Ömer Faruk Çevik
Proposal Presentation
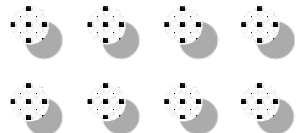
SWE 584 2022 spring

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Content

- Motivation
- Data sources
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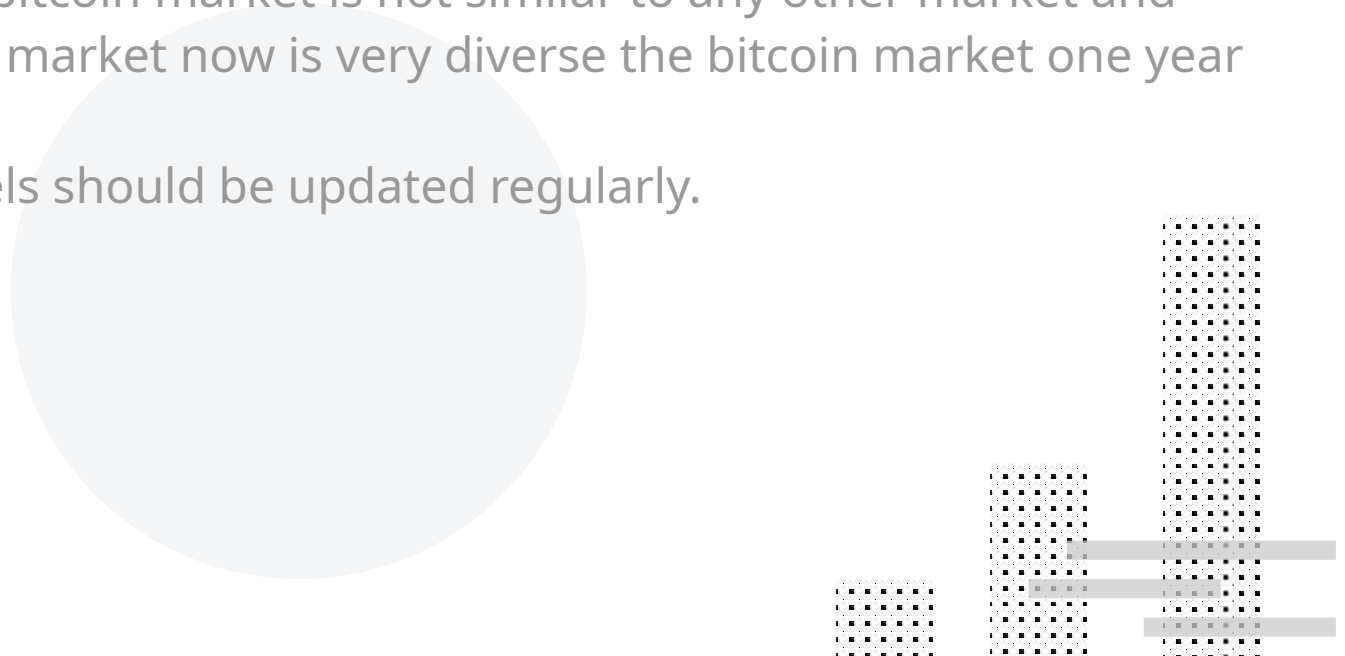

Illustrations by Pixeltrue on icons8

Motivation

- Financial markets provides huge opportunity for the investors
- If an investor make right decisons he can earn huge amount of money in short time
- Of course he can lose money in short time if he can not
- Bitcoin market is unique in many ways such as
  - Bitcoins are traded in whole world in real time on thousands of exchanges while stocks, currencies or others are traded in predefined time intervals.
  - Supply of bitcoin depends on algorithm.

Motivation

- Thousands of economists, films and social media geeks try to predict bitcoin prices, but almost all of them fail.
- I think because bitcoin market is not similar to any other market and even the bitcoin market now is very diverse the bitcoin market one year ago.
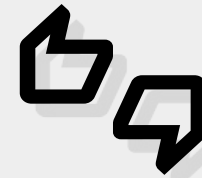- Prediction models should be updated regularly.

1- Glassnode
Provides bitcoin wallet
number and their amount

**2- Coin360, defipulse,
coingecko**

Detailed price history

3 - Tradingview

All statistical parameters not only about
bitcoin, but also whole markets

01 Data gathering

Deciding on which data will be used such as number of bitcoin wallets, volumes on exchanges etc.
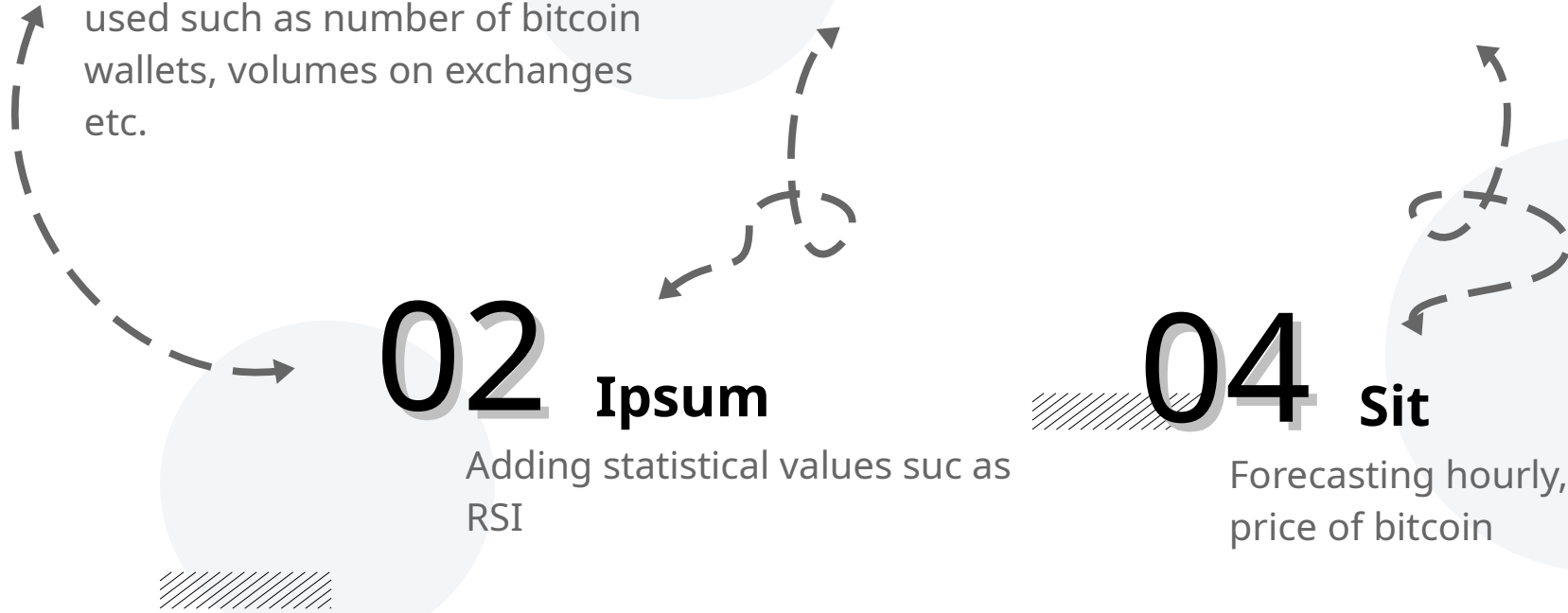
03 Dolor

Deciding on the model

02 Ipsum

Adding statistical values suc as RSI

04 Sit

Forecasting hourly, daily, weekly price of bitcoin

Summary

Forecasting models have been building for weather, animal behavior, stock exchanges, economic crisis warning, climate change and various other future events.
Bitcoin market prediction models are also exist.
I will research the prediction models and try to build my own model.
I think using a regression model or a combination of models migh be suitable.

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