

STP Worksheet

S- Situation T- Target P- Plan

Attempts at delegation and action planning often fail because there is a lack of alignment on the definition of the situation. Furthermore, rarely do people clearly agree on the target state prior to formulating an Action Plan. Attaining agreement on **what** the situation and the ideal target state are, **before attempting to discuss how** to get to the target state will ensure solid Action Plans. When Action Plans are also developed by the people responsible for the results, the commitment to the plans will be higher and the opportunity for success significantly increased. If the endeavor is delegated, it's important to check that there is agreement on the situation and the target with key interested parties, before implementing the Action Plan. This ensures that the Action Plan will be supported and deliver the results desired.

Hurdle or Barrier we are addressing:

Our group (Group 3) would like to address the comparison of the European Euro to the relative strength of the US USD currency and how it affects the overall market. Specifically how to interpret all stocks within a country in a way where we are able to predict when the fluctuations between the currencies will occur. (All stocks in US between all stocks in Euro Country to Country more holistic point of view)

S - Defining the Situation:

Ask questions beginning with what, when, where, why, who and how. For example: How is it effecting our customers, employees, financial results, competitive position, teamwork, communications and the quality of our products/services? Include facts, opinions, beliefs, feelings, hunches, and assumptions. Feelings and beliefs are valid, just because someone feels them. Only facts can be debated and tested. If there is disagreement on facts or significant facts are unknown, the action plan can include an information-gathering step.

Who: Investors, global companies, citizens, and the overall forex market

What: The exchange rate of the stock market of the US dollars and euros which are significantly used currencies in the stock market are affected by different factors like geopolitical relationships, economic growth related to inflation in both regions (USA and Europe which also includes the strength of each country's economy compared to others).

Where: USA and Eurozone

When: Dec 2022 - Aug 2024

Why: It will be useful for anyone in economics to be able to predict the Euro and USD, as it can affect trade between countries. This is important for people traveling from country to country, or people investing trying to make a profit, or for companies with corporations in multiple countries, and want to hedge against fluctuating currency prices.

How: How EUROUSD affects people is simple: companies and citizens are helped by a strong relative currency of their country for it makes imports cheaper. Additionally, EUROUSD affects the country's overall economy, because the Federal Reserve manipulates interest rates to keep the currency's price at a set level, and interest rates affect purchasing power. Finally, EUROUSD affects investors and their customers because it can make or lose money.

T- Identifying the Target:

What is the ideal state? It's the end of the assignment and we've done a great job, what does that look like? What outcomes or results are we looking for? **Check that for every point under the situation, there is a point under the target that addresses the issue.**

The primary goal we are aiming to achieve is to have an accurate understanding of how the stock market operates in a country. From this point we will be able to predict price action which could be used for investing and trading. We will also be able to collect large amounts of data to pinpoint patterns to anticipate what will happen next in the market. By the end of our project, we should see how investors, global companies, citizens, and the overall forex market are all affected. By analyzing data using trading view and various data analytics techniques, this information will be insightful for anyone looking to trade between countries. This analysis will also be beneficial in learning economic information that can support job openings, house markets, governments, schools, learning, and even things such as transportation.

P- Plan

Action Planning Worksheet

Date: 9/9/24 **Champion:** Group 3 **Team:** Group 3

Given the Situation and Target, our goal is to compare the strength of the Euro and USD in order to see how it effects the stock market, specifically to be able to predict when fluctuations occur.

Why this goal is important OR (CSF(s) it addresses: currency is always changing, and it's important to be able to predict the fluctuations in order to protect the countries' economy and relationship with other countries.

Measurable Result (How we'll know it's successfully completed)

If the model that predicts when to buy EuroUSD successfully predicts the best times to do so. If the total of all investments yield a profit above zero after paying spread and commission (fees).

Action Steps:

What	By When	Who
Collect Data - Collect data from websites/people/other sources	9/11/2024	Group 3
Clean Data - Select columns from datasets that are important, get rid of missing values/values that don't make sense	9/25/2024	
Beginning Data Analysis - Use different functions/models to find connections in the data. Models like scatterplots, histograms, line graph, heat map, box-plot, bar chart, etc. Make mean, correlation, and covariance to get specific numbers	10/02/2024	Group 3
Test - Test to see if there is any correlation between the data. Regroup and try different functions/variables to see if there's correlation between variables we didn't look at	10/23/2024	Group 3
Analyze Findings - See if there is any trends/patterns in the correlation, see periods of time where the strength of Euro/USD surpasses the other	10/30/2024	Group 3
Summarize - Format findings into something easy to read, summarize findings and relationship between the data that is being compared. Make models that translate our findings	11/08/2024	Group 3
Make Presentation - Take the summary/models and make it into an interactive presentation, maybe based on a timeline	11/27/2024	Group 3
Present - Present the findings	12/2/2024	Group 3

Questions:

Are the Actions ordered to provide the most significant impact as early as possible? Is there a significant benefit to the company if a partial solution is implemented first, and refinements added later?

% Chance of Success _____ **Or** _____ **foot toss**

Possible Major Barriers to Success: We might not use the right data/columns from the dataset and mess something up, it will also be difficult to decide what functions we will use to see how the data is related.

Help Required:

Assistance from the professor when we are stuck or need advice. Help from all the group members to make this project a success.