

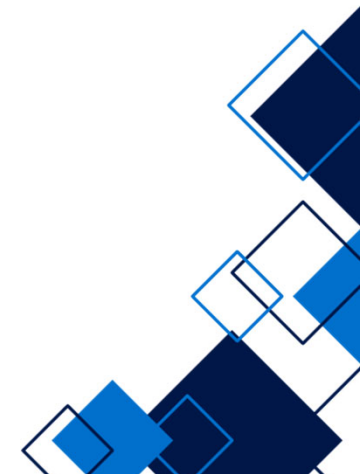
A Systematic Approach to Problem Solving

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Educational Objectives

Learners will be able to:

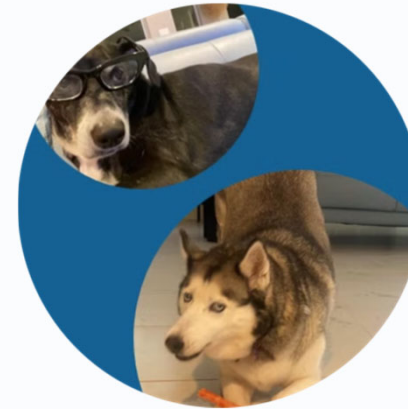
- Define elements of a problem statement
 - Develop SMART goals to address problem statement
 - Explore problem solving tools
- 

About Me



Background

- Physical Therapist
- MBA in Medical Services Management
- Lean Healthcare Certified
- CPHQ
- 13 years in Continuous/Performance Improvement



Personal

- Adopter of senior dogs
- Amateur photographer



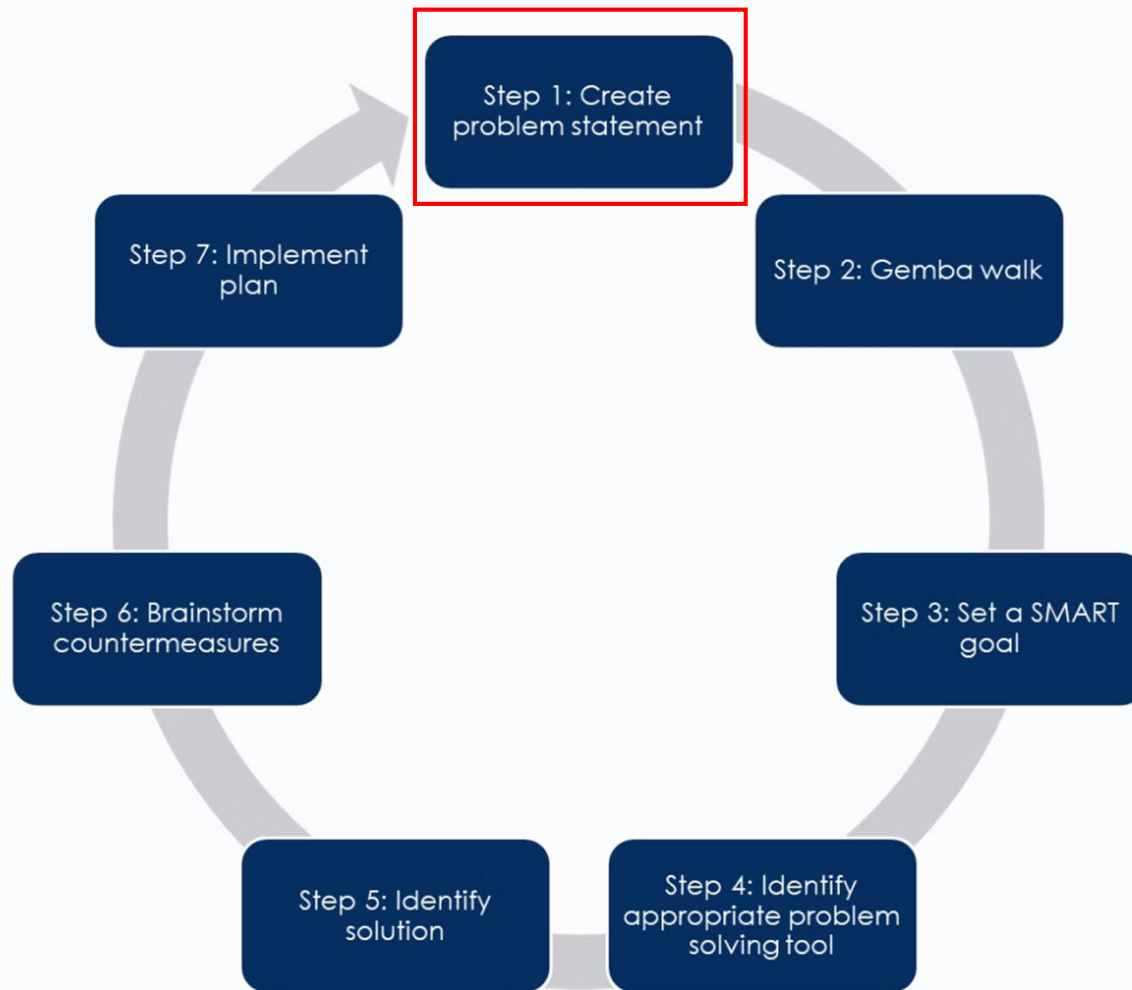
How do you know you have a problem?

The first step in solving a problem is to recognize that it does exist.



Activity #1

Identify a current problem that you would like to solve.



Step 1: Create the Problem Statement

It describes:



Who?

Who is affected?



What?

What is wrong?



When?

When is it occurring?



Where?

Where is the problem?



How?

How large is the problem?

The problem statement should **NOT describe the **WHY**

Problem Statement

- A good problem statement allows anyone to understand why it is a problem, not the cause.

Included Phrases

- Experiencing
- Excessive
- Increase
- Examples of others?

Phrases Not to Include

- Due to
- Because of
- Lack of
- Causing

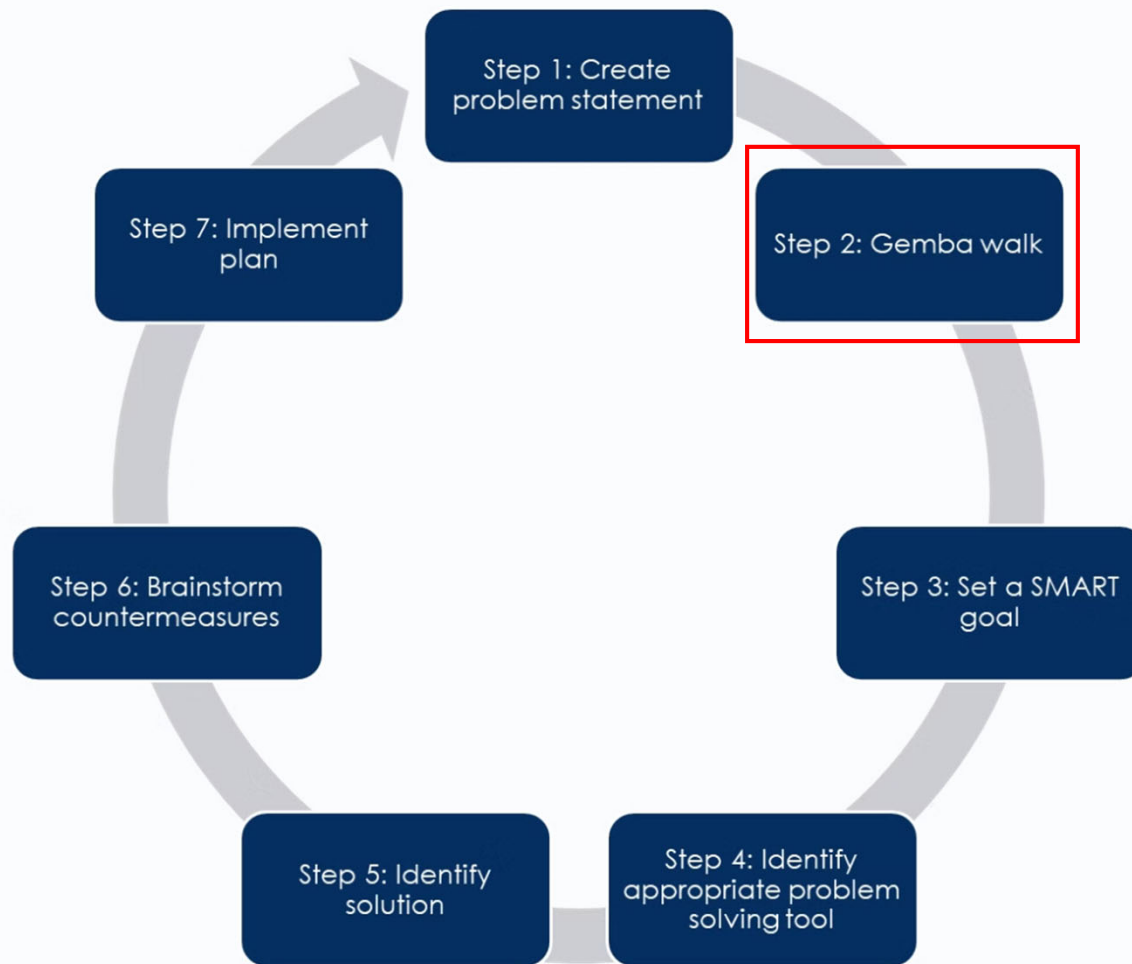
Problem Statement Example:

"Mod Mode is an online fashion retailer. Over the past three months, the company noticed a 40% decrease in its website traffic."



Activity #2

Considering your problem, create a problem statement.



Step 2: Gemba Walk

- Go to Gemba — Where the work is done
- Don't jump to solutions

GEMBA Principles

Observe the process personally,
Observe the real work place,
Team up with the people at the real work place,
But **not blame** people for their mistakes,
try **not to solve** the problems and
make changes right away

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Activity #3

Where would you conduct your
Gemba walk considering the
problem statement you created?



Step 3: Set a SMART Goal

Specific

Measurable

Attainable

Relevant

Time Bound

Step 3: Set a SMART Goal

- Does NOT
 - Assign blame
 - Presume cause
 - Prescribe a solution
- Starts with a VERB *such as*:
 - Reduce
 - Achieve
 - Control
 - Increase

SMART Goal Example:

"Increase website traffic by 40% in three months (February 1st to April 30th)."

Slide 15

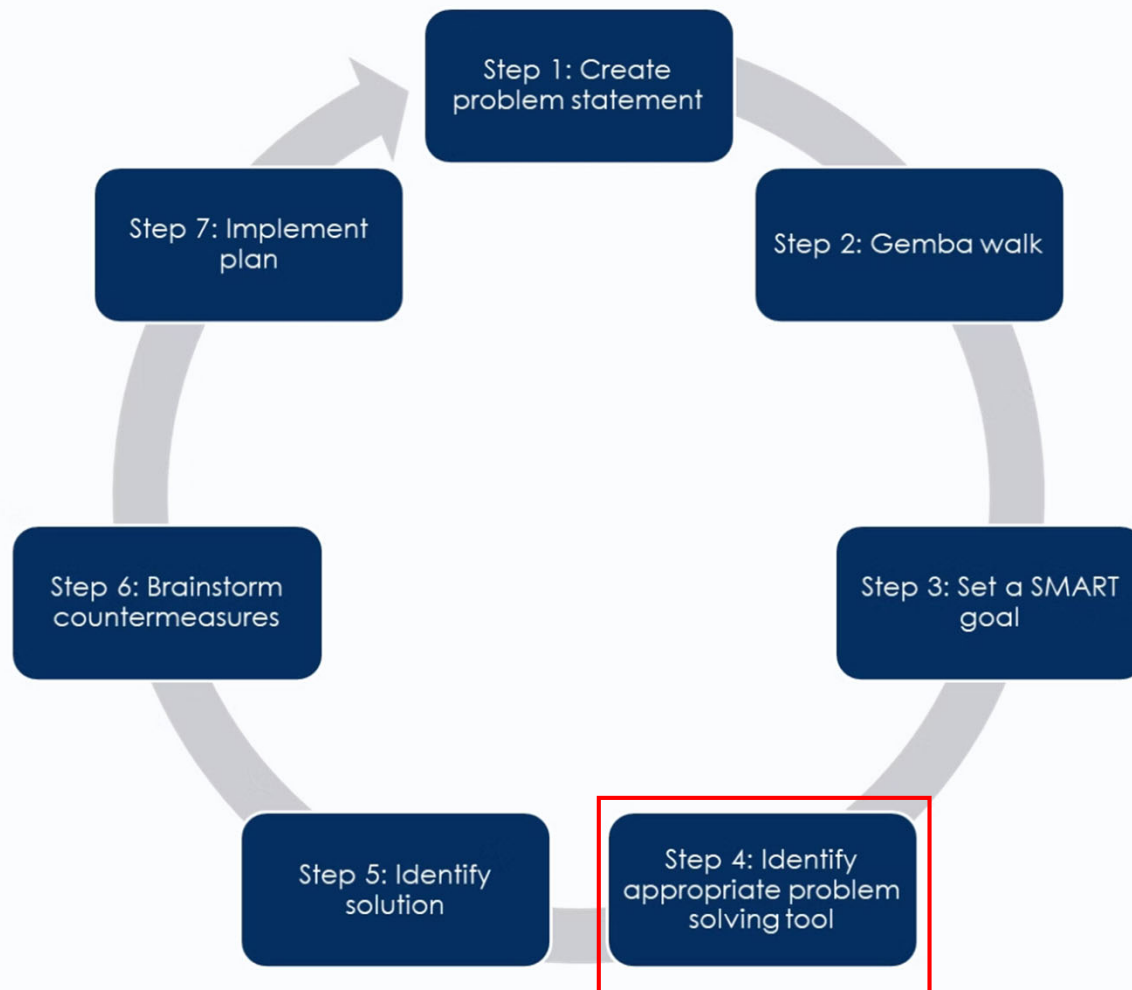
SL1 Ingrid will send over SMART goal example to keep in line with the problem statement example

Samantha Lemus, 2025-01-27T18:13:08.433

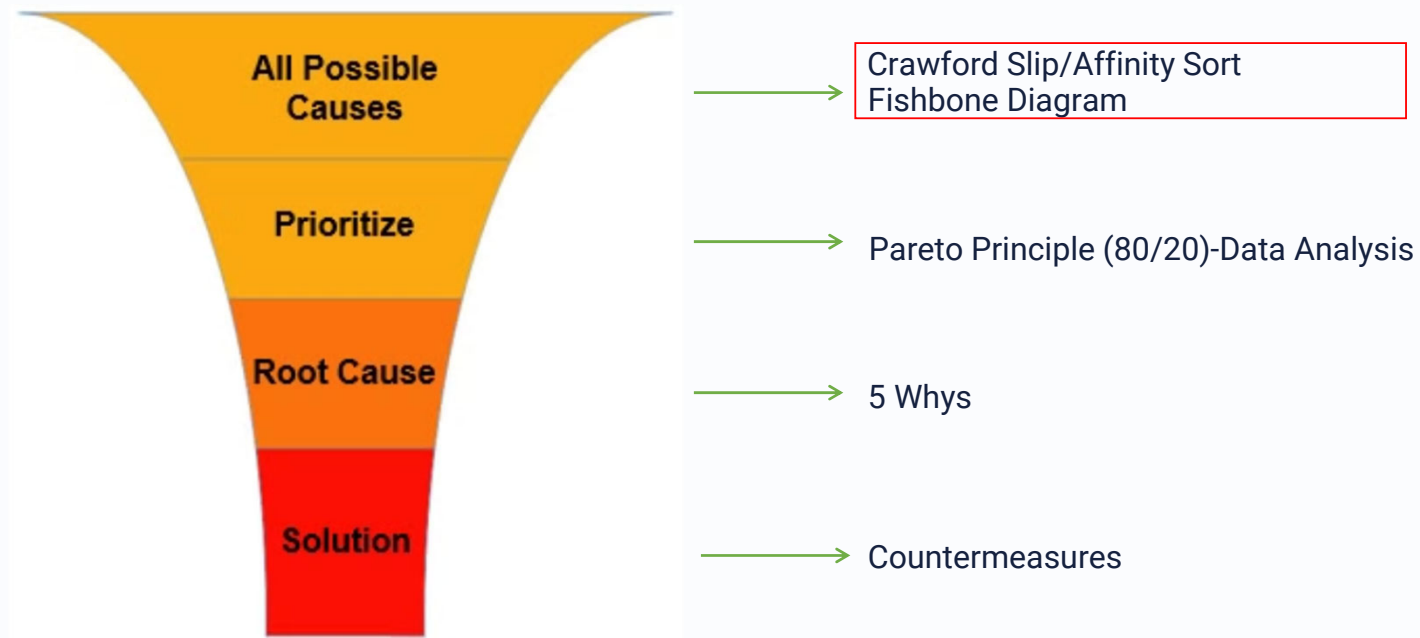


Activity #4

Create at least 1 SMART goal for your identified problem.



Step 4: Identify Appropriate Problem Solving Tool to Identify Solutions



Slide 18

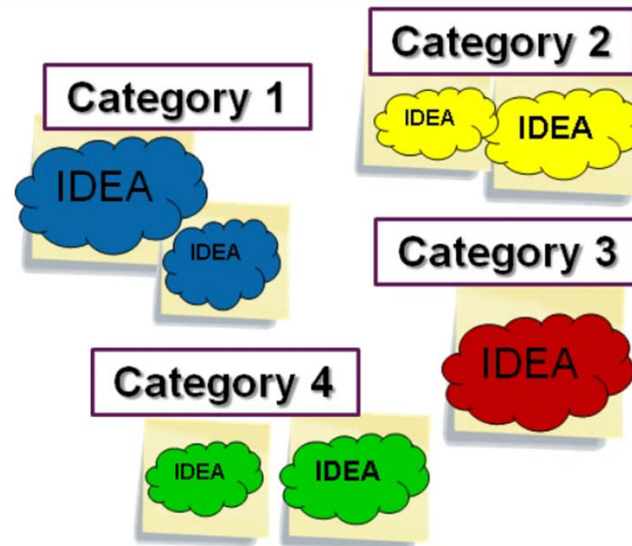
SL1 Use this slide to revise throughout presentation
Samantha Lemus, 2025-01-27T18:42:12.326

Crawford Slip and Affinity Sort



Brainstorm Ideas

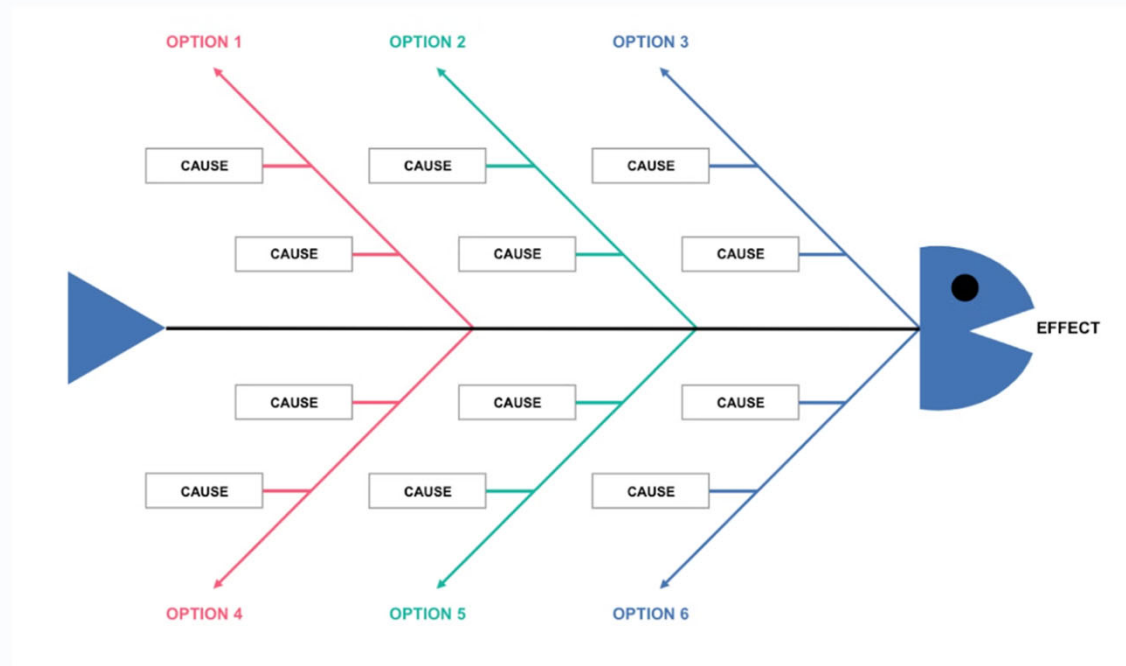
- 1 Idea per Post-It
- Time Limit
- Place on Flat Surface (Random Order)



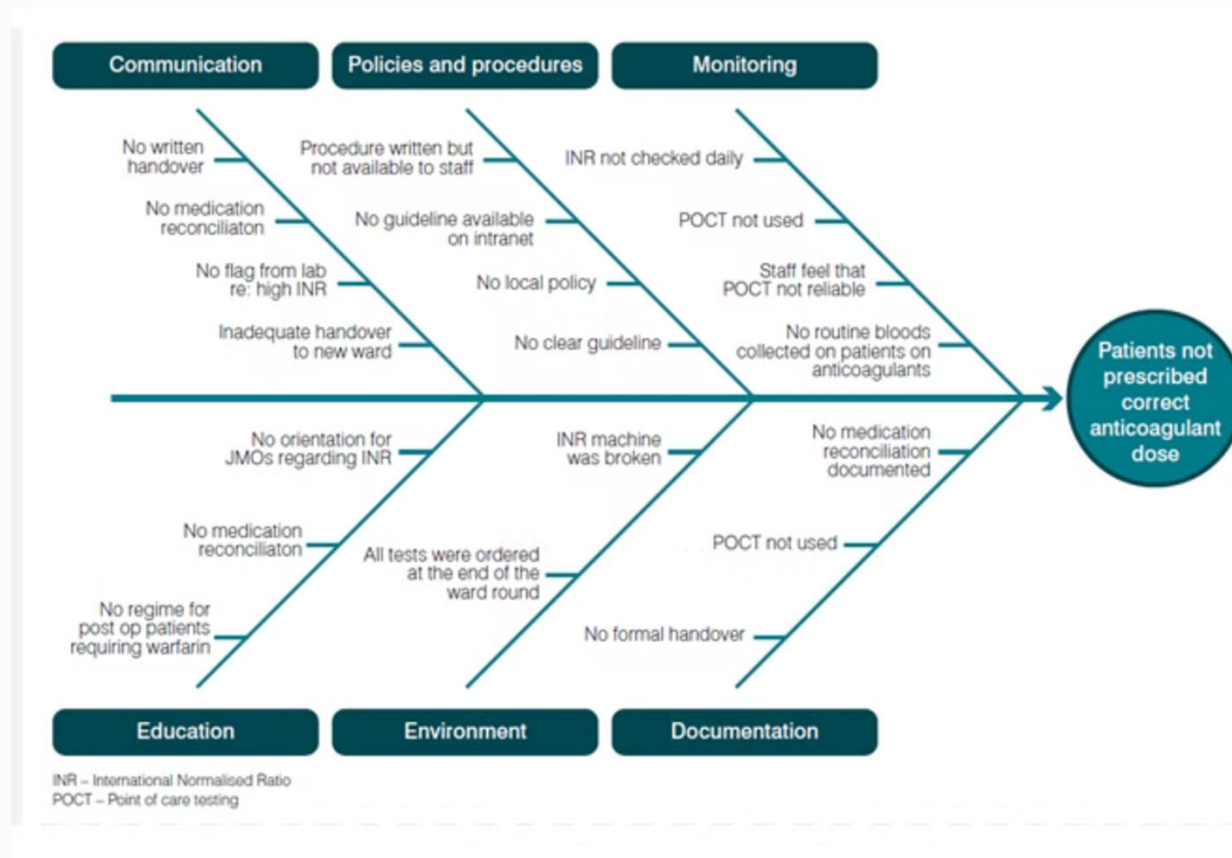
Affinitize Ideas

- Group like Ideas
- Label with Categories that describe overall theme of grouping

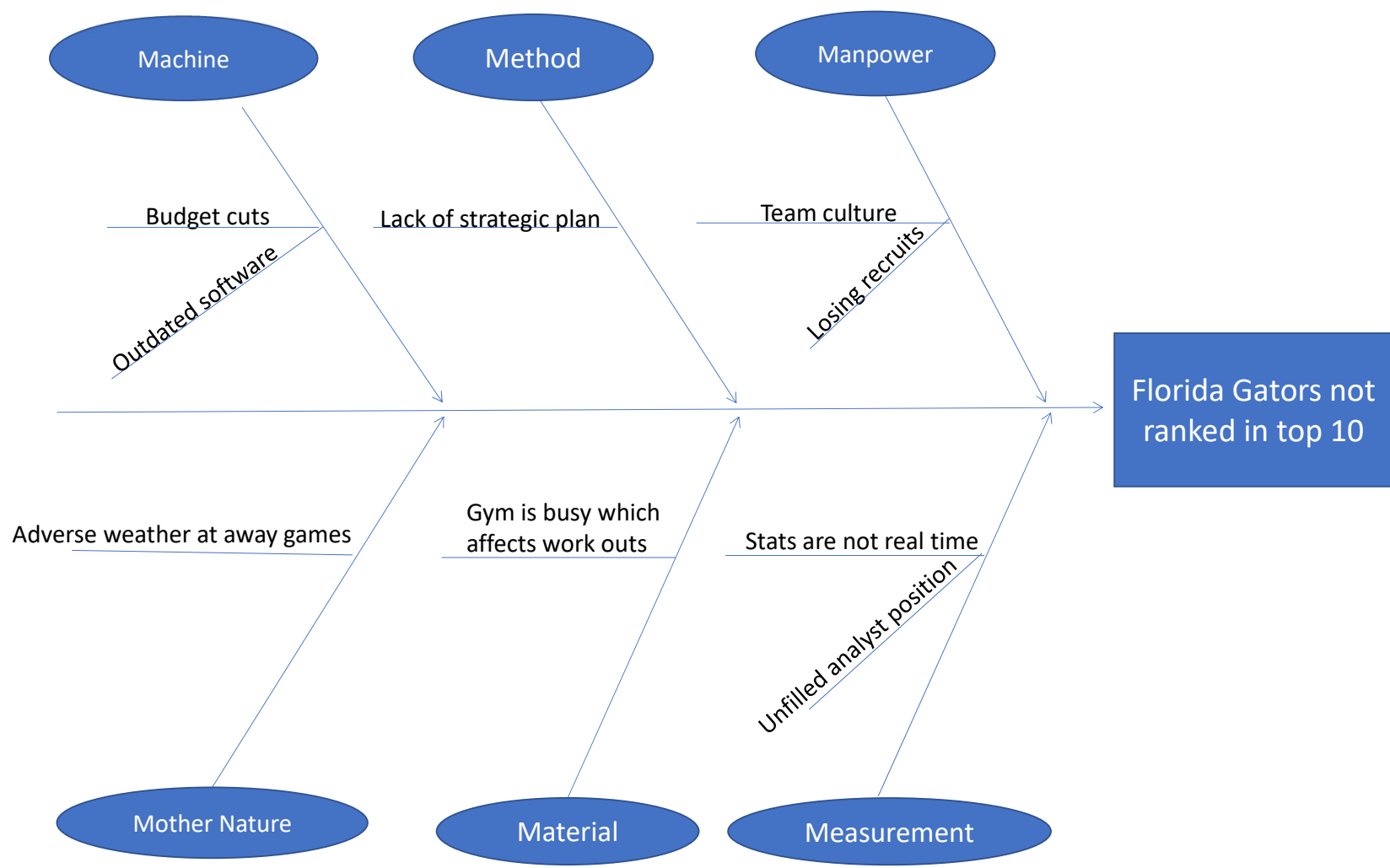
Fishbone Diagram = Cause and Effect



Fishbone Example



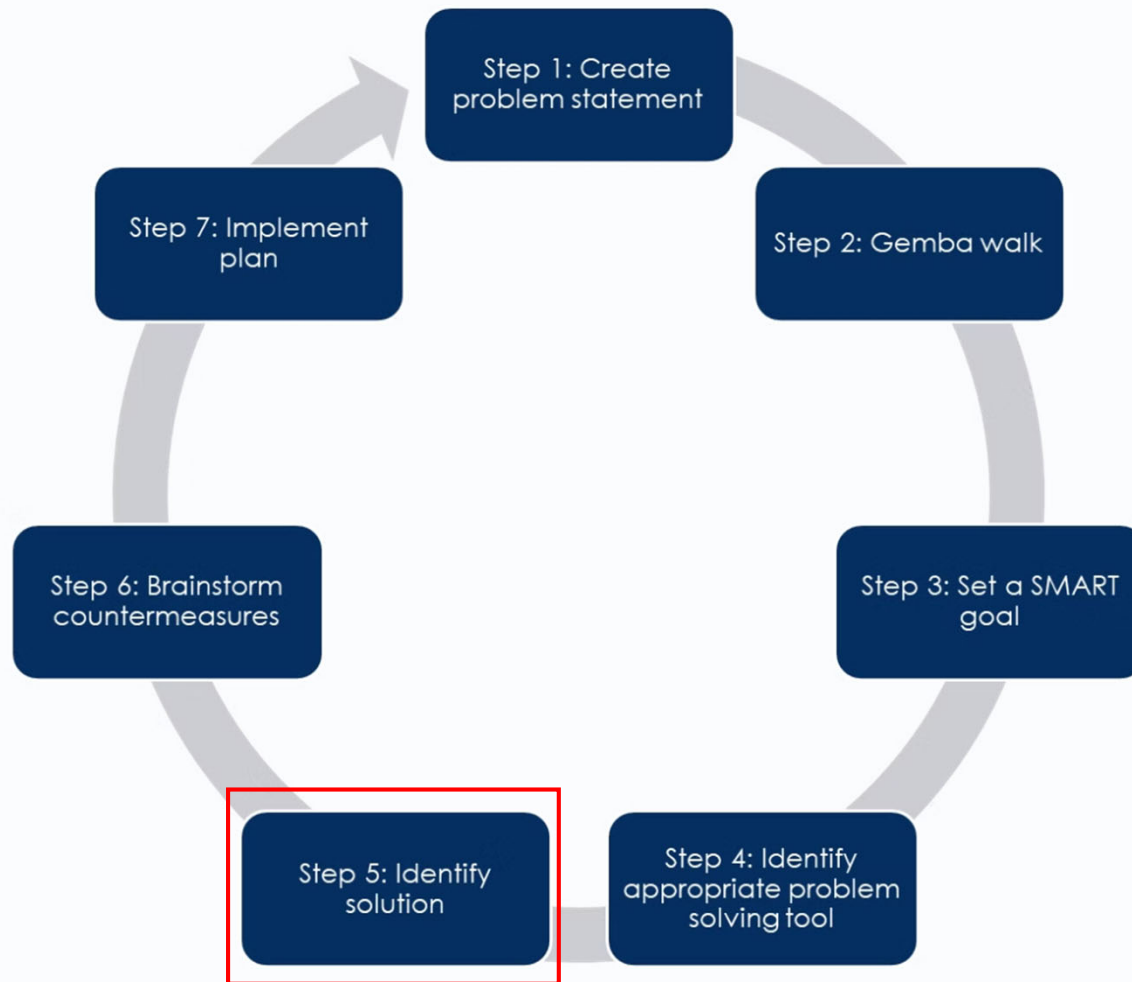
Fishbone Example



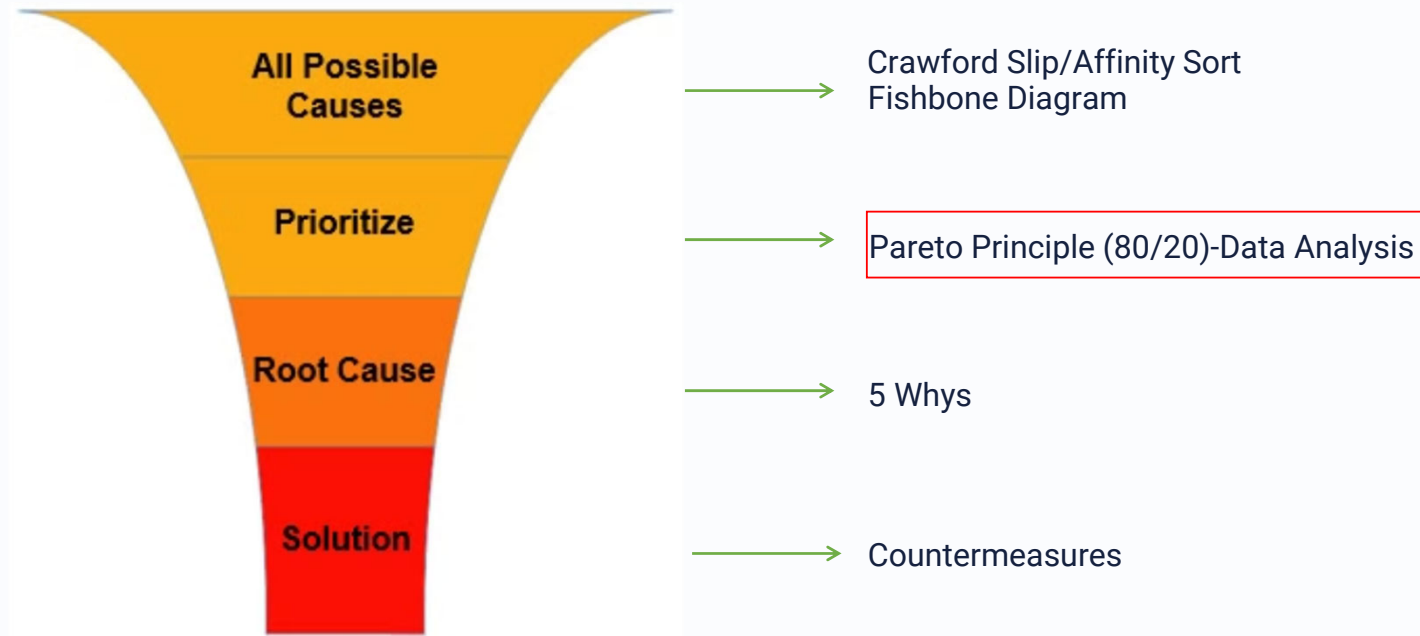


Activity #5

Considering your problem which of the problem solving tools would be most appropriate (Crawford Slip, Affinity Sort, Fishbone)?

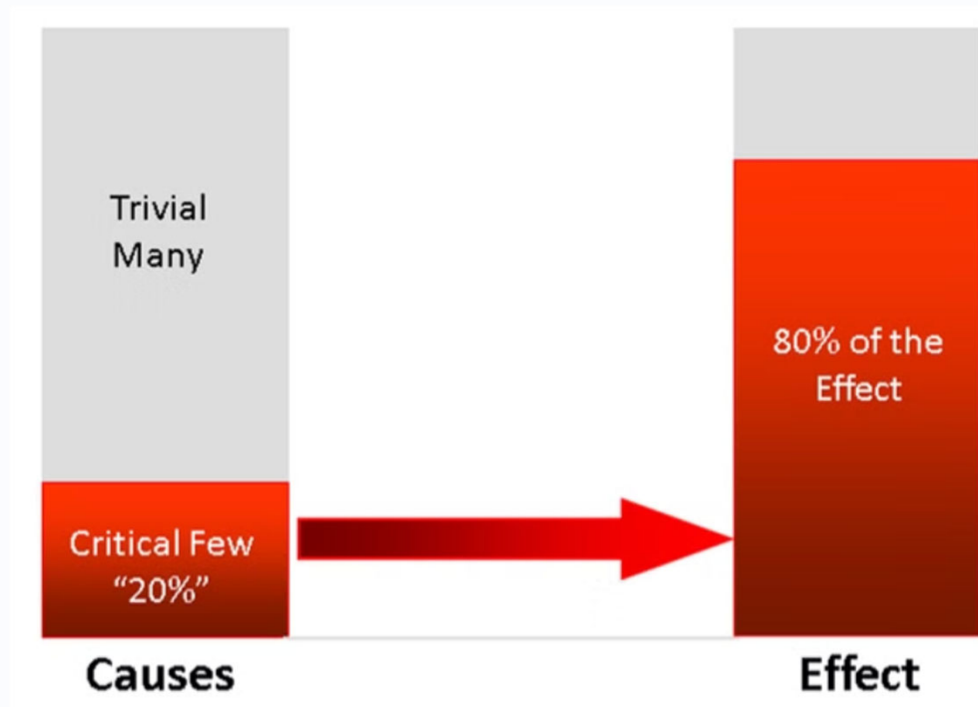


Step 5: Getting to the Solution

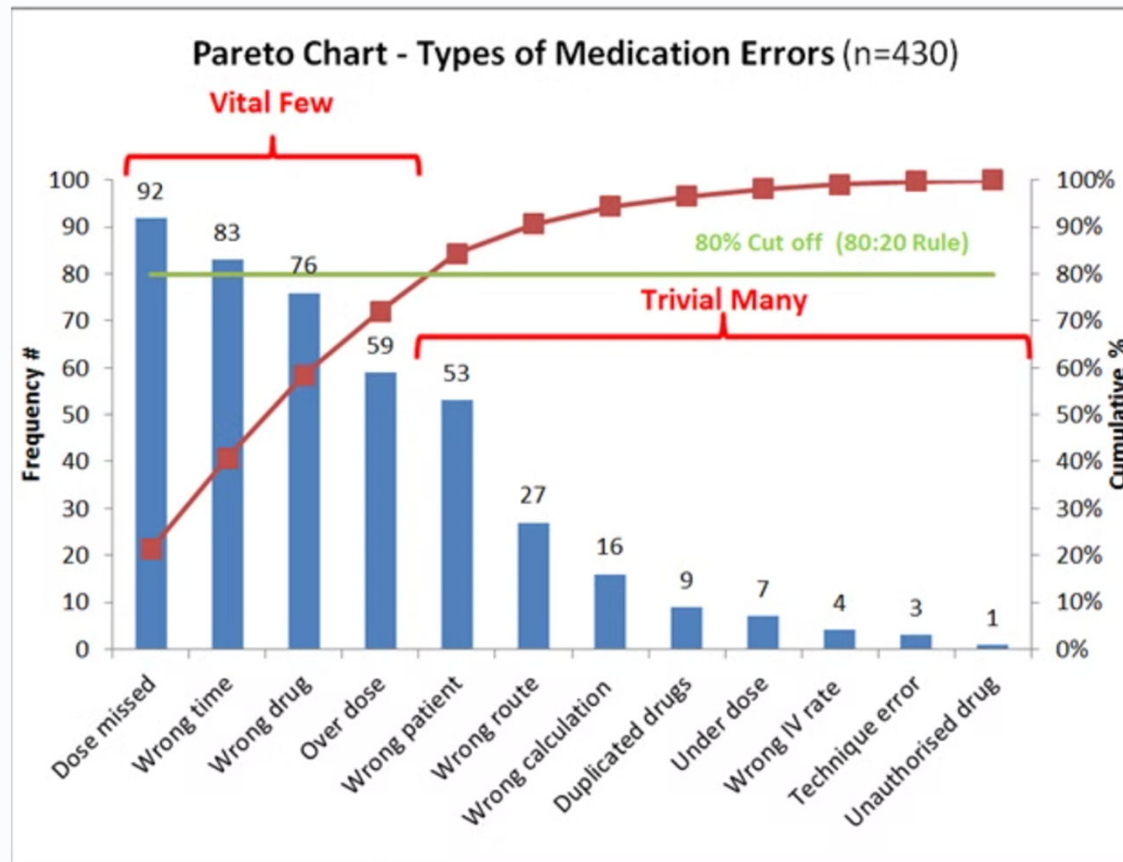


Pareto Principle (80/20)

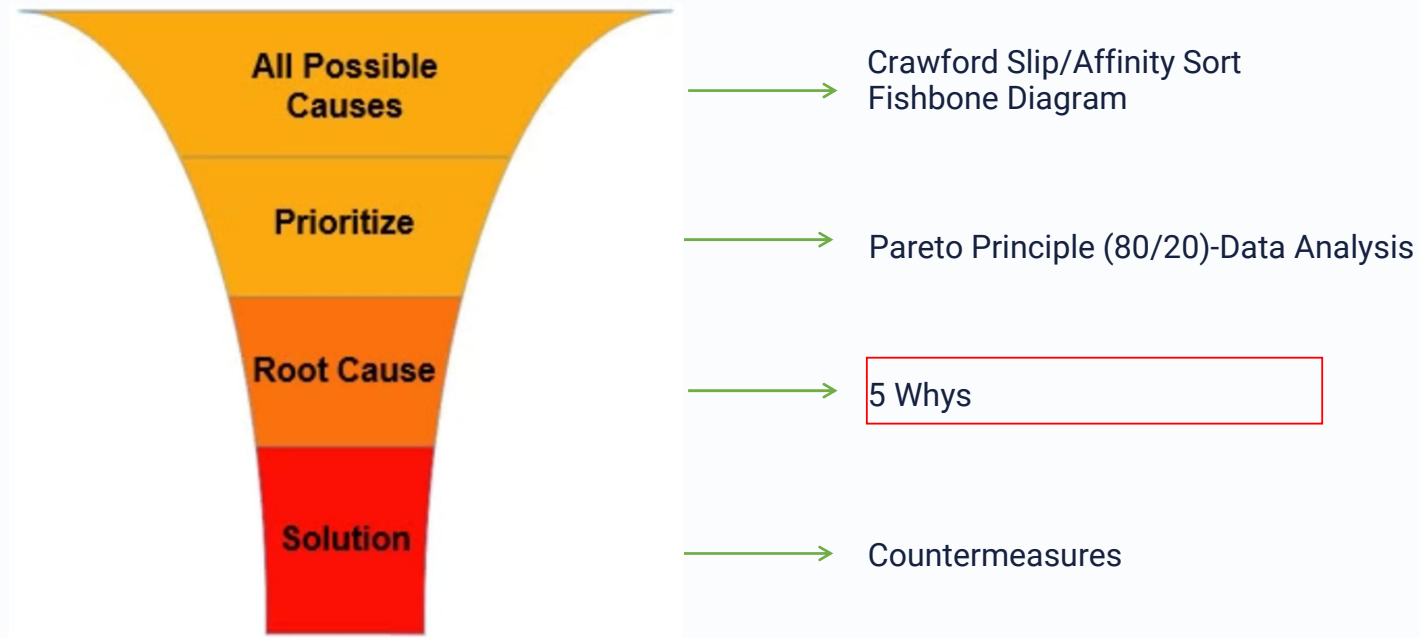
"A few causes account for most of the effect."



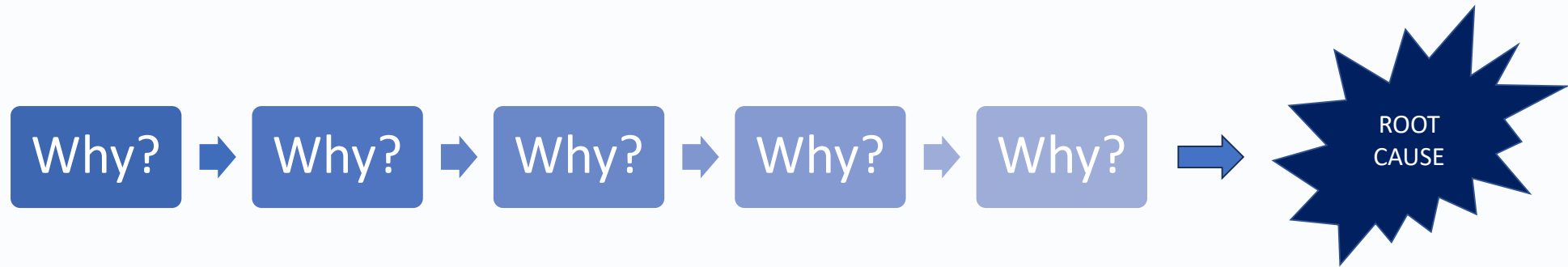
Pareto Principle: Data Analysis



Getting to the Solution



5 Whys



5 Whys: Example



5 Whys in Practice: Example

Problem Statement

“Mod Mode is an online fashion retailer. Over the past three months, the company noticed a 40% decrease in its website traffic.”



What do you think the cause might be?

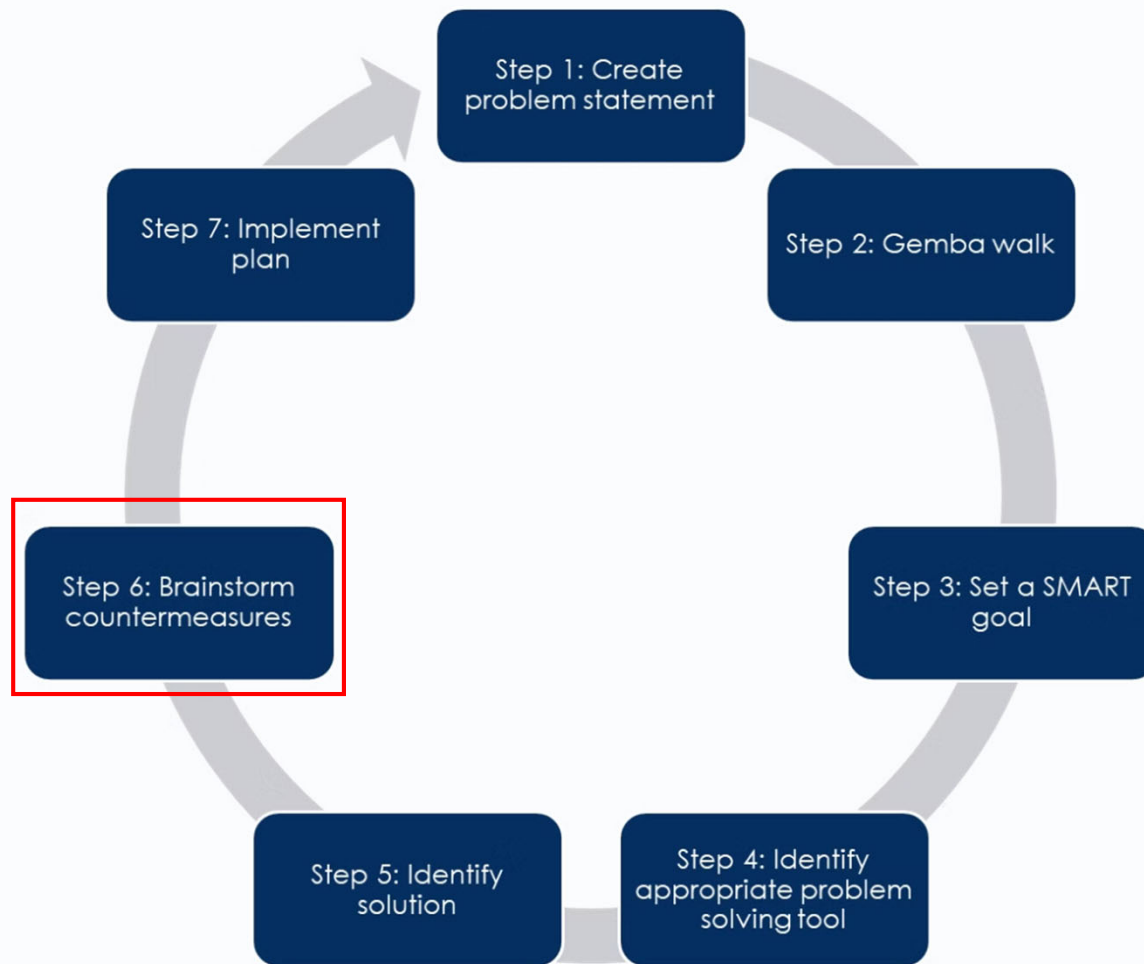
5 Whys in Practice: Example



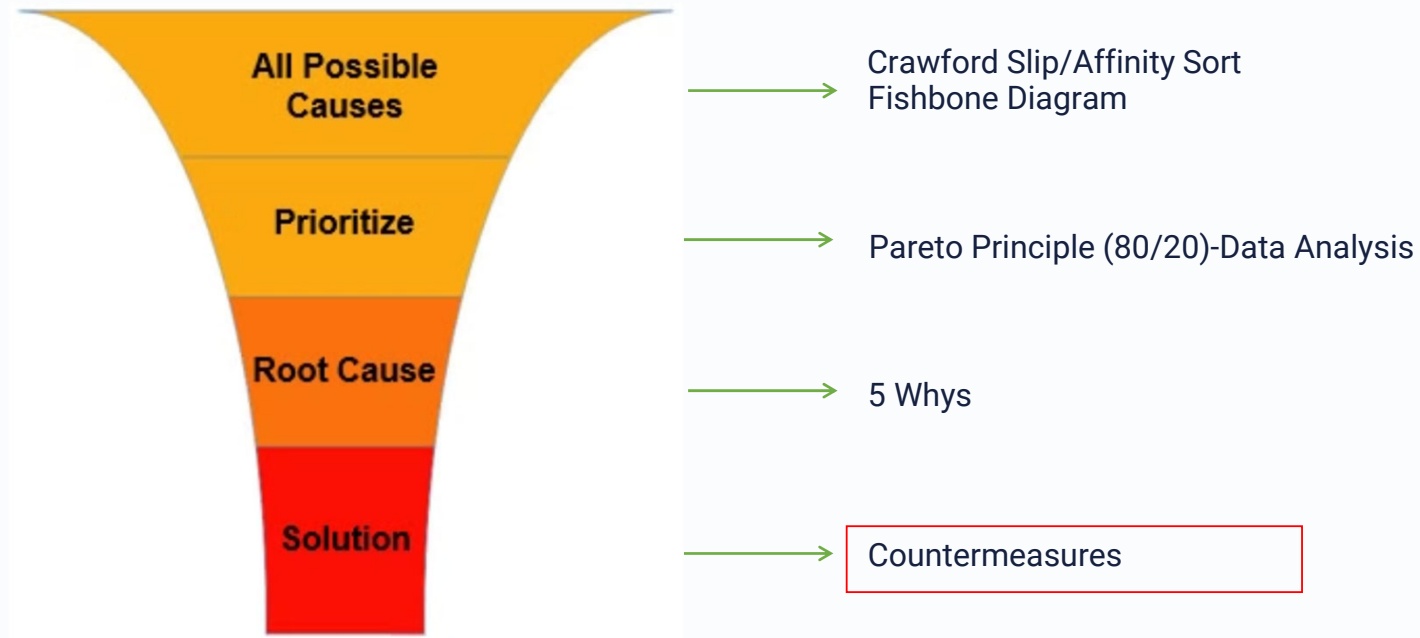


Activity #6

Take a moment to consider the 5
Whys for your problem.



Getting to the Solution



Step 6: Brainstorm Countermeasures (Solutions)



Effective Countermeasures

For the root causes you have selected, brainstorm potential countermeasures:

- Ask people who work in the process
- Ask other areas for what works (BRIGHT SPOTS)
- Gather additional data



Ineffective Approaches

These are not countermeasures to process problems:

- "Hold people accountable"
- "Follow up with individual"
- "Hang up a sign"
- "Remind people not to do that"
- "Send out an email reminder"
- "More education"
- "Retrain everyone"
- "Raise awareness"

Countermeasures Example

Problem Statement

“Mod Mode is an online fashion retailer. Over the past three months, the company noticed a 40% decrease in its website traffic.”

SMART Goal

“Increase website traffic by 40% in three months (February 1st to April 30th).”

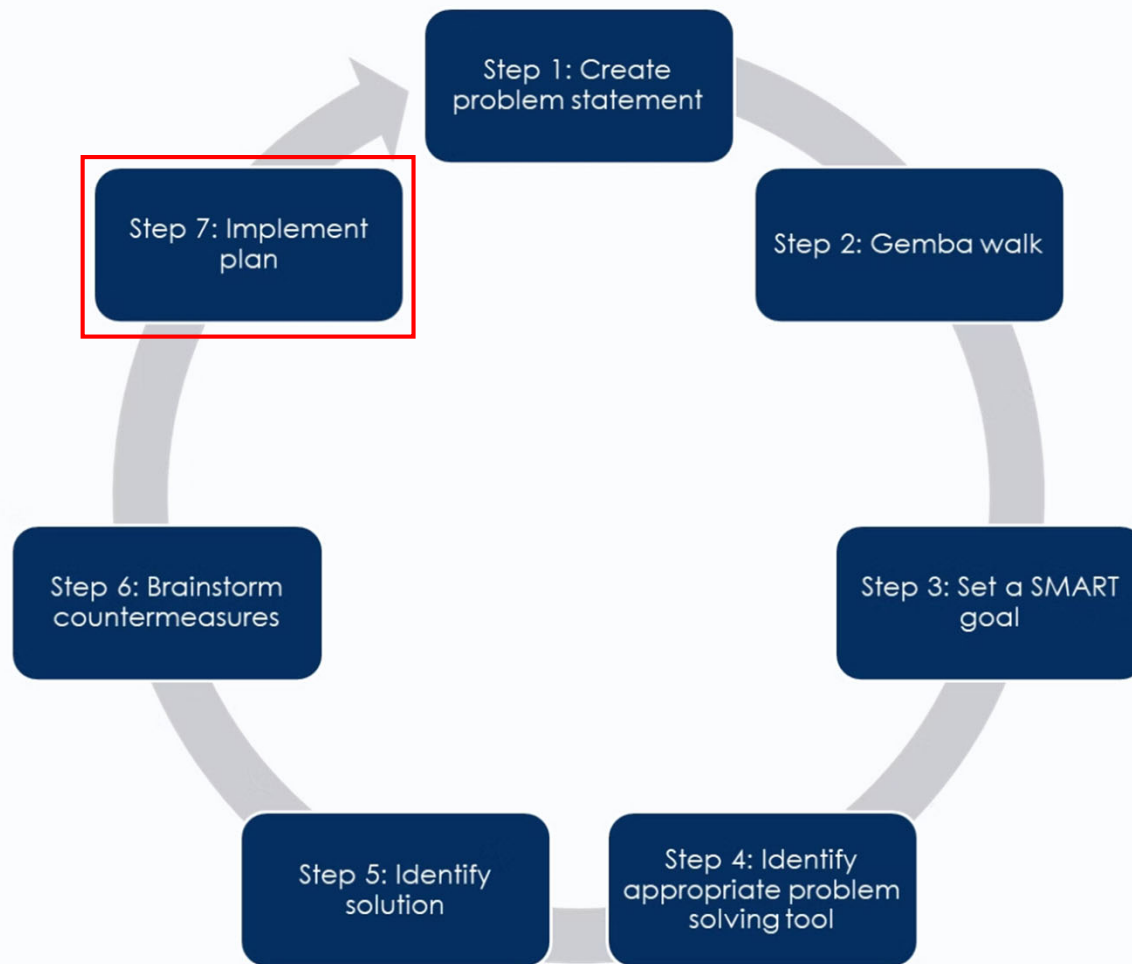
Countermeasures

- 1. Create master list of services**
- 2. Assign maintenance of master list to position/role**
- 3. Include this as part of onboarding for that position/role**
- 4. Create calendar tickler to check credit card expiration date**



Activity #7

Take a moment to brainstorm countermeasures for your identified problem.



Step 7: Implementation Plan



Training



Monitoring



Sharing Results

Training

- Who needs to receive training?
- What do they need to know?
- What questions and concerns might they have?
- What communication methods will be used?



Monitoring

- What do we need to check?
- How frequently do we check?
- Who will check?
- What do we do with the information?



Sharing Results

- Make results visual
- Did we win or lose today?
- If we lost, why?
- How can we improve?

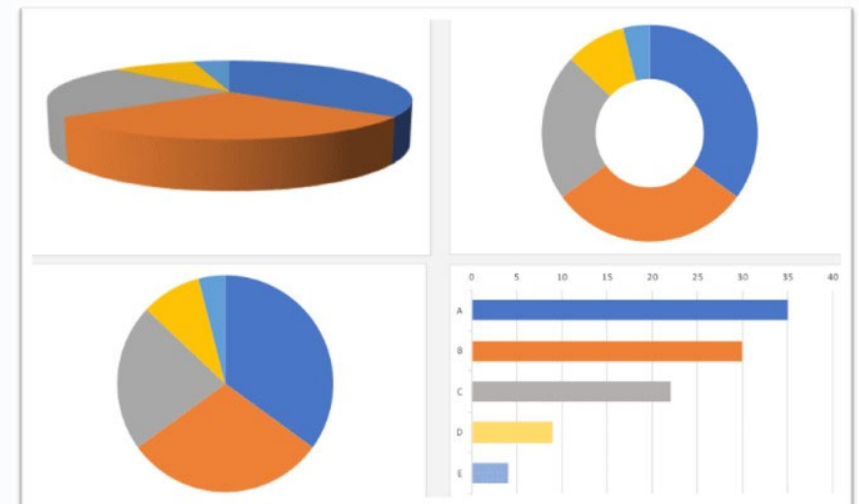


Result Sharing: Examples



Key Performance Indicators	Sep	Oct	Nov	Dec
Overall Project Performance	●	●	●	●
Stakeholder Involvement	●	●	●	●
Project Schedule	●	●	●	●
Project Budget	●	●	●	●
Project Scope	●	●	●	●
Resource Availability	●	●	●	●
Anticipated Quality	●	●	●	●

Overall	Schedule (time)	COGS vs budget	Specs (URS)	Staffing/ Resources	Supply/ Assy (logistics)
○	●	●	○	○	○
●	○	○	○	○	○
○	○	○	●	●	●



Result Sharing: The Importance of Data

Data as a Storyteller

Numbers paint a clear picture of progress

Data as a Motivator

Visuals inspire action and accountability

Data as a Guide

Insights lead to informed decision-making and continuous improvement.

Celebrating Wins and Learning from Losses

Recognize Success

Acknowledge achievements and celebrate milestones

Embrace Feedback

Analyze setbacks to identify areas for improvement

Adapt and Adjust

Continuously refine strategies based on data and insights



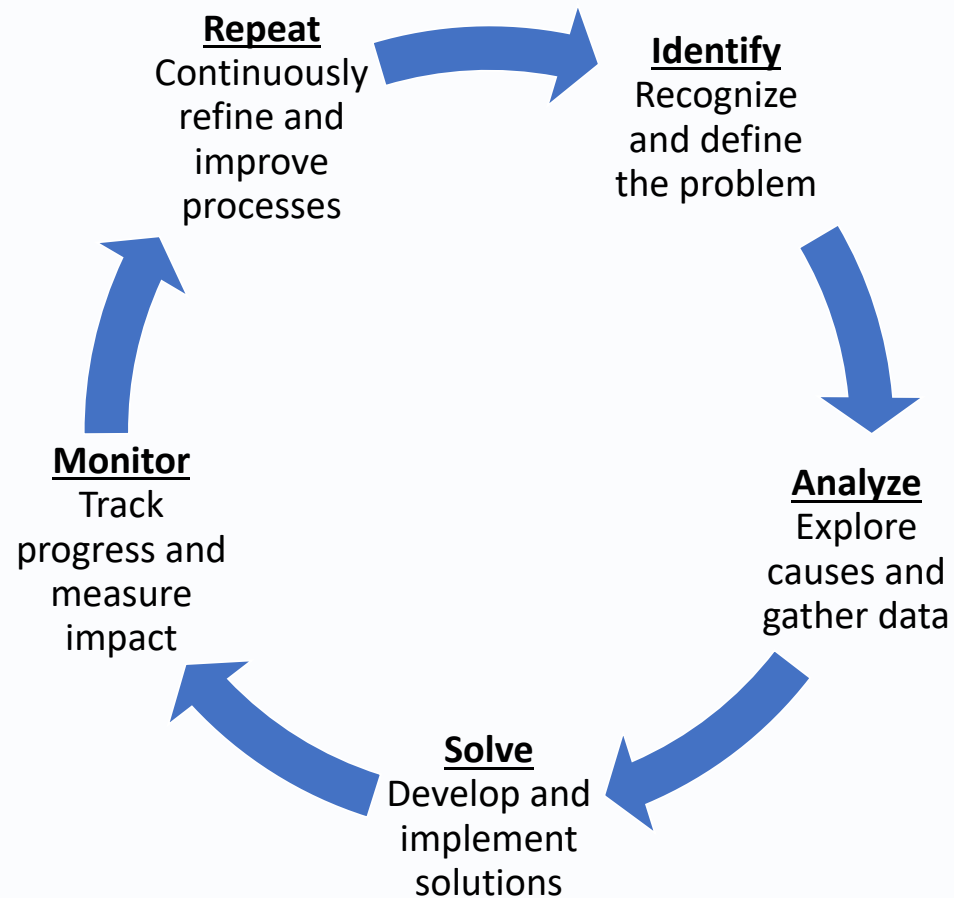


Activity #8

Consider your identified problem, what might your implementation plan look like?

Consider the 3 categories of training, monitoring, and result sharing when creating your implementation plan.

Problem Solving: A Continuous Journey



Questions?

Contact

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Director of Quality

Email: Ingrid.Black@optum.com



Session Evaluation

A Systematic Approach to Problem
Solving

