




**Assessment Data:  
Do I Have to Be an Expert?**

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## Defining an “Expert”

<sup>1</sup> **expert** 

*adjective* | ex·pert | \ˈek-ˌspɜrt, ik-ˈ\

**Simple Definition of EXPERT** Popularity: Top 30% of words

: having or showing special skill or knowledge because of what you have been taught or what you have experienced



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## Experts

- Chocolatier
- Sommelier
- Grammarian
- Vexillologist
- Cicerone



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## Experts

**Expert**



**Not an Expert**



**Can  
You  
Spot the  
Difference?**

- Chocolatier = An expert in chocolate
- Sommelier = An expert in wine
- Grammarian = An expert in grammar
- Vexillologist = An expert in flags
- Cicerone = An expert in beer



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## When Can Someone Be Called an Expert?

*It may take up to 10,000  
hours of practicing a skill to  
predict future success.*

-Malcolm Gladwell  
Writer/Author



**SAY WHAT?**



# Assessment Data: Do I Have to Be An Expert?



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## Understanding the Data

- Do you have a score or only a pass/fail indication?
- Are sub scores available?
- Do you have competency-level scores?
- Are academic breakdowns provided?
- Do you have comparison scores? (e.g., pre-tests and post-tests?)
- Is classroom level data available?
- Do you have a cut score comparison?
- Is comparative data provided?

**DO YOU HAVE  
WHAT IT TAKES?**



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## What is Available?

### NOCTI's Standard Score Reporting Package:

- Individual Score Reports
- Group Score Reports
- Comparative Data
- Competency Reports

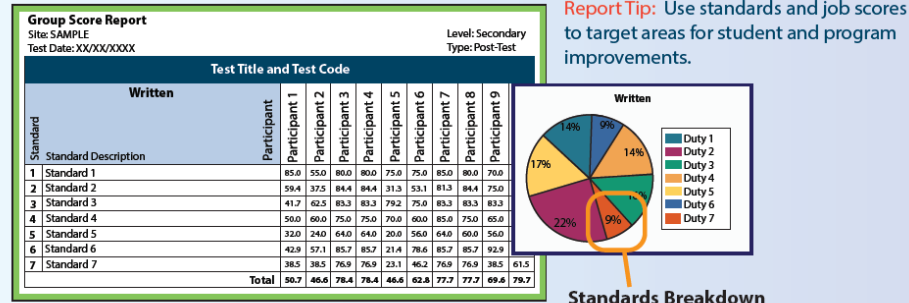


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## Understanding the Data

### Group Score Report Sample

View scoring data for a test group in a single report. Student scores for standards and performance jobs are provided as well as a total score.



**Note:** The standards are weighted and this results in a weighted total score.

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# Understanding the Data

## Analysis of Scores Sample

### Analysis of Scores Report Sample

The Analysis of Scores Report provides useful comparative data for making preliminary conclusions about the assessment results. Group, site, state, and national averages are included for each standard and performance job as well as the overall assessment.

**Report Tip:** Group averages can be compared to the site, state, and national averages to identify program strength and gap areas.

**Comparative Data**

Analysis of Scores									
Site: Sample Site					Level: Secondary				
Test Date: XX/XX/XXXX					Type: Post-Test				
Test Title and Test Code									
Written									
Standard	Standard Description	N=	Group	Site (Cumulative)	State	Nation	Comparison-Reference Score	Standard Deviation	Standard Error of Measurement
	1 Standard 1		10	25	339	1094			
			76.0	68.6	63.4	70.2		13.9	4.4
	2 Standard 2		67.2	61.0	61.1	68.3		15.3	4.8
	3 Standard 3		77.1	75.5	71.9	70.3		16.1	5.1
	4 Standard 4		69.5	65.0	63.0	65.0		17.7	5.6
	5 Standard 5		51.2	52.5	54.5	53.0		13.7	4.3
	6 Standard 6		72.1	71.1	72.5	71.3		17.0	5.4
	7 Standard 7		53.1	56.6	56.0	57.0		20.7	6.5
				64.8	64.1	62.9	69.7	55.1	11.9

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# Understanding the Data

## Individual Score Report Sample

Individual reports provide scores for each standard and performance job as well as a total score and comparative data. Pre-and post-test scores are provided for participants when applicable.

Individual Scores

Participant Name: Sample Name

Site: Sample Site

Test Date: XX/XX/XXXX

Participant ID: XXXXXXXX

Level: Secondary

Type: Post-Test

Test Title and Test Code

Written

Standard

Standard Description

Pre-Test

Post-Test

% Change

Group

Site (Cumulative)

State

Nation

1 Standard 1

60.0

80.0

20.0

76.0

61.7

63.4

70.2

2 Standard 2

28.1

84.4

56.3

67.2

57.3

61.1

68.3

3 Standard 3

16.7

83.3

66.6

77.1

67.5

71.9

70.3

4 Standard 4

40.0

75.0

35.0

69.5

60.9

63.0

65.0

5 Standard 5

40.0

64.0

24.0

51.2

47.7

54.5

53.0

6 Standard 6

42.9

85.7

42.8

72.1

65.6

72.5

71.3

7 Standard 7

23.1

76.9

53.8

53.1

52.0

56.0

57.0

Total

35.1

78.4

43.3

66.8

58.7

62.9

69.7

Scores By Standard

**Track Student Gains**

**Report Tip:** Share with students and their parents and consider including in student portfolios!

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# Understanding the Data

## Competency Report Sample

Still need more data? Competency Reports provide information and scoring data about the various competencies and jobs within each NOCTI credential.

**Competency Report**  
 Site: Sample Site  
 Test Date: 00/00/XXXX

Level: Secondary  
 Type: Post-Test

Standard	Competency Description	Average # Items Correct Possible Per Comp. Group	Participant 1	Participant 2	Participant 3	Participant 4
Sample Standard	1 Sample Competency	5 4.0	4	5	4	5
	2 Sample Competency	4 3.4	3	2	4	3
	3 Sample Competency	4 3.6	3	4	4	3
	4 Sample Competency	6 4.8	4	4	6	5
	5 Sample Competency	4 3.4	3	4	3	4
	6 Sample Competency	3 2.4	2	3	2	2
	7 Sample Competency	4 3.2	4	4	2	2

Competencies

For the multiple-choice assessments, Competency Reports provide:

- Number of items possible for each competency
- Average correct items by group
- Number of correct items by student

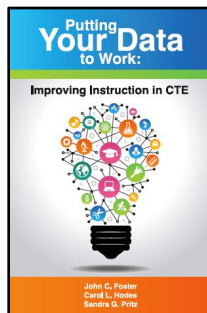
For the performance assessments, Competency Reports provide:

- Number of points possible for each job
- Average points earned by group
- Number of points awarded by student

**Report Tip:** Review competency data to pinpoint areas where students may be struggling. Can be helpful in identifying possible gaps in the curriculum.

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## Additional Resources



**CTEDDI**  
 Career and Technical Educators  
 Using a Data Driven Improvement Model



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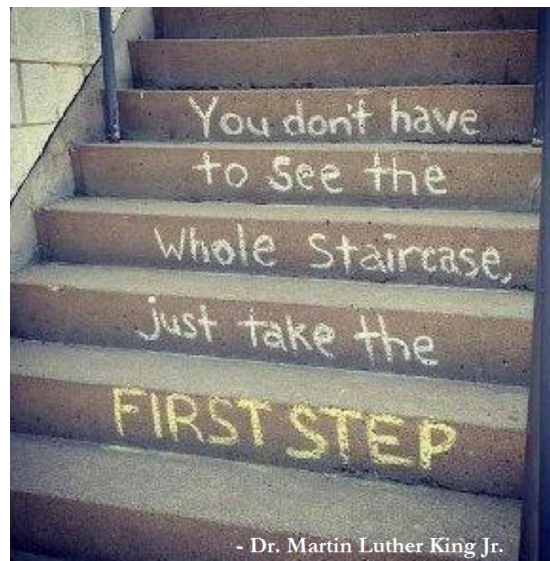


## How Do You Become an “Expert”?



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## Closing Thoughts



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## Questions?



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