Tableau or Power BI Dashboarding project proposal
Cryptocurrency Analysis

Executive Summary:

This project is made to focus to develop a comprehensive analysis framework for cryptocurrency markets, by using advanced analytical tools and techniques to provide actionable insights for investors and stakeholders. The project will focus on creating dynamic and intuitive dashboards to visualize and interpret cryptocurrency market trends, patterns, insights and sentiment analysis.

Problem Statement:

Overall: Cryptocurrency markets are highly volatile and complex, making it challenging for investors to make informed decisions based on accurate and up to date information.

Objective: Develop a strong analysis system to track and analyze cryptocurrency market data in real time, enabling investors to make data driven decisions.

Scope: Analyzing multiple cryptocurrencies, including Bitcoin, Ethereum, and other significant altcoins, focusing on market trends, trading patterns, and sentiment analysis.

Data Sources:

I've acquired this dataset from Kaggle. And it consists of two types:-

Primary Data: Cryptocurrency market data from various exchanges and blockchain sources, including historical price data, trading volumes, market capitalization, and blockchain transactions.

Secondary Data: External data sources like social media sentiment, news sentiment, and macroeconomic factors influencing cryptocurrency markets.

Methodology:

Data Collection: Aggregate and cleaning of data from diverse cryptocurrency exchanges and blockchain sources, forecasting and prediction in this.

Analytics Framework: Making multiple pages powerbi report and inter connected multiple page dashboard.

Visualization: Utilized visualization tools like Tableau or Power BI to create interactive dashboards for visual representation of market trends and sentiment analysis.

Expected Outcomes:

- Real-time visualizations providing insights into cryptocurrency market trends and sentiment analysis.
- Enhanced decision-making for investors by providing comprehensive market analysis.
- Improved understanding of market dynamics and correlations between cryptocurrencies and external factors.

Tools and Technologies:

- Using excel csv files and gathering them all and making into single dataset.
- Tableau/Power BI for visualization and dashboard creation.

Risks and Challenges:

- Data reliability and consistency across various sources.
- Rapid changes and volatility in the cryptocurrency market.
- Assurance of data accuracy and consistency throughout the dashboards to avoid misleading insights.

Conclusion:

This project accomplish to create a strong and reliable cryptocurrency analysis system that empowers investors and stakeholders with real-time insights. By using advanced analytical tools and data visualization techniques, this framework will facilitate informed decision-making in the dynamic and evolving cryptocurrency markets.