

Enhancing Investment Decisions: Technical Indicator-Driven Stock Price Predictions

Introduction

Welcome to the presentation on ***Optimizing Investment Decisions*** through leveraging ***technical indicators*** for accurate stock price predictions. In this session, we will explore the key indicators and strategies to make informed investment decisions.

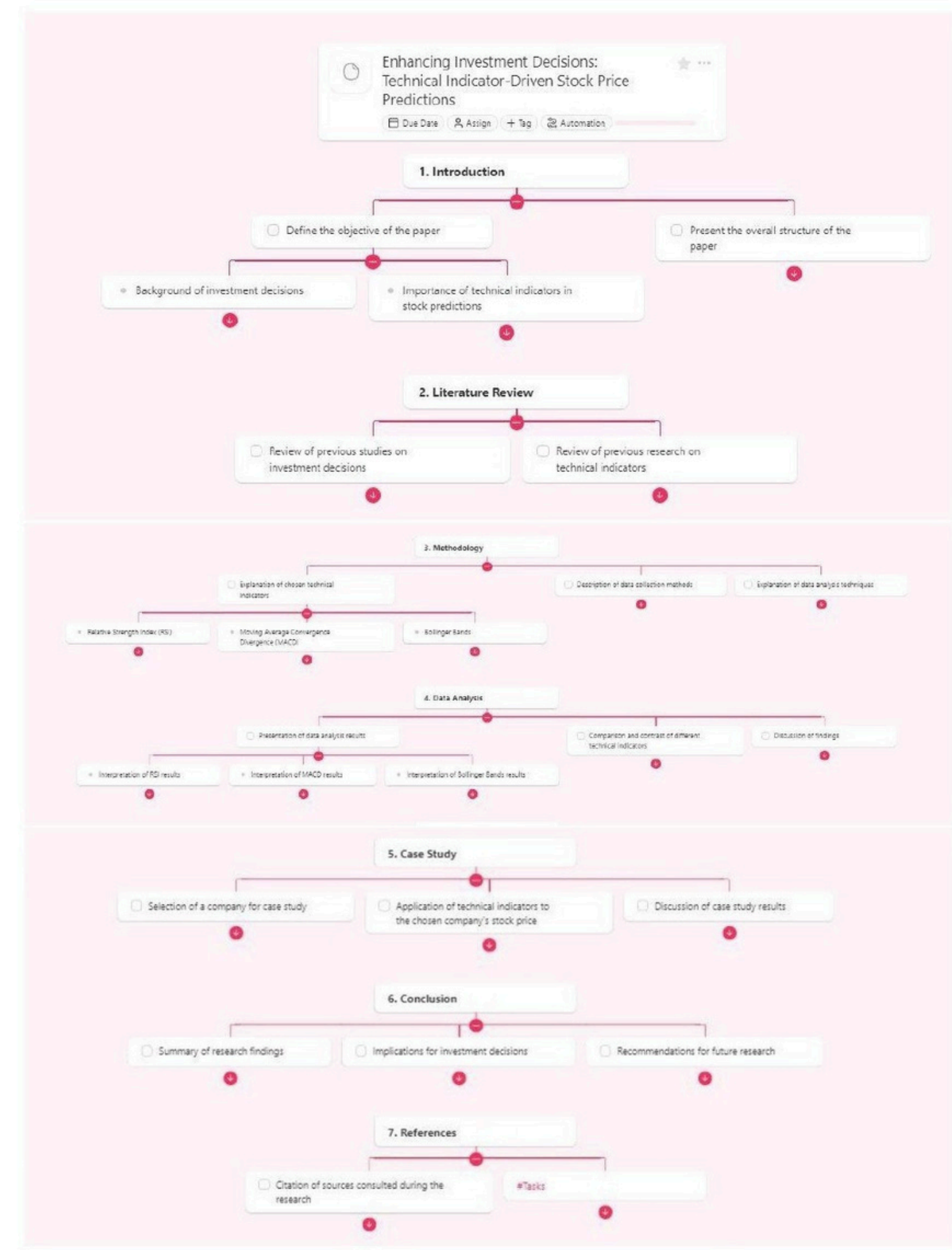


Understanding Technical Indicators

Technical indicators are statistical tools used to analyze market trends and make predictions. By studying indicators such as moving averages, RSI, and MACD, investors can gain valuable insights into price movements and potential entry/exit points for trades.



DAY 2 ACTIVITY



Ref No	Author/s Name	Publication details Date of publication , Name of Journal	Title of Paper	Key findings / Observations	Research Gap Identified
1	"Юрий Сергеевич Снежко (2015)	"Basic and Popular Indicators	" Basic and Popular Indicators "	- Study Focus: Examines the effectiveness of basic and popular technical indicators in stock market analysis.	- Research Context: Set in the backdrop of the complex and dynamic nature of the stock market.
2	Liaw Pheng Geok et al. (2022)	combining multi- technical indicators for stock trend prediction	combining multi- technical indicators for stock trend prediction"	- Study Objective: The paper focuses on enhancing stock trend prediction by integrating multiple technical indicators.	- Research Background: It addresses the challenges in predicting stock market trends due to market volatility and complexity.
3	Ching-Hsue Cheng et al.'s (2010)	paper on a hybrid forecasting model for stock price trends	" paper on a hybrid forecasting model for stock price trends"	- Proposes a hybrid forecasting model using multi-technical indicators to predict stock price trends.	- Aims to develop a comprehensive framework that combines a broad array of technical indicators with machine learning techniques for accurate stock price prediction.

4	Zhige Li et al.'s (2019)	January 7, 2022, International Journal of Digital Finance	"Scalability Focuses on optimizing existing technical indicators through the Technical Trading Indicator Optimization (TTIO) framework"	- Specifically targets the improvement of original technical indicators through optimization,	Aims to develop a comprehensive framework that integrates a wide array of technical indicators with machine learning techniques for accurate stock price predictio
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Work Flow

WORKFLOW LINK

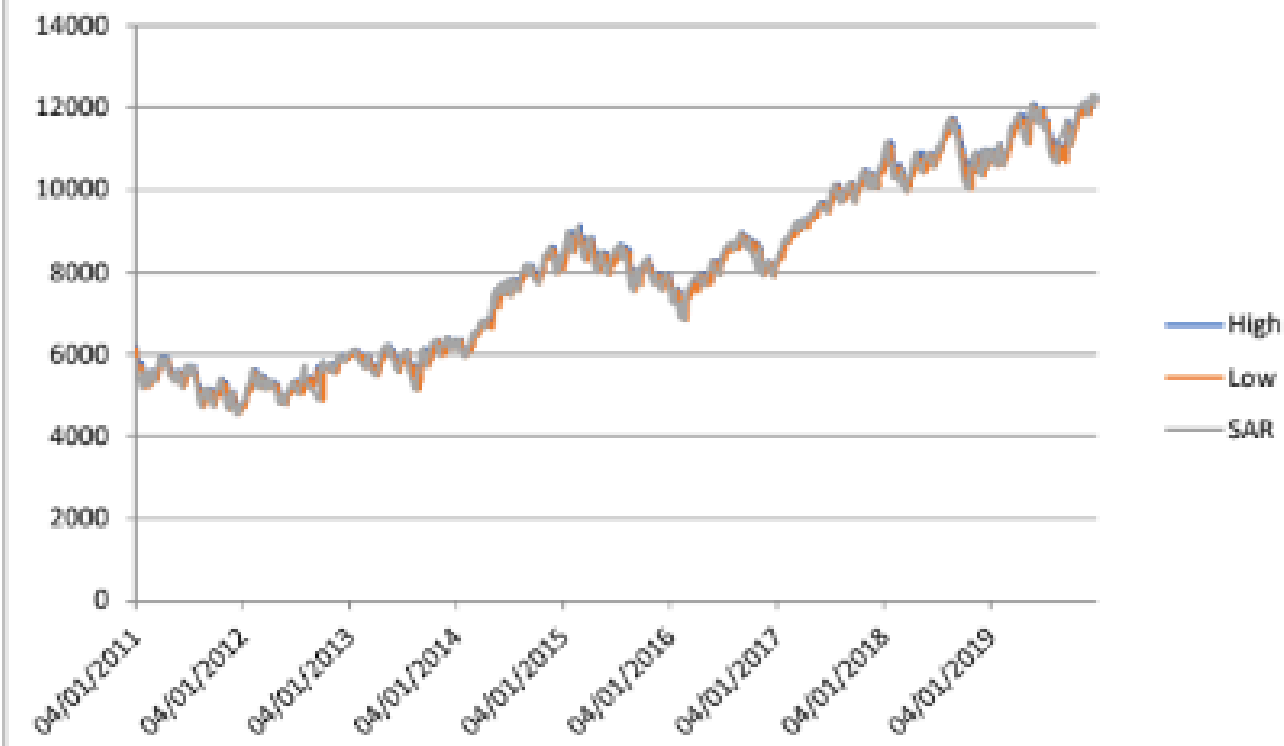
MODEL



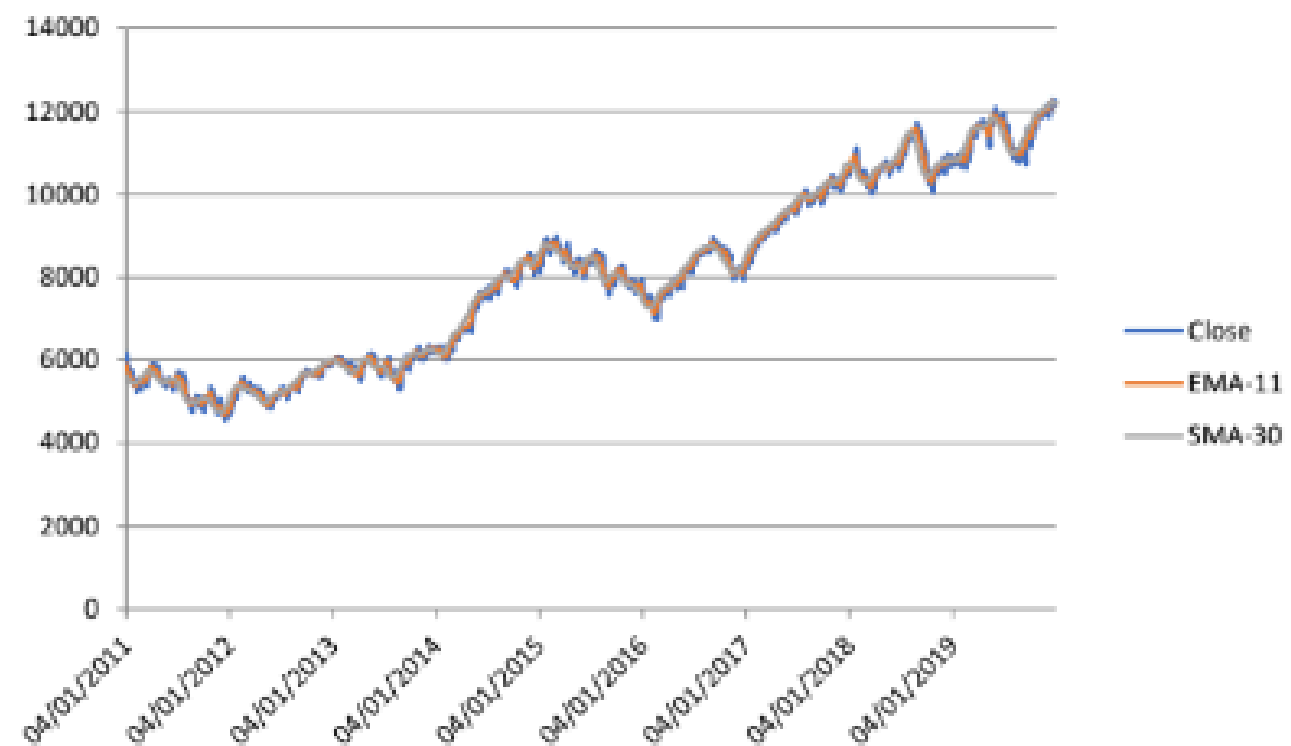
Bollinger Bands



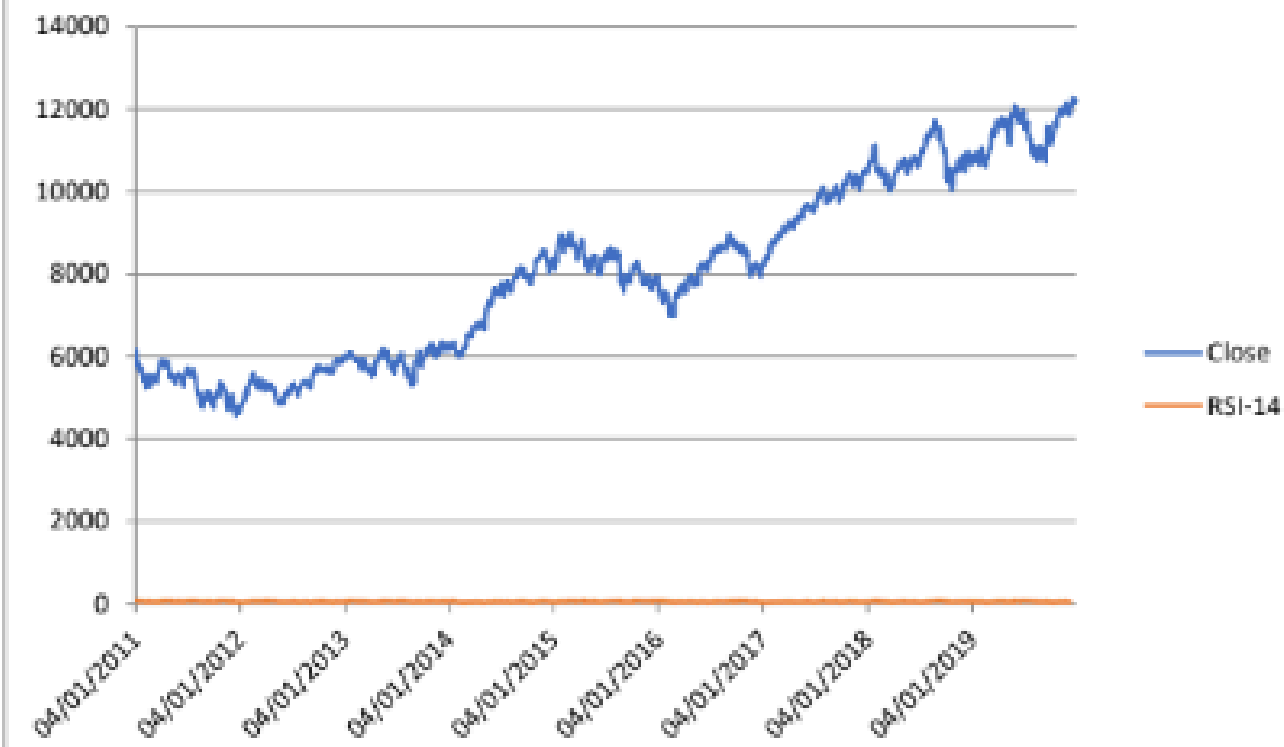
Parabolic SAR



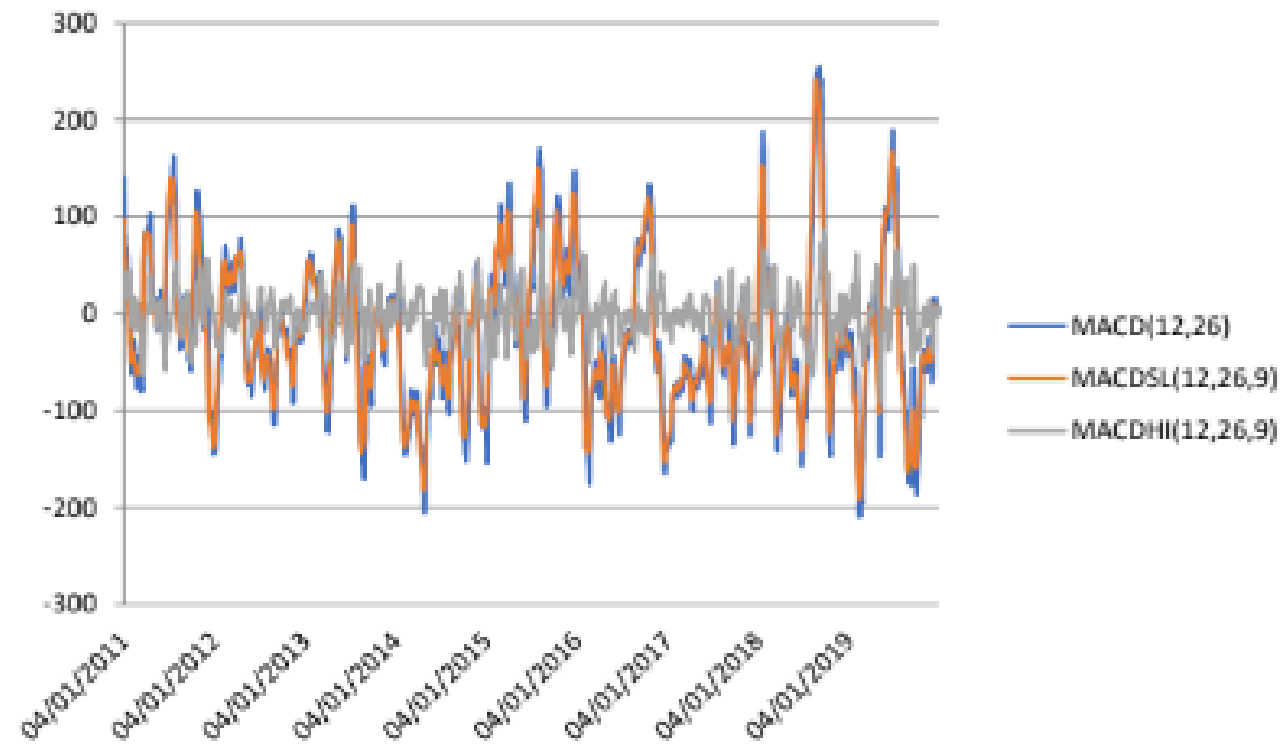
Moving Average Crossover



Relative Strength Index



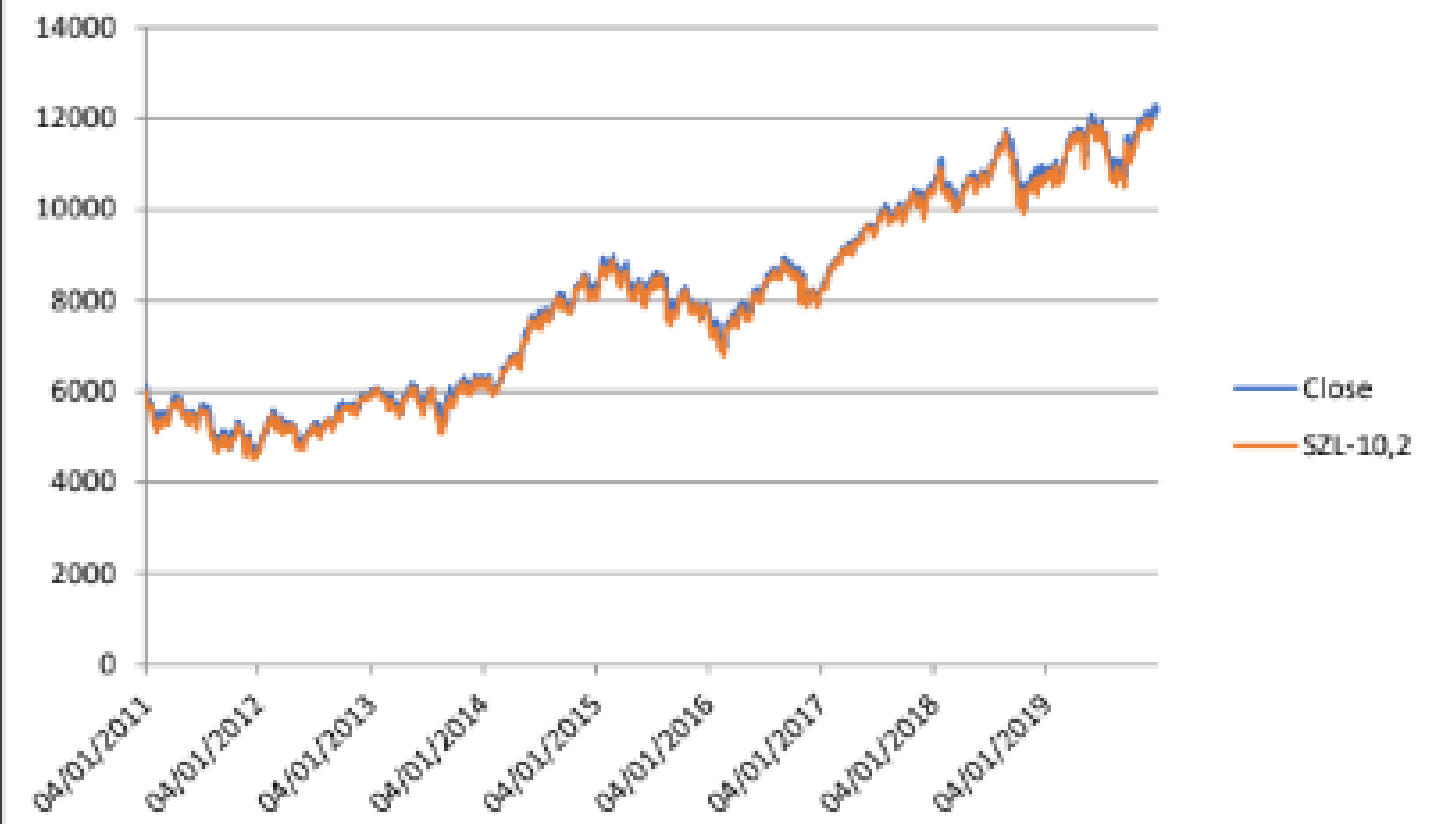
Moving Average Convergence Divergence



Average Directional Movement



SafeZone Stop - Long



Conclusion

In conclusion, leveraging technical indicators for accurate stock price predictions requires a deep understanding of market dynamics and a disciplined approach. By integrating multiple indicators and conducting thorough analysis, investors can optimize their investment decisions and achieve better outcomes.





Thanks!