## **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 priorto 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:**

Do changes in national interest rates and inflation rates significantly affect unemployment rates in the states of Washington, Maryland, and New York, and subsequently, how do these economic factors influence local crime rates in each state?

## **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.

What economic factors lead to higher unemployment? What sort of crimes spike during unemployment or drop off? When do interest and consumer price rates increase? Where are the most crimes taking place? Why do crime rates differ across states? Who is affected most by the economic factors I’m examining? Who does this research project apply to? How do certain environmental factors affect crime?

## **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 ideal end state would be a project that has multiple easy-to-understand visualizations that clearly establish the effect of interest and consumer price rates on unemployment. And establish clear impacts that these economic factors have on crime. It will also show which crimes are closely tied to these economic factors. Explain why interest and consumer price rates increase, show which states are the most affected.

STP Worksheet

## **P- Plan**

**Action Planning Worksheet**

**Date:** 9/10/2023 **Champion**: Philip Bailey **Team:**

**Given the Situation and Target, our goal is to** show or dismiss correlation between these data sets and explain why.

**Why this goal is important *OR* (CSF(s) it addresses:** It addresses something that affects everyone in the world. There is constant economic turmoil and crime around us so it would be helpful to be able to predict when crime is likely to take place.

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

I’ll be able to successfully complete this project when I can show whether or not there is a relationship between interest and consumer price rates on unemployment and whether these economic factors affect crime.

## **Action Steps:**

| **What** | **By When** | **Who** |
| --- | --- | --- |
|  |  |  |
| Integrate Feedback into project idea | 9/14/23 |  |
| Collect Datasets | 9/17/23 |  |
| Clean datasets | 9/17/23 |  |
| Data Engineering: Joining Data Assessment | 9/17/23 |  |
| Explore Graphics |  |  |
| Data Exploration: Graphics | 9/24/23 |  |
| Create a Linear Regression Model | 9/28/23 |  |
| Create Line Graph | 9/28/23 |  |
| Data Graphics | 9/28/23 |  |
| Data Flow Diagram and Graphics | 10/1/23 |  |
| Midterm Presentation | 10/15/23 |  |
| Post and Provide Feedback on Midterm presentations | 10/15/23 |  |
| Data Ethics |  |  |
| Final Presentation |  |  |
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### **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 100** ***Or*** **foot toss**

**Possible Major Barriers to Success**: Not enough data to make a definite conclusion.

### **Help Required:**