



TAIS 201

Training

Welcome: Data Analysis

Welcome to the data analysis module. Data analysis is a powerful tool that can drive school improvement. This module offers guidance in analyzing data, creating problem statements, and preparing for a needs assessment.

Outcomes

- Participants will catalogue their campus-level data according to each CSF
- Participants will create a data collection pyramid in order to monitor important data sources throughout the year, giving multiple opportunities to adjust their plans
- Participants will create problem statements in preparation for conducting a needs assessment

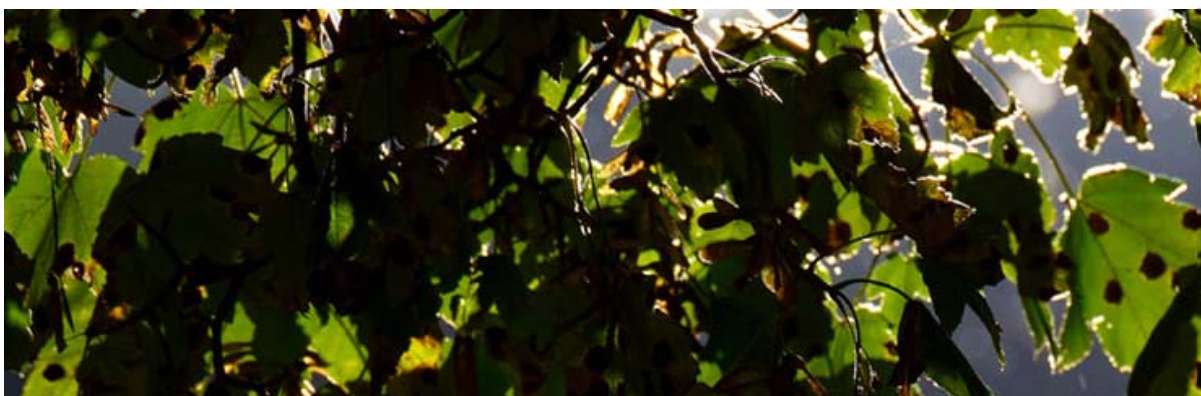




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Identify the Problem

Imagine you notice a problem with a tree in your backyard. Circular black dots have appeared on the leaves on the tree.

Your neighbor recommends spraying a topical solution on the leaves to treat the spots. You have some doubts that this approach will guarantee the overall health of your tree.

The data you have collected about the leaves is a good starting point that alerts you to a problem. What other data could you collect to paint a comprehensive picture of your tree's health?



Please view all the slides by clicking the buttons at the bottom or hover in the box and use the left and right arrows.



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Have a Holistic View

We know that tree leaves do not exist in isolation. The leaves are connected to the with the PH level and the nutrients in the soil. The leaves could also be affected by of sunlight and rainfall, and all the animals that live in the ecosystem.

We must collect data on all the tree's systems then look at some patterns and tren happening with our tree. The initial red flag of the spots on the leaves is not enou to formulate a sustainable solution.

The problem with our tree teaches us the value of taking a holistic approach to da



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School Success

Like an ecosystem in nature, a school campus is an extremely diverse and complex example with our tree, problems in our school's data must be examined within the context that impact student success.

STAAR data may indicate an area of low-performance but the problem does not exist in isolation. Factors interacting with each other to produce this problem. If we only address the symptom, the problem may manifest itself in other ways. We must first analyze patterns and trends before moving to a needs assessment which will give insight into the root cause.

Next you will watch a video that introduces an activity to help you analyze all of the



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Holistic Data Analysis

We are going to watch a video to learn about the:

- Critical Success Factors
- The Data Coach's Guide to Improving Learning for All Students
- The steps of data analysis work.





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Problem Statement Examples

Read the problem statement below and determine what elements of the problem statement checklist are included in the problem statement. Check your answers by dragging the problem statement checklist items into the Yes or No boxes.

Problem Statement 1

ELLs have a 50% pass rate in reading due to a lack of parental involvement

Yes

Has relevance to our campus
Includes specific details (who, what, when, where)
Uses concise language

No

Substantiated by facts/data
Focuses on a single, manageable issue
Written objectively
Avoids causation or assigning solutions





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Problem Statement Examples

Read the problem statement below and determine what elements of the problem statement checklist are included in the problem statement. Check your answers by dragging the problem statement checklist items into the Yes or No boxes.

Problem Statement 2

The average daily attendance at Example High School was at 93% for the 2015-2016 school year.

Yes

- Substantiated by facts/data
- Uses concise language
- Written objectively
- Has relevance to our campus
- Avoids causation or assigning solutions
- Focuses on a single, manageable issue
- Includes specific details (who, what, when, where)

No





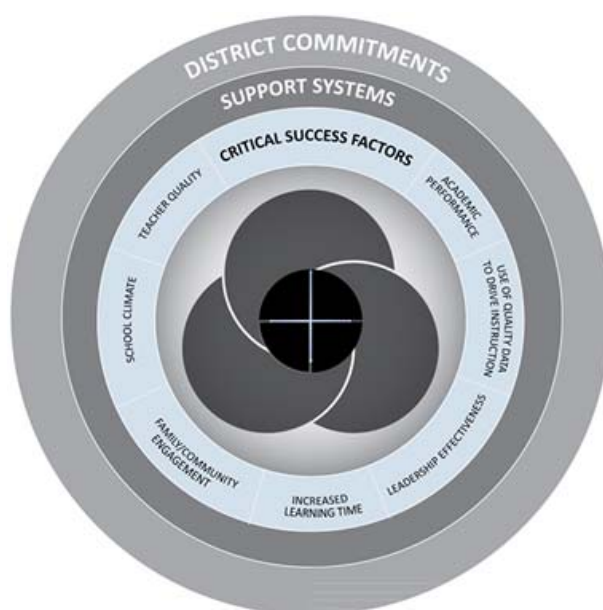
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CSF Group Activity

Directions

1. Using the CSF Graphic Organizer, complete a data collection pyramid for each CSF.
2. Note any problematic pieces of data that appeared in more than one CSF.
3. Note where more data will need to be collected in order to monitor the "health" of each given CSF throughout the year.



Materials

1. [CSF Graphic Organizer](#)

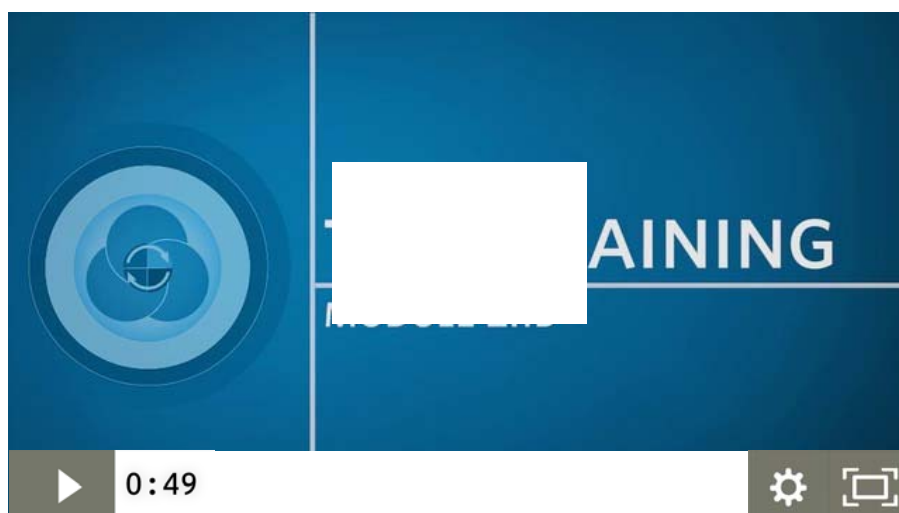
This tool will help catalogue and organize the campus-level data sources to be monitored throughout the year. Roughly 2 hours should be allotted for this activity, however it could take more/less time depending on the needs of the campus.



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Problem Statements



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the criteria remain
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exploring what the
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requirement to develop a
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2-3 problem statements.

- Substantiated by facts/data
- Written objectively
- Uses concise language
- Includes specific details (who, what, when, where)
- Focuses on a single, manageable issue
- Has relevance to our campus
- Avoids causation or assigning solutions



[Problem Statement Checklist Download](#)



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Training Problem Statement Activity

Directions

1. Create a problem statement.
2. Verify problem statement against the Problem Statement Checklist



Materials

1. [Problem Statement Checklist](#)
[Download](#)

With your PSP, take some time to look carefully at the data sources you have recorded to help begin crafting a problem statement.



Problem Statement Checklist

- Substantiated by facts/data
- Written objectively
- Uses concise language
- Includes specific details (who, what,

when, where)

- Focuses on a single, manageable issue
- Has relevance to our campus
- Avoids causation or assigning solutions



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You Are Finished!

Thank you for completing the "Plan Evaluation" and "Data Analysis" Modules! Now that you have drafted your problem statements you are ready to begin a needs assessment. Please continue to TAIS 201 Module 2.2.



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TAIS 201 COMPLETION FORM

This form is intended to be filled out by the PSP indicating who has completed the course. This form needs to be completed for each module (i.e. 2.1, 2.2, and

Indicate which module your team finished

Complete the PSP information

PSP First Name

PSP Last Name

Please select the District and School that completed the module.

District

School