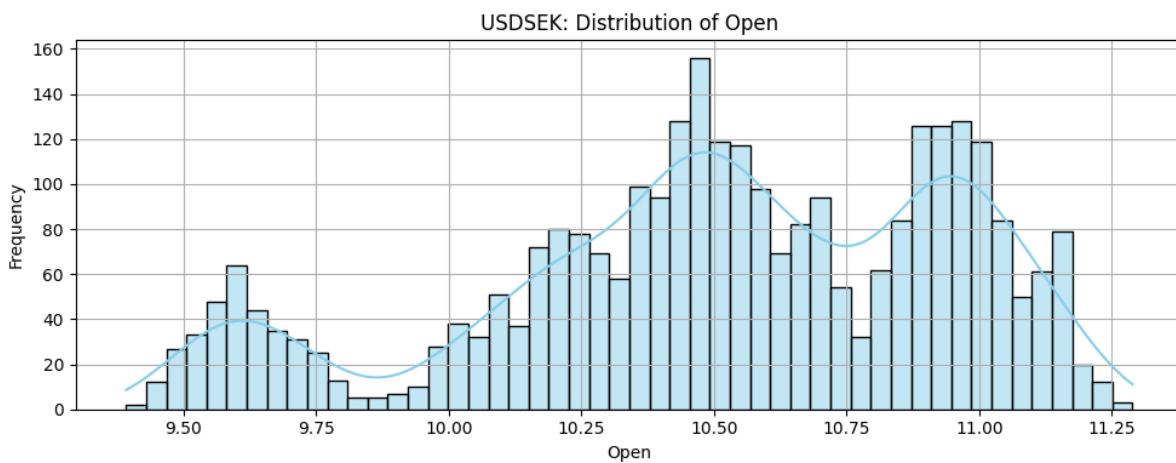
- The high distribution reveals typical trading behavior.
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Feature: Low



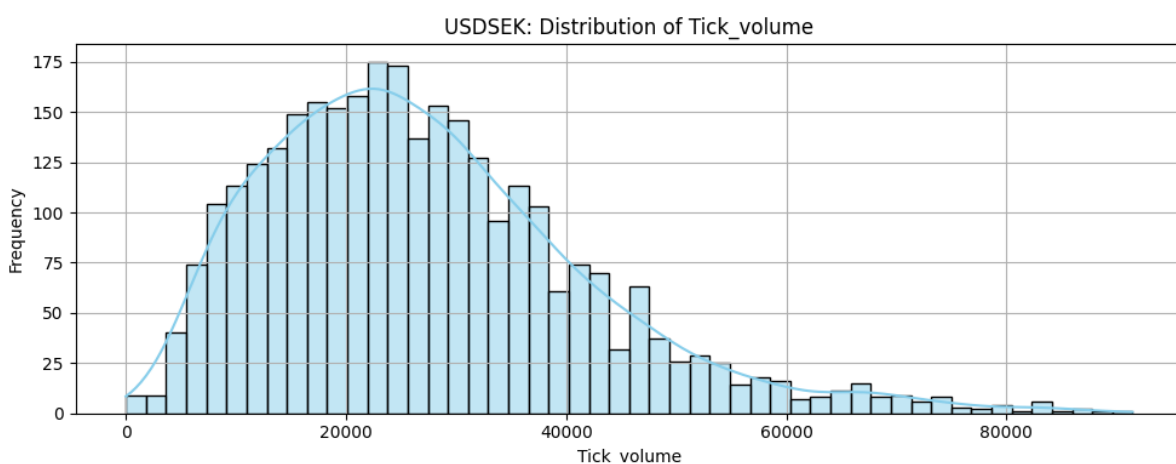
- The low distribution reveals typical trading behavior.
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Feature: Open



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