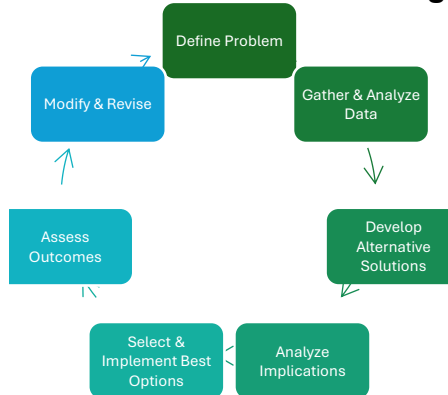


This Topic and Why

Court leaders continually face the need to solve problems. This series shares different problem-solving techniques. Models build from the traditional problem-solving pattern as depicted to the right and offer different approaches, and maybe inspiration, to use a process to resolve issues.

This issue offers a technique of problem-solving using skills of data scientists.

Traditional Problem Solving



Focus in This Issue:

Data Science Skills

The Concept in Practice:





Data science skills and competencies ensure the use of information, details, and measures. "Leading with data" invites skills in a variety of ways.

This process involves good communication skills, comfort with data, and embracing the big picture view. This practice also entails regular information gathering, updates, and collaboration.

What are the important skills needed for comfort with data and data science?

- ❖ Communicator
- ❖ Inquisitive
- ❖ Problem solver
- ❖ Critical thinker
- ❖ Visualizer
- ❖ Detail orientation
- ❖ Broad perspective view
- ❖ Resilient

Four Step Checklist for Problem Solving with Data Science

1. PROBLEM SPOTTING See the real issue	<ul style="list-style-type: none"> Determine the root of the problem Use data to gain insights Employ additional data to add value 	
2. PROBLEM SCOPING Gain clarity and specificity	<ul style="list-style-type: none"> Gain clarity on the problem scope Assess the nature of the problem Identify measures to define what success will look like Talk through the problem 	
3. PROBLEM SHEPHERDING Get updates and gather feedback	<ul style="list-style-type: none"> Promote broad information sharing and input Utilize preliminary results for review and assessment Consider sequential updates to reveal possible solutions 	
4. SOLUTION TRANSLATING Speak appropriate language	<ul style="list-style-type: none"> Deliver information and solutions that are understandable Share and translate with brevity Convey information to highlight solution elements 	

Tips

- If you are not comfortable with data, engage a helper or someone skilled in the use of metrics and performance information
- Make data a priority, and continually infuse data into all practices
- Remember to translate data into understandable information

Contact:

www.courtleader.net
jcornellaz@cox.net
[linkedin.com/in/janet-g-cornell-consultant/](https://www.linkedin.com/in/janet-g-cornell-consultant/)

Revised 2/19/25

Resources

4 Skills the Next Generation of Data Scientists Need to Develop, Joel Shapiro, 9/8/23, LinkedIn

9 Skills Every Business Analytics Professional Needs, <https://analytics.hbs.edu/admissions/top-business-analytics-skills/>