Getting Summary Score Information from the Assessments

For these exercises, you'll access results for 4 different sets of State Assessment results. They are:

1. ELA 4 Scores
2. ELA 8 Scores
3. Math 4 Scores
4. Math 8 Scores

For each of the exams, you'll display the following:

1. Average Percentage breakdown by Level (1 through 4) for all years for your school

2. Comparison of Percentage breakdowns by Level for each individual year for your school

3. Comparison of percentage breakdowns by Level for Regular Education and Special Education

   - Counts of Regular Education and Special Education students at each Level

4. Regional comparison of percentage breakdowns by Level

5. Average SPI (Standard Performance Indicator) for your school for each of the Standards (ELA) or Key Ideas (Math)
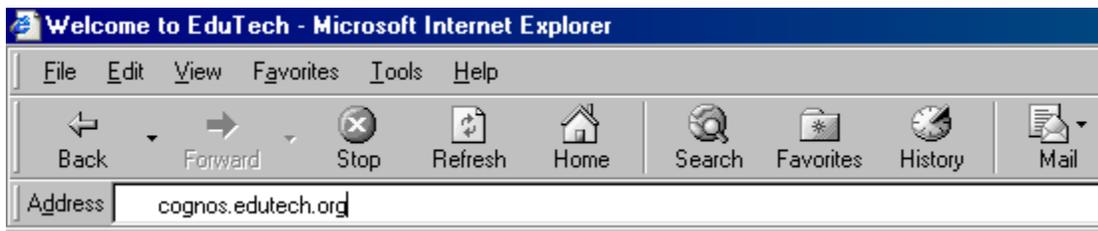
For demonstration purposes, we'll use Batavia City Schools in our examples.

Accessing Cognos

1. Open Internet Explorer (or Netscape Communicator)
2. In the Address bar type the following (figure 1):
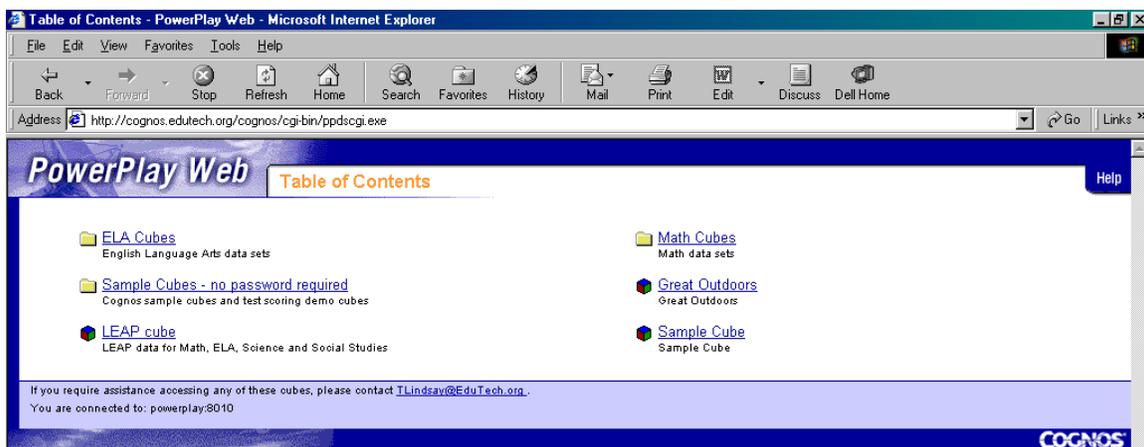
    Cognos.edutech.org

    Note: You **don't** need to include "WWW" as part of the address

Figure 1

3. Press the **Enter** key
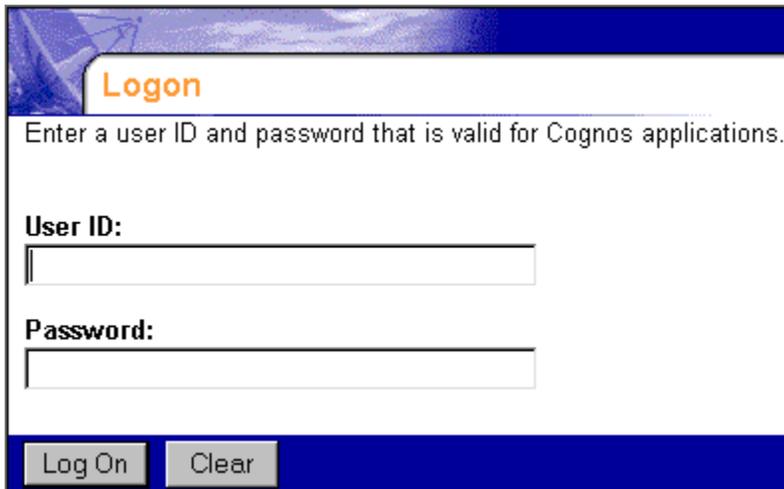4. You will go to the main Cognos PowerPlay page (figure 2)

Figure 2

Logging in to a Cube

In this example, we'll log into the **ELA 4 Scores** cube

1. From the main Cognos PowerPlay page, click the **ELA Cubes** link
2. Click the **ELA 4 Scores** link. You'll be asked to Log In (figure 3).

Logon

Enter a user ID and password that is valid for Cognos applications.

User ID:

Password:

Log On   Clear

Figure 3

3. When prompted for a **User ID** and **Password**, enter your user account name and your password
4. Click the **Log On** button
5. If you receive the message "Your user ID or password is incorrect. Please try again." You've entered incorrect information. Reenter your user ID and password.
6. After you've logged in successfully, you'll see the ELA 4 Scores Cube

Getting the ELA 4 Results

To get the ELA 4 results needed for the presentation, access the **ELA 4 Scores** data. After logging in, you will see the following page:

PowerPlay Web Explorer		ELA 4 Scores	
All Score Types ▾ · All Districts ▾ · All School Years ▾ · All Genders ▾ · All Ethnicities ▾ · All Mobilities ▾ · All Education Ty			
All Performance Levels ▾ · All Settings ▾ · All Test Status ▾			
Number of Students ▾ / as values ▾	▽ Genesee Valley BOCES	▽ Wayne-Finger Lakes BOCES	▽ All Districts ▾ +
ELA Total Scaled Score	3,997	6,873	10,870
NYS Reading Scaled Score	3,997	6,873	10,870
Standard Performance Indicators (SPI)	3,997	6,873	10,870
All Score Types ▾ +	3,997	6,873	10,870

Figure 4

Exercise # 1: Average Percentage breakdown by Level (1 through 4) for all years for your school

1. From the initial view (figure 4), click the BOCES to which your school belongs. Data for all of the schools within that BOCES are displayed (figure 5). Remember, we're using Batavia City Schools which is in the Genesee Valley BOCES and in Genesee County.

Number of Students ▾ / as values ▾	▽ Alexander Central School	▽ Attica Central School	▽ Avon Central School	▽ Batavia City Schools	▽ Byron-Bergen Central School	▽ Caledonia-Mumford Central	▽ Dalton-Nunda Central School	▽ Dansville Central School	▽ Elba Central School
ELA Total Scaled Score	175	278	168	417	234	178	144	263	97
NYS Reading Scaled Score	175	278	168	417	234	178	144	263	97
Standard Performance Indicators (SPI)	175	278	168	417	234	178	144	263	97
All Score Types ▾ +	175	278	168	417	234	178	144	263	97

Figure 5

2. Place the mouse pointer over any of the school names without clicking. A "Fly-out" menu will appear. Place the mouse pointer over the word **Action**. Your screen should now look like figure 6.

Figure 6

3. Choose **Hide/Show Columns** from the fly-out menu. You'll see a form similar to figure 7.
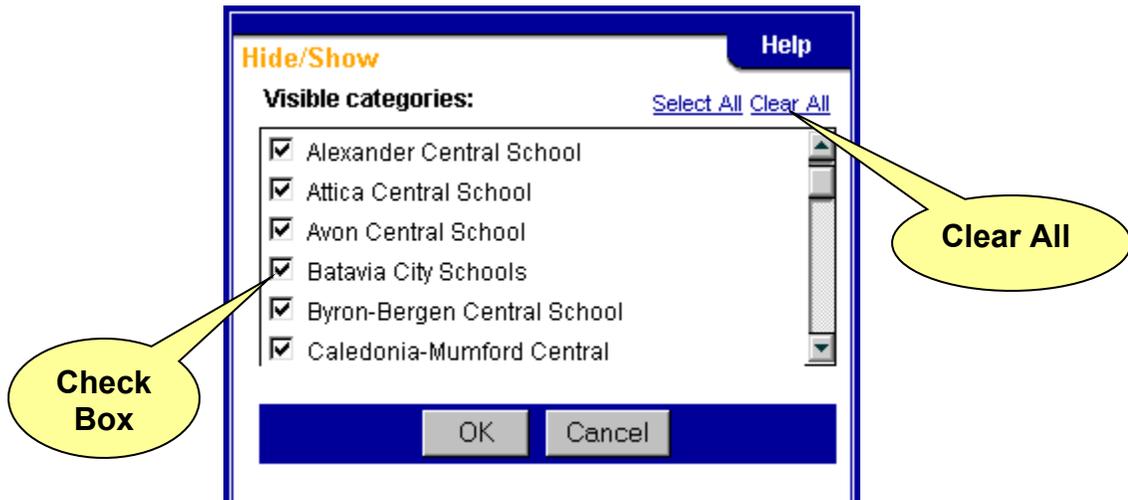

Figure 7

4. Click **Clear All**. The check box to the left of every school name will be cleared.
5. Click the check box to the left of your school name. You may need to scroll down to your school.
6. Click the **OK** button. Your results will look similar to figure 8.

Figure 8

7. Click the **ELA Total Scaled Score** link. Your results should look like figure 9.

Number of Students / as values	▽ Batavia City Schools	▽ Genesee Valley BOCES +
ELA - Level 4 (692-800)	58	477
A - Level 3 (645-691)	202	2,039
LA - Level 2 (603-644)	142	1,317
ELA - Level 1 (450-602)	14	149
o Score	2	20
Scaled Score +	417	3,997

Measure Type Pulldown

Figure 9

8. Select **as % of column total** from the **Measure Type Pulldown**. Your results should look like figure 10.

ELA 4 Average Percentage Breakdown by Level

Number of Students / as % of column total	▽ Batavia City Schools	▽ Genesee Valley BOCES +
ELA - Level 4 (692-800)	13.91%	11.93%
ELA - Level 3 (645-691)	48.44%	51.01%
ELA - Level 2 (603-644)	34.05%	32.95%
ELA - Level 1 (450-602)	3.36%	3.73%
ELA - No Score	0.48%	0.50%
ELA Total Scaled Score +	100.00%	100.00%

Figure 10

Exercise # 2: Comparison of Percentage breakdowns by Level for each individual year for your school

Your starting point for this exercise is the Exercise #1 results (figure 14).

Number of Students as % of column total	Batavia City Schools ▽	Genesee Valley BOCES ▽ +
ELA - Level 4 (692-800)	13.91%	11.93%
ELA - Level 3 (645-691)	48.44%	51.01%
ELA - Level 2 (603-644)	34.05%	32.95%
ELA - Level 1 (450-602)	3.36%	
ELA - No Score	0.48%	
ELA Total Scaled Score +		100.00%

Column Nesting button
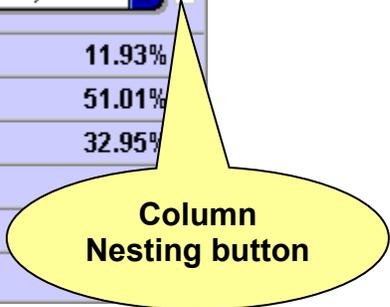
Figure 14

1. Place your mouse cursor (without clicking) over the **Column Nesting** button to the right of your BOCES name. A fly-out menu will appear (figure 15).

Number of Students as % of column total	Batavia City Schools ▽	Genesee Valley BOCES ▽ +	
ELA - Level 4 (692-800)	13.91%	11.93%	[+] ELA Total Scaled Score
ELA - Level 3 (645-691)	48.44%	51.01%	[+] Genesee Valley BOCES
ELA - Level 2 (603-644)	34.05%	32.95%	[+] All School Years
ELA - Level 1 (450-602)	3.36%	3.73%	[+] All Genders
ELA - No Score	0.48%	0.50%	[+] All Ethnicities
ELA Total Scaled Score +	100.00	100.00%	[+] All Mobilities
			[+] All Education Types
			[+] All Integration Levels
			[+] All LEP Status
			[+] All Performance Levels
			[+] All Settings
			[+] All Test Status
			[+] MEASURES

[+] All School Years

Figure 15

9. Click the **[+] All School Years** link. Your results should look like figure 16.

ELA 4 Percentage Breakdowns by Level for each Year

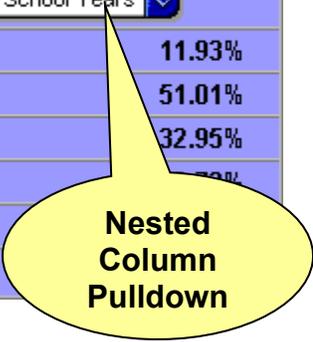| Number of Students / as % of column total	Batavia City Schools			Genesee Valley BOCES
	1999	2000	All School Years	All School Years
ELA - Level 4 (692-800)	5.36%	23.71%	13.91%	11.93%
ELA - Level 3 (645-691)	46.43%	50.52%	48.44%	51.01%
ELA - Level 2 (603-644)	41.96%	24.74%	34.05%	32.95%
ELA - Level 1 (450-602)	5.36%	1.03%	3.36%	3.73%
ELA - No Score	0.89%	0.00%	0.48%	0.50%
ELA Total Scaled Score	100.00%	100.00%	100.00%	100.00%

Figure 16

Exercise # 3: Comparison of percentage breakdowns by Level for Regular Education and Special Education

Your starting point for this exercise is the Exercise #2 results (figure 17).

Number of Students ▾ as % of column total ▾	Batavia City Schools			– Genesee Valley BOCES ▾ +
	▽ 1999	▽ 2000	▽ All School Years	▽ – All School Years ▾
ELA - Level 4 (692-800)	5.36%	23.71%	13.91%	11.93%
ELA - Level 3 (645-691)	46.43%	50.52%	48.44%	51.01%
ELA - Level 2 (603-644)	41.96%	24.74%	34.05%	32.95%
ELA - Level 1 (450-602)	5.36%	1.03%	3.36%	
ELA - No Score	0.89%	0.00%	0.48%	
ELA Total Scaled Score ▾ +	100.00%	100.00%	100.00%	

Nested Column Pulldown

Figure 17

1. Click the **Nested Column Pulldown** and select All Education Types (figure 18).

Number of Students ▾ as % of column total ▾	Batavia City Schools			– Genesee Valley BOCES ▾ +
	▽ 1999	▽ 2000	▽ All School Years	▽ – All School Years ▸
ELA - Level 4 (692-800)	5.36%	23.71%	13.91%	**All School Years** ▸
ELA - Level 3 (645-691)	46.43%	50.52%	48.44%	ELA Total Scaled Score
ELA - Level 2 (603-644)	41.96%	24.74%	34.05%	Genesee Valley BOCES
ELA - Level 1 (450-602)	5.36%	1.03%	3.36%	All Genders
ELA - No Score	0.89%	0.00%	0.48%	All Ethnicities
ELA Total Scaled Score ▾ +	100.00%	100.00%	100.00%	All Mobilities
				All Education Types
				All Integration Levels
				All LEP Status
				All Performance Levels
				All Settings
				All Test Status
				MEASURES
				Action ▸

All Education Types

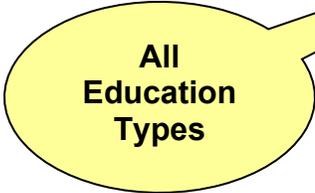**Figure 18**

2. Your results should look like figure 19.

ELA 4 Breakdown of Levels by Education Type

Number of Students / as % of column total	Batavia City Schools			− Genesee Valley BOCES +
	▽ Regular Education	▽ Special Education	▽ All Education Types	− ▽ All Education Types +
ELA - Level 4 (692-800)	15.24%	5.36%	13.91%	11.93%
ELA - Level 3 (645-691)	49.86%	39.29%	48.44%	51.01%
ELA - Level 2 (603-644)	32.69%	42.86%	34.05%	32.95%
ELA - Level 1 (450-602)	1.94%	12.50%	3.36%	3.73%
ELA - No Score	0.28%	1.79%	0.48%	0.50%
ELA Total Scaled Score +	100.00%	100.00%	100.00%	100.00%

Figure 19

To see how Special Education students affect average scores, we need to know the count of Special Education students. Figure 20, our starting point, is the result of exercise 3.

Number of Students / as % of column total	Batavia City Schools			− Genesee Valley BOCES +
	▽ Regular Education	▽ Special Education	▽ All Education Types	− ▽ All Education Types +
ELA - Level 4 (692-800)	15.24%	5.36%	13.91%	11.93%
ELA - Level 3 (645-691)	49.86%	39.29%	48.44%	51.01%
ELA - Level 2 (603-644)	32.69%	42.86%	34.05%	32.95%
ELA - Level 1 (450-602)	1.94%	12.50%	3.36%	3.73%
ELA - No Score	0.28%	1.79%	0.48%	0.50%
ELA Total	100.00%	100.00%	100.00%	100.00%

Measure Type Pulldown

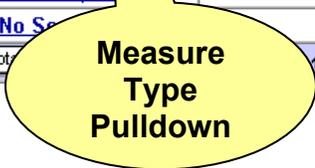**Figure 20**

3. Click the **Measure Type Pulldown** and select "As Values". Your results should look like figure 21.

Number of Students / as values	Batavia City Schools			− Genesee Valley BOCES +
	▽ Regular Education	▽ Special Education	▽ All Education Types	− ▽ All Education Types +
ELA - Level 4 (692-800)	55	3	58	477
ELA - Level 3 (645-691)	180	22	202	2,039
ELA - Level 2 (603-644)	118	24	142	1,317
ELA - Level 1 (450-602)	7	7	14	149
ELA - No Score	1	1	2	20
ELA Total Scaled Score +	361	56	417	3,997

Figure 21

Exercise # 4: Regional comparison of percentage breakdowns by Level

Your starting point for this exercise is the Exercise #3 results (figure 22).

Number of Students ⌄ as values ⌄	Batavia City Schools			– Genesee Valley BOCES ⌄ +
	▽ Regular Education	▽ Special Education	▽ All Education Types	– All Education Types ⌄ +
ELA - Level 4 (692-800)	55	3	58	477
ELA - Level 3 (645-691)	180	22	202	2,039
ELA - Level 2 (603-644)	118	24	142	1,317
ELA - Level 1 (450-602)	7	7	14	149
ELA - No Score	1	1	2	20
ELA Total Scaled Score ⌄ +	361	56		

Delete Column Nesting button

Figure 22

1. Click the **Delete Column Nesting** button. Your results should look like figure 23.

Number of Students ⌄ as values ⌄	▽ Batavia City Schools	▽ Genesee Valley BOCES ⌄ +
ELA - Level 4 (692-800)	58	477
ELA - Level 3 (645-691)	202	2,039
ELA - Level 2 (603-644)	142	317
ELA - Level 1 (450-602)	14	
ELA - No Score	2	
ELA Total Scaled Score ⌄ +	417	

Column Pulldown

Figure 23

2. Click the **Column Pulldown** which currently lists your BOCES name. Place your mouse pointer over the **All Districts** choice, then the **By County** choice, then click your county name. For this example, we're using **Genesee** (figure 24).

Number of Students ⌄ as values ⌄	▽ Batavia City Schools	▽ Genesee Valley BOCES ⌄ +
ELA - Level 4 (692-800)	58	
ELA - Level 3 (645-691)	202	
ELA - Level 2 (603-644)	142	
ELA - Level 1 (450-602)	14	
ELA - No Score	2	
ELA Total Scaled Score ⌄ +	417	

All Districts ▶ | Genesee Valley BOCES ▶
Genesee Valley BOCES ▶ | Wayne-Finger Lakes BOCES ▶
Wayne-Finger Lakes BOCES ▶ | By County ▶ | Genesee ▶
Down a Level | | Wyoming ▶
ELA Total Scaled Score | | Livingston ▶
All School Years | | Steuben ▶
All Genders | | Ontario ▶
All Ethnicities | | Wayne ▶
All Mobilities | | Yates ▶
All Education Types | | Seneca ▶

Figure 24

Genesee County

- 11 -

3. Your results should look like figure 25.

Figure 25

4. Previously, we hid all schools except for ours. We now need to unhide those columns. Move your mouse pointer over your school name (column header). A fly-out menu will appear. From that menu, choose **Action** and then **Hide/Show Columns** from the next fly-out menu (figure 26).

Figure 26

5. From the form that appears (figure 27) click the **Select All** link. A check mark will appear to the left of each school district in your county. Click the **OK** button.   Your results will look like figure 28.
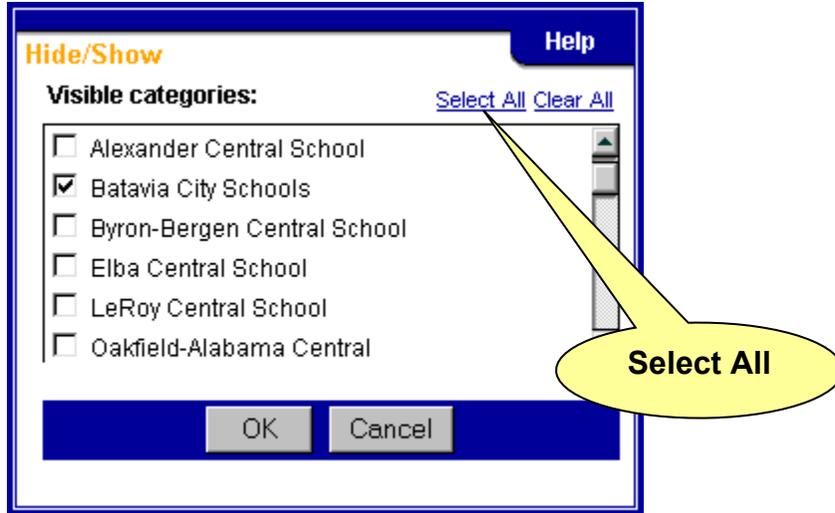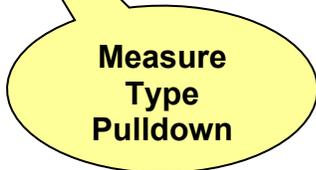

Figure 27

Figure 28

6. From the **Measure Type Pulldown** select as **% of Column Total** your results should look like figure 29.

County comparison of ELA 4 percentage breakdowns by Level

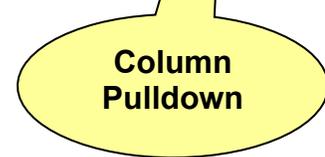| Number of Students ∨ as % of column total ∨	▽ Alexander Central School	▽ Batavia City Schools	▽ Byron-Bergen Central School	▽ Elba Central School	▽ LeRoy Central School	▽ Oakfield-Alabama Central	▽ Pavilion Central School	▽ Pembroke Central School	▽ Genesee ∨ +
ELA - Level 4 (692-800)	17.71%	13.91%	13.25%	19.59%	13.10%	19.30%	10.71%	10.66%	**14.34%**
ELA - Level 3 (645-691)	55.43%	48.44%	56.41%	36.08%	58.95%	52.63%	47.14%	52.28%	**51.81%**
ELA - Level 2 (603-644)	24.00%	34.05%	29.06%	41.24%	26.64%	22.81%	37.14%	34.52%	**30.84%**
ELA - Level 1 (450-602)	2.29%	3.36%	0.85%	3.09%	1.31%	5.26%	5.00%	2.03%	**2.77%**
ELA - No Score	1.14%	0.48%	0.43%	0.00%	0.44%	0.00%	0.71%	0.51%	**0.48%**
ELA Total Scaled Score ∨ +	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Figure 29

Exercise # 5: Average SPI (Standard Performance Indicator) for your school for each of the ELA Standards

Your starting point for this exercise is the Exercise #4 results (figure 30).

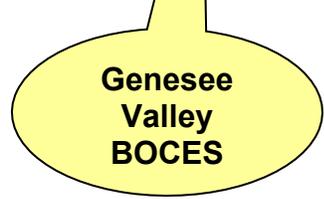| Number of Students / as % of column total	Alexander Central School	Batavia City Schools	Byron-Bergen Central School	Elba Central School	LeRoy Central School	Oakfield-Alabama Central	Pavilion Central School	Pembroke Central School	Genesee
ELA - Level 4 (692-800)	17.71%	13.91%	13.25%	19.59%	13.10%	19.30%	10.71%	10.66%	**14.34%**
ELA - Level 3 (645-691)	55.43%	48.44%	56.41%	36.08%	58.95%	52.63%	47.14%	52.28%	**51.81%**
ELA - Level 2 (603-644)	24.00%	34.05%	29.06%	41.24%	26.64%	22.81%	37.14%	34.52%	**30.84%**
ELA - Level 1 (450-602)	2.29%	3.36%	0.85%	3.09%	1.31%	5.26%	5.00%	2.03%	**2.77%**
ELA - No Score	1.14%	0.48%	0.43%	0.00%	0.44%	0.00%	0.71%	0.51%	**0.48%**
ELA Total Scaled Score	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00	**100.00%**

Figure 30

Column Pulldown

1. Click the **Column Pulldown** and select **by County**
2. Click the **Column Pulldown**, place the mouse pointer over **All Districts**. From the fly-out menu that appears, click your BOCES name. We'll use **Genesee Valley BOCES** (figure 31).

Number of Students / as % of column total	Genesee	Wyoming	Livingston	Steuben	Ontario	Wayne	Yates	Seneca	By County
ELA - Level 4 (692-800)	14.34%	10.48%	10.52%	8.09%	13.24%	8.31%	7.50%	8.22%	
ELA - Level 3 (645-691)	51.81%	50.86%	50.84%	47.43%	50.25%	46.87%	49.09%	47.18%	
ELA - Level 2 (603-644)	30.84%	34.10%	33.90%	38.24%	32.22%	37.23%	38.86%	40.49%	
ELA - Level 1 (450-602)	2.77%	3.81%	4.35%	5.88%	3.73%	7.25%	4.32%	3.65%	
ELA - No Score	0.48%	0.76%	0.39%	0.74%	0.56%	0.54%	0.45%	0.46%	
ELA Total Scaled Score	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

Fly-out menu: All Districts → Genesee Valley BOCES; By County → Wayne Finger Lakes BOCES; Down a Level; By County; ELA Total Scaled Score; All School Years; All Genders; All Ethnicities

Figure 31

Genesee Valley BOCES

3. Your results should look like figure 32.

Number of Students / as % of column total	Alexander Central School	Attica Central School	Avon Central School	Batavia City Schools	Byron-Bergen Central School	Caledonia-Mumford Central	Dalton-Nunda Central School	Dansville Central School	Elba Central School	Geneseo Central School	LeRoy Central School	Livonia Central School
ELA - Level 4 (692-800)	17.71%	14.39%	18.45%	13.91%	13.25%	11.24%	4.86%	10.27%	19.59%	11.18%	13.10%	9.16%
ELA - Level 3 (645-691)	55.43%	54.68%	49.40%	48.44%	56.41%	61.24%	41.67%	41.06%	36.08%	57.89%	58.95%	56.54%
ELA - Level 2 (603-644)	24.00%	26.98%	31.55%	34.05%	29.06%	24.72%	43.06%	43.73%	41.24%	28.29%	26.64%	28.80%
ELA - Level 1 (450-602)	2.29%	3.24%	0.60%	3.36%	0.85%	1.69%	10.42%	4.56%	3.09%	2.63%	1.31%	5.24%
ELA - No Score	1.14%	0.72%	0.00%	0.48%	0.43%	1.12%	0.00%	0.38%	0.00%	0.00%	0.44%	0.26%
ELA Total Scaled Score	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Figure 32

4. Move your mouse pointer over your school name (column header). A fly-out menu will appear. From that menu, choose **Action** and then **Hide/Show Columns** from the next fly-out menu (figure 33).

Figure 33

Hide/Show Columns

5. A form similar to Figure 34 will appear.

Clear All

Check Box

Figure 34

6. Click **Clear All**. The check box to the left of every school name will be cleared.
7. Click the check box to the left of your school name. You may need to scroll down to your school.
8. Click the **OK** button. Your results will look similar to figure 35.

Figure 35

9. From the **Row Pulldown** select **Measures** (figure 36).

Figure 36

10. Your results will look like figure 37.

MEASURES ▾ as % of column total ▾	▽ Batavia City Schools	▽ Genesee Valley BOCES ▾ +
Number of Students	100.00%	**100.00%**
Reading Scaled Score Avg.	159.12%	**16.53%**
ELA Scaled Score Avg.		**16.44%**
SPI Standard 1 Avg.		**2.05%**
SPI Standard 2 Avg.		**1.85%**
SPI Standard 3 Avg.		**1.55%**
Number of Assessments	100.24%	**100.18%**
MEASURES ▾	**NA**	**NA**

Measure Type Pulldown

Figure 37

11. Select **As Values** from the **Measure Type Pulldown**. Your results will look similar to figure 38.

12. Move your mouse pointer over the row **Number of Students**. From the fly-out menu that appears move your mouse pointer to **Actions** and select **Hide/Show Rows** from the next fly-out menu that appears (figure 38)

MEASURES ▾ as values ▾	▽ Batavia City Schools	▽ Genesee Valley BOCES ▾ +
Number of Stu	Number of Students	417	**3,997**
Reading Scale Action ▸	Explain		**661**
ELA Scaled Score Avg.	Insert Calculation...		**657**
SPI Standard 1 Avg.	Hide This Row		**82**
SPI Standard 2 Avg.	Hide/Show Rows...		**74**
SPI Standard 3 Avg.		62	**62**
Number of Assessments		418	**4,004**
MEASURES ▾		**NA**	**NA**

Hide/Show Rows

Figure 38

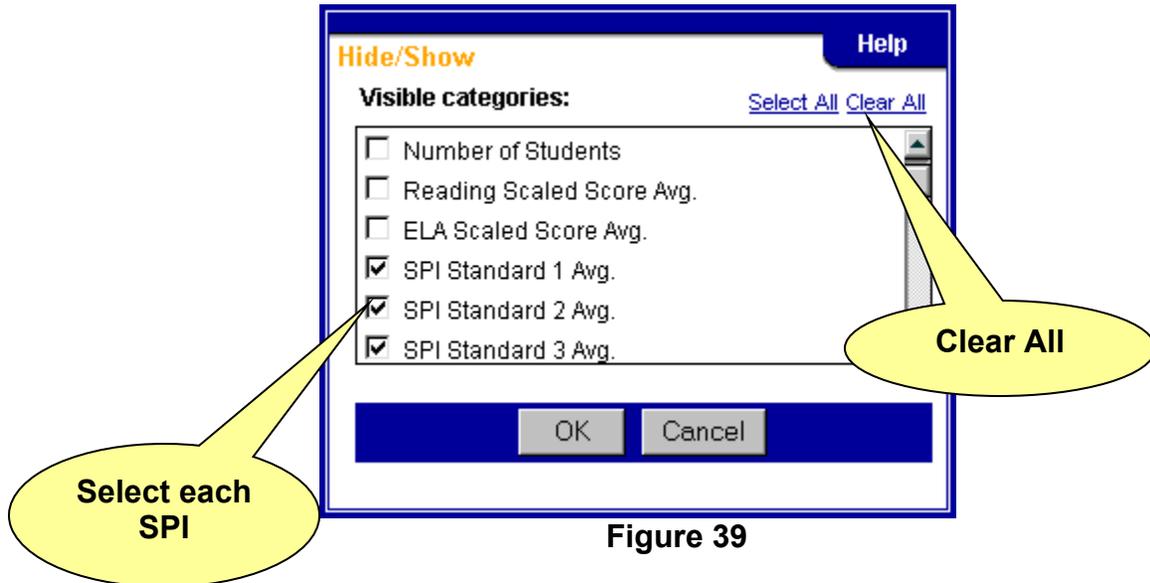13. From the form that appears, click the **Clear All** link and then select the three SPI Standards (figure 39)

Hide/Show   Help

Visible categories: Select All Clear All

- ☐ Number of Students
- ☐ Reading Scaled Score Avg.
- ☐ ELA Scaled Score Avg.
- ☑ SPI Standard 1 Avg.
- ☑ SPI Standard 2 Avg.
- ☑ SPI Standard 3 Avg.

[OK] [Cancel]

Clear All

Select each SPI

Figure 39

14. Click **OK**. Your results should look like figure 40.

MEASURES ˅ / as values ˅	▽ **Batavia City Schools**	▽ Genesee Valley BOCES ˅ +
SPI Standard 1 Avg.	82	82
SPI Standard 2 Avg.	74	74
SPI Standard 3 Avg.	62	62
MEASURES ˅	NA	NA

Figure 40

15. Click the **Swap** button in the toolbar at the bottom of the screen (figure 41). Your results should look like figure 42.

Figure 41

Swap button

Standard Performance Indicator Comparison to BOCES Average

MEASURES ⌄ as values ⌄	▽ SPI Standard 1 Avg.	▽ SPI Standard 2 Avg.	▽ SPI Standard 3 Avg.	▽ MEASURES ⌄
Batavia City Schools	82	74	62	**NA**
Genesee Valley BOCES ⌄ +	**82**	**74**	**62**	**NA**

Figure 42