# **Dancing Oregano + Stock Price Indicator (Candle Chart)**





#### How it works?

- (1) The oregano toy waves its two leaves.
- (2) When the stock price goes down, it speeds down dancing. (or up, customizable)
- (3) When the stock price goes up, it speeds up dancing.

## Who need it?

- (1) An office worker who does not want to be caught monitoring the stock chart during working hours by his/her boss.
- (2) A full-time day trader having various portfolio (in different sectors)
- (3) A poilot, taxi driver, bus driver, Uber driver, and so forth

## How to build it?

Leverage Data Science:

- (a) Gather the price data from the API (yFinance)
- (b) Analyze the numeric info.
- (c) Convert the info. into an electric signal
- (4) Transmit it through a USB cable connecting to the main body of the dancing tree.

#### (e.g.: receving the real-time stock price data through API)

```
def yfinance df(ticker):
   global yf_counter
   # start date is since 1970, which is default value
   start date = '1970-01-01'
   if ticker in non_timeout_tickers:
          time.sleep(0.5)
          df = yf.download(ticker, start = start_date, end = day_plus, prepost = True, progress=False, show_errors
          df['Date'] = df['Date'].dt.strftime('%Y-%m-%d')
          df['Date'] = df.Date.astype('datetime64[ns]')
          return df
       except:
          yf counter += 1
          if yf_counter <= 50:</pre>
             return yfinance_df(ticker)
             yf_counter = 0
             message = f'Ticker [{ticker}] may be delisted. Return an empty DataFrame.'
             print('Except >>> ' + message)
             alarm()
             voice_message(message)
             return pd.DataFrame()
```





problem-solving cases with the insight from Oregano



Oregano is an open-source platform for business process modeling and analysis. It can help in problem-solving by providing a visual representation of a business process and allowing you to simulate scenarios to identify potential bottlenecks or inefficiencies. Here are a few examples of how Oregano can be used to solve problems in a business setting:



- Supply Chain Optimization: If a company is experiencing delays or bottlenecks in their supply chain, they can use Oregano to model the process and simulate different scenarios to identify the root cause of the problem. This can help the company optimize the supply chain and improve overall efficiency.
- 2. Customer Service Process: A company that is having issues with customer satisfaction can use Oregano to model their customer service process. They can simulate different scenarios to identify areas where customers may be getting frustrated and find ways to improve the process to enhance the customer experience.
- Resource Allocation: A company that is having trouble allocating resources
  effectively can use Oregano to model their resource allocation process. By
  simulating different scenarios, they can identify areas where resources are
  being underutilized or overutilized and make adjustments to improve
  overall efficiency.

In each of these cases, Oregano can provide valuable insights into the business process and help the company find solutions to problems that may be impacting their bottom line.





Sure, here are some additional details about how Oregano can help with problem-solving in a business setting:





- 1. Process Simulation: Oregano allows you to simulate a business process, including all its components, inputs, and outputs. By simulating different scenarios, you can gain a deeper understanding of how the process works and identify areas where improvements can be made.
- 2. Process Optimization: Oregano provides a visual representation of a business process, which can help you to identify areas where the process can be optimized. For example, you may be able to identify areas where steps can be combined or eliminated to reduce waste and improve efficiency.
- 3. Collaborative Problem-Solving: Oregano allows multiple stakeholders to work together to identify and solve problems. This collaboration can lead to a more comprehensive understanding of the problem and a more effective solution.
- 4. Process Monitoring and Analysis: Oregano provides a visual representation of a business process that allows you to monitor and analyze the process in real-time. This can help you to identify problems as they occur and take corrective action before they become larger issues.
- 5. Integration with Other Tools: Oregano can be integrated with other tools, such as project management software and data analysis tools, to provide a more complete picture of a business process. This integration can help you to make more informed decisions and find better solutions to problems.

In summary, Oregano is a powerful tool that can help businesses to identify and solve problems more effectively. By providing a visual representation of a business process and allowing for simulation and analysis, Oregano can help businesses to improve efficiency, reduce waste, and enhance the customer experience.