

Project Gantt Chart

Project Planning and Research

- Literature Review
- Determine project feasibility.

Data Collection

- Collect the historical Bitcoin news data.
- Collect the historical Bitcoin price data.
- Check the validity and the reliability of the data.
- Finalize data file.

Data Preparation, Normalization and Analysis

- Ensuring data is sufficient for the task.
- Clean and preprocess the data.
- Exploratory data analysis on the data.
- Sentiment analysis on news articles.

Model Development

- Design a model for Bitcoin price based on sentiment analysis.
- Develop and train the model.
- The model.

Testing the Model and Refinement

- Test the model.
- Perform error analysis for common failure models.
- Refine the model based on the testing results.

Result Analysis and Reporting

- Analyze the prediction results.
- Write up the project report.
- Project report.

