



# Using Data Analysis Cubes

Modified 09-21-09

Lower Hudson Regional Information Center,  
20089

2008-09 School Year - IBM Cognos Connection - Windows Internet Explorer

http://166.109.4.114/cognos8/cgi-bin/cognos.cgi?b\_action=xts.run&m=portal/cc.xts&cpstarget=FAAAAIWU8GZB

IBM Cognos Connection

2008-09 School Year | 2007-08 School Year | Archive | Verification Reports | EET | Documentation | My Folders

Place your mouse over the yellow folder to view a description of the reports

**ELA Grade 3-8**

- 1. Group/Sub-group (Demographic) Analysis
- 2. Building Benchmark (Curriculum) Analysis
- 3. Student Benchmark (Strength and Weakness) Analysis
- 4. Error/Distracter (Assessment) Analysis
- 5. Change Over Time (Trend) Analysis

**Math Grade 3-8**

- 1. Group/Sub-group (Demographic) Analysis
- 2. Building Benchmark (Curriculum) Analysis
- 3. Student Benchmark (Strength and Weakness) Analysis
- 4. Error/Distracter (Assessment) Analysis
- 5. Change Over Time (Trend) Analysis

**Science Grade 4 and 8**

- 1. Group/Sub-group (Demographic) Analysis
- 2. Building Benchmark (Curriculum) Analysis
- 3. Student Benchmark (Strength and Weakness) Analysis
- 4. Error/Distracter (Assessment) Analysis

**Social Studies Grade 5 and 8**

- 1. Group/Sub-group (Demographic) Analysis
- 2. Building Benchmark (Curriculum) Analysis
- 3. Student Benchmark (Strength and Weakness) Analysis
- 4. Error/Distracter (Assessment) Analysis

**Multi-Subject**

- 1. Student Profile

In the "ELA Grade 3-8" Section, select "5. Changes Over Time (Trend) Analysis"

Done

Internet | Protected Mode: On

2008-09 School Year... DARoadmap0a [Co... Presentation2

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2008-09 School Year - IBM Cognos Connection - Windows Internet Explorer

http://166.109.4.114/cognos8/cgi-bin/cognos.cgi?b\_action=xts.run&m=portal/cc.xts&cpstarget=FAAAAIWU8GZB

IBM Cognos Connection

2008-09 School Year | 2007-08 School Year | Archive | Verification Reports | EETI | Documentation | My Folders

Place your mouse over the yellow folder to view a description of the reports

ELA Grade 3-8 > 5. Change Over Time (Trend) Analysis

Math Grade 3-8

Science Grade 4 and 8

Social Studies Grade 5 and 8

Multi-Subject

Select "Grade 3 ELA Item Analysis"

Grade 3 ELA Item Analysis - PowerPlay Studio - Windows Internet Explorer

http://166.109.4.114/cognos8/cgi-bin/cognos.cgi

PowerPlay Studio - Grade 3 ELA Item Analysis

MEASURES as values

MEASURES

Information/Understanding

2006 2007 2008 2009

Success Rate Group Success Rate Regional Success Rate Regional Hlt2 Cutpt Regional Lvl3 Cutpt Region Rate

ASURES

This view shows chart of Success Rate, Group Success Rate, Regional Success Rate and Regional Cut points for each Standard. Change from chart to data view by clicking here

Grade 3 ELA Item Analysis - PowerPlay Studio - Windows Internet Explorer

http://166.109.4.114/cognos8/cgi-bin/cognos.cgi

PowerPlay Studio - Grade 3 ELA Item Analysis

MEASURES as values

		Success Rate	Group Success Rate	Regional Success Rate	Regional Hvi2 Cutpt	Regional Lvl3 Cutpt	Regional Hvi3 Cutpt	Regional Lvl4 Cutpt
1. Information/Understanding	2006	87.09%	86.87%	87.24%	70.73%	81.62%	93.85%	98.43%
	2007	70.42%	75.28%	76.69%	47.72%	61.86%	78.70%	95.42%
	2008	78.18%	82.31%	82.29%	55.73%	71.22%	90.88%	96.93%
	2009	83.46%	83.98%	85.00%	54.10%	70.74%	86.90%	98.41%
	<b>All School Years</b>	<b>79.46%</b>	<b>82.04%</b>	<b>82.62%</b>	<b>56.60%</b>	<b>70.98%</b>	<b>87.31%</b>	<b>97.25%</b>
3. Critical Analysis	2006	79.89%	78.12%	79.18%	54.78%	69.19%	87.38%	96.93%
	2007	80.19%	83.48%	84.18%	63.93%	76.22%	86.63%	97.04%
	2008	81.23%	83.73%	86.06%	69.82%	79.35%	91.57%	96.95%
	2009	86.03%	85.99%	87.55%	64.14%	79.64%	88.81%	97.73%
	<b>All School Years</b>	<b>81.91%</b>	<b>82.96%</b>	<b>84.94%</b>	<b>64.32%</b>	<b>77.05%</b>	<b>88.74%</b>	<b>97.19%</b>
4. Book 2 Holistic Scores	2006	80.88%	76.34%	78.88%	58.85%	70.58%	85.17%	96.14%
	2007	80.88%	76.34%	78.88%	58.85%	70.58%	85.17%	96.14%
	<b>All School Years</b>	<b>80.88%</b>	<b>76.34%</b>	<b>78.88%</b>	<b>58.85%</b>	<b>70.58%</b>	<b>85.17%</b>	<b>96.14%</b>
4. Editing Paragraph	2007	92.83%	94.17%	95.64%	91.12%	96.27%	98.60%	99.75%
	2008	90.66%	91.77%	92.73%	78.96%	89.76%	98.06%	99.48%

Drag "All Responses to this line"

Grade 3 ELA Item Analysis - PowerPlay Studio - Windows Internet Explorer

http://166.109.4.114/cognos8/cgi-bin/cognos.cgi

PowerPlay Studio - Grade 3 ELA Item Analysis

MEASURES as values

			Success Rate	Group Success Rate	Regional Success Rate	Regional Hvi2 Cutpt	Regional Lvl3 Cutpt	Regional Hvi3 Cutpt	Regional Lvl4 Cutpt	
1. Information/Understanding	2006	SPI1	87.15%	86.84%	86.83%	69.67%	81.51%	93.74%	97.67%	
		MC01	91.68%	92.53%	92.57%	84.52%	89.73%	97.67%	99.34%	
		MC02	97.73%	96.87%	96.93%	94.04%	96.42%	98.36%	99.78%	
		MC03	89.11%	89.04%	89.19%	70.11%	86.31%	96.04%	99.34%	
		MC04	92.89%	93.02%	93.18%	83.13%	92.36%	98.30%	99.89%	
		MC05	90.62%	90.55%	90.78%	81.92%	90.65%	96.10%	99.01%	
		MC11	90.47%	91.98%	92.05%	74.60%	91.91%	98.17%	99.23%	
		MC12	67.93%	69.16%	69.25%	24.70%	49.37%	83.74%	96.51%	
		MC13	91.07%	93.39%	93.52%	86.05%	89.89%	97.36%	99.45%	
		MC15	65.81%	67.82%	68.05%	38.55%	48.04%	79.03%	94.11%	
		<b>All Responses</b>		<b>87.09%</b>	<b>86.87%</b>	<b>87.24%</b>	<b>70.73%</b>	<b>81.62%</b>	<b>93.85%</b>	<b>98.43%</b>
		2007	SPI1	70.41%	75.28%	76.30%	46.99%	62.26%	78.53%	95.71%
			MC01	71.63%	76.21%	77.35%	53.99%	61.19%	76.95%	95.51%
			MC02	61.79%	65.38%	66.35%	43.93%	50.09%	62.90%	87.99%
			MC03	70.47%	76.53%	77.81%	37.50%	64.91%	83.00%	97.22%
			MC04	83.68%	85.49%	86.96%	59.69%	79.85%	92.33%	99.40%
MC16	40.16%		51.85%	52.71%	19.08%	27.05%	48.79%	83.70%		
MC17	74.09%		80.57%	81.91%	54.75%	68.78%	87.52%	98.21%		
MC18	81.87%		86.78%	88.25%	63.21%	79.25%	93.41%	99.93%		
MC19	75.65%		81.16%	82.60%	60.00%	72.14%	85.02%	97.82%		

Now you can view all questions for each standard for each year

Grade 3 ELA Item Analysis - PowerPlay Studio - Windows Internet Explorer

http://166.109.4.114/cognos8/cgi-bin/cognos.cgi

PowerPlay Studio - Grade 3 ELA Item Analysis

Grade 3 ELA Item Analysis

- All Standards and Subskills
- All School Years
- All Responses
- School District
- All Genders
- All Ethnicities
- All Income Levels
- All Education Types
- All LEP Status
- All Teachers
- MEASURES

MEASURES as values

Success Rate	Regional Group Success Rate	Regional Success Rate	Regional Hvl2 Outpt	Regional Lvl3 Outpt	Regional Hvl3 Outpt	Regional Lvl4 Outpt	
87.15%	86.84%	86.83%	69.67%	81.51%	93.74%	97.67%	
91.68%	92.53%	92.57%	84.52%	89.73%	97.67%	99.34%	
97.73%	96.87%	96.93%	94.04%	96.42%	98.36%	99.78%	
89.11%	89.04%	89.19%	70.11%	86.31%	96.04%	99.34%	
92.89%	93.02%	93.18%	83.13%	92.36%	98.30%	99.89%	
90.62%	90.55%	90.78%	81.92%	90.65%	96.10%	99.01%	
90.47%	91.98%	92.05%	74.60%	91.91%	98.17%	99.23%	
67.93%	69.16%	69.25%	24.70%	49.37%	83.74%	96.51%	
91.07%	93.39%	93.52%	86.05%	89.89%	97.36%	99.45%	
65.81%	67.82%	68.05%	38.55%	48.04%	79.03%	94.11%	
<b>All Responses</b>	<b>87.09%</b>	<b>86.87%</b>	<b>87.24%</b>	<b>70.73%</b>	<b>81.62%</b>	<b>93.85%</b>	<b>98.43%</b>
70.41%	75.28%	76.30%	46.99%	62.26%	78.53%	95.71%	
76.21%	77.35%	53.99%	61.19%	76.95%	95.51%		
65.38%	66.35%	43.93%	50.09%	62.90%	87.99%		
76.53%	77.81%	37.50%	64.91%	83.00%	97.22%		
85.49%	86.96%	59.69%	79.85%	92.33%	99.40%		
40.16%	51.85%	52.71%	19.08%	27.05%	48.79%	83.70%	
74.09%	80.57%	81.91%	54.75%	68.78%	87.52%	98.21%	
81.87%	86.78%	88.25%	63.21%	79.25%	93.41%	99.93%	
75.65%	81.16%	82.60%	60.00%	72.14%	85.02%	97.82%	

Drag "All Standards and Subskills" to this line

Grade 3 ELA Item Analysis - PowerPlay Studio - Windows Internet Explorer

http://166.109.4.114/cognos8/cgi-bin/cognos.cgi

PowerPlay Studio - Grade 3 ELA Item Analysis

Grade 3 ELA Item Analysis

- All Standards and Subskills
- All School Years
- All Responses
- School District
- All Genders
- All Ethnicities
- All Income Levels
- All Education Types
- All LEP Status
- All Teachers
- MEASURES

MEASURES as values

Success Rate	Regional Group Success Rate	Regional Success Rate	Regional Hvl2 Outpt	Regional Lvl3 Outpt	Regional Hvl3 Outpt	Regional Lvl4 Outpt	
87.15%	86.84%	86.83%	69.67%	81.51%	93.74%	97.67%	
<b>All Responses</b>	<b>87.15%</b>	<b>86.84%</b>	<b>86.83%</b>	<b>69.67%</b>	<b>81.51%</b>	<b>93.74%</b>	<b>97.67%</b>
90.62%	90.55%	90.78%	81.92%	90.65%	96.10%	99.01%	
90.47%	91.98%	92.05%	74.60%	91.91%	98.17%	99.23%	
65.81%	67.82%	68.05%	38.55%	48.04%	79.03%	94.11%	
<b>All Responses</b>	<b>82.30%</b>	<b>83.45%</b>	<b>83.63%</b>	<b>65.02%</b>	<b>76.87%</b>	<b>91.10%</b>	<b>97.45%</b>
67.93%	69.16%	69.25%	24.70%	49.37%	83.74%	96.51%	
<b>All Responses</b>	<b>67.93%</b>	<b>69.16%</b>	<b>69.25%</b>	<b>24.70%</b>	<b>49.37%</b>	<b>83.74%</b>	<b>96.51%</b>
91.68%	92.53%	92.57%	84.52%	89.73%	97.67%	99.34%	
97.73%	96.87%	96.93%	94.04%	96.42%	98.36%	99.78%	
91.07%	93.39%	93.52%	86.05%	89.89%	97.36%	99.45%	
<b>All Responses</b>	<b>93.49%</b>	<b>94.26%</b>	<b>94.34%</b>	<b>88.20%</b>	<b>92.01%</b>	<b>97.80%</b>	<b>99.52%</b>
89.11%	89.04%	89.19%	70.11%	86.31%	96.04%	99.34%	
<b>All Responses</b>	<b>89.11%</b>	<b>89.04%</b>	<b>89.19%</b>	<b>70.11%</b>	<b>86.31%</b>	<b>96.04%</b>	<b>99.34%</b>
92.89%	93.02%	93.18%	83.13%	92.36%	98.30%	99.89%	

Now you can view all subskills for each standard for each year

Grade 3 ELA Item Analysis - PowerPlay Studio - Windows Internet Explorer

http://166.109.4.114/cognos8/cgi-bin/cognos.cgi

Grade 3 ELA Item Analysis - PowerPlay Studio

PowerPlay Studio - Grade 3 ELA Item Analysis

All Standards and Subskills | All School Years | All Responses | School District | All Genders

MEASURES as values

					Success Rate	Regional Group Success Rate	Regional Success Rate	Regional Hvl2 Cutpt	Regional Lvl3 Cutpt	Regional Hvl3 Cutpt	Regional Lvl4 Cutpt
1. Information/Understanding	2006	ELA Learning Standard 1	SPI1	All Responses	87.15%	86.84%	86.83%	69.67%	81.51%	93.74%	97.67%
				Identify main ideas and supporting details in informational texts	87.15%	86.84%	86.83%	69.67%	81.51%	93.74%	97.67%
			MC05	All Responses	90.62%	90.55%	90.78%	81.92%	90.65%	96.10%	99.01%
			MC11	All Responses	90.47%	91.98%	92.05%	74.60%	91.91%	98.17%	99.23%
			MC15	All Responses	65.81%	67.82%	68.05%	38.55%	48.04%	79.03%	94.11%
				Read and understand written directions	82.30%	83.45%	83.63%	65.02%	76.87%	91.10%	97.45%
			MC12	All Responses	67.93%	69.16%	69.25%	24.70%	49.37%	83.74%	96.51%
			MC01	All Responses	91.68%	92.53%	92.57%	84.52%	89.73%	97.67%	99.34%
			MC02	All Responses	91.07%	93.39%	93.52%	86.05%	89.89%	97.36%	99.45%
			MC03	All Responses	93.49%	94.26%	94.34%	88.20%	92.01%	97.80%	99.52%
			MC03	All Responses	89.11%	89.04%	89.19%	70.11%	86.31%	96.04%	99.34%
			MC04	All Responses	89.11%	89.04%	89.19%	70.11%	86.31%	96.04%	99.34%
			MC04	All Responses	92.89%	93.02%	93.18%	83.13%	92.36%	98.30%	99.89%

Drag "All Genders" to this line

Grade 3 ELA Item Analysis - PowerPlay Studio - Windows Internet Explorer

http://166.109.4.114/cognos8/cgi-bin/cognos.cgi

Grade 3 ELA Item Analysis - PowerPlay Studio

PowerPlay Studio - Grade 3 ELA Item Analysis

All Standards and Subskills | All School Years | All Responses | School District | All Genders

MEASURES as values

					Success Rate	Regional Group Success Rate	Regional Success Rate	Regional Hvl2 Cutpt	Regional Lvl3 Cutpt	Regional Hvl3 Cutpt	Regional Lvl4 Cutpt
1. Information/Understanding	2006	ELA Learning Standard 1	SPI1	M	85.86%	85.55%	86.83%	69.67%	81.51%	93.74%	97.67%
				E	88.52%	88.16%	86.83%	69.67%	81.51%	93.74%	97.67%
				All Genders	87.15%	86.84%	86.83%	69.67%	81.51%	93.74%	97.67%
				All Responses	87.15%	86.84%	86.83%	69.67%	81.51%	93.74%	97.67%
			MC05	M	88.82%	89.39%	90.78%	81.92%	90.65%	96.10%	99.01%
				E	92.52%	91.73%	90.78%	81.92%	90.65%	96.10%	99.01%
				All Genders	90.62%	90.55%	90.78%	81.92%	90.65%	96.10%	99.01%
			MC11	M	88.24%	91.02%	92.05%	74.60%	91.91%	98.17%	99.23%
				E	92.83%	92.96%	92.05%	74.60%	91.91%	98.17%	99.23%
				All Genders	90.47%	91.98%	92.05%	74.60%	91.91%	98.17%	99.23%
			MC15	M	60.59%	63.63%	68.05%	38.55%	48.04%	79.03%	94.11%
				E	71.34%	72.12%	68.05%	38.55%	48.04%	79.03%	94.11%
				All Genders	65.81%	67.82%	68.05%	38.55%	48.04%	79.03%	94.11%
				All Responses	82.30%	83.45%	83.63%	65.02%	76.87%	91.10%	97.45%
			MC12	M	66.47%	66.80%	69.25%	24.70%	49.37%	83.74%	96.51%
				E	69.47%	71.59%	69.25%	24.70%	49.37%	83.74%	96.51%

Now you can view male and female results for each subskills for each standard for each year

Grade 3 ELA Item Analysis - PowerPlay Studio - Windows Internet Explorer

http://166.109.4.114/cognos8/cgi-bin/cognos.cgi

PowerPlay Studio - Grade 3 ELA Item Analysis

All Standards and Subskills | All School Years | All Responses | School District | All Genders

MEASURES as values

Item	Year	Standard	Subskill	Gender	Success Rate	Regional Group Success Rate	Regional Success Rate	Regional Hvi2 Output	Regional Lvl3 Output	Regional Hvi3 Output	Regional Lvl4 Output
1. Information/Understanding	2006	ELA Learning Standard 1	SPI1	M	85.86%	85.55%	86.83%	69.67%	81.51%	93.74%	97.67%
				E	88.52%	88.16%	86.83%	69.67%	81.51%	93.74%	97.67%
				<b>All Genders</b>	<b>87.15%</b>	<b>86.84%</b>	<b>86.83%</b>	<b>69.67%</b>	<b>81.51%</b>	<b>93.74%</b>	<b>97.67%</b>
<b>All Responses</b>					<b>87.15%</b>	<b>86.84%</b>	<b>86.83%</b>	<b>69.67%</b>	<b>81.51%</b>	<b>93.74%</b>	<b>97.67%</b>
Identify main ideas and supporting details in informational texts	2006	MC08	MC08	M	88.82%	89.39%	90.78%	81.92%	90.65%	96.10%	99.01%
				E	92.52%	91.73%	90.78%	81.92%	90.65%	96.10%	99.01%
				<b>All Genders</b>	<b>90.62%</b>	<b>90.55%</b>	<b>90.78%</b>	<b>81.92%</b>	<b>90.65%</b>	<b>96.10%</b>	<b>99.01%</b>
<b>All Responses</b>					<b>90.62%</b>	<b>90.55%</b>	<b>90.78%</b>	<b>81.92%</b>	<b>90.65%</b>	<b>96.10%</b>	<b>99.01%</b>
Read and understand written	2006	MC12	MC12	M	66.47%	66.80%	69.25%	24.70%	49.37%	83.74%	96.51%
				E	69.47%	71.59%	69.25%	24.70%	49.37%	83.74%	96.51%
				<b>All Genders</b>	<b>65.81%</b>	<b>67.82%</b>	<b>68.05%</b>	<b>38.55%</b>	<b>48.04%</b>	<b>79.03%</b>	<b>94.11%</b>
<b>All Responses</b>					<b>65.81%</b>	<b>67.82%</b>	<b>68.05%</b>	<b>38.55%</b>	<b>48.04%</b>	<b>79.03%</b>	<b>94.11%</b>

You can filter by a single school year here

Grade 3 ELA Item Analysis - PowerPlay Studio - Windows Internet Explorer

http://166.109.4.114/cognos8/cgi-bin/cognos.cgi

PowerPlay Studio - Grade 3 ELA Item Analysis

All Standards and Subskills | All School Years | All Responses | School District | All Genders

MEASURES as values

Item	Year	Standard	Subskill	Gender	Success Rate	Regional Group Success Rate	Regional Success Rate	Regional Hvi2 Output	Regional Lvl3 Output	Regional Hvi3 Output	Regional Lvl4 Output
1. Information/Understanding	2006	ELA Learning Standard 1	SPI1	M	85.86%	85.55%	86.83%	69.67%	81.51%	93.74%	97.67%
				E	88.52%	88.16%	86.83%	69.67%	81.51%	93.74%	97.67%
				<b>All Genders</b>	<b>87.15%</b>	<b>86.84%</b>	<b>86.83%</b>	<b>69.67%</b>	<b>81.51%</b>	<b>93.74%</b>	<b>97.67%</b>
<b>All Responses</b>					<b>87.15%</b>	<b>86.84%</b>	<b>86.83%</b>	<b>69.67%</b>	<b>81.51%</b>	<b>93.74%</b>	<b>97.67%</b>
Identify main ideas and supporting details in informational texts	2006	MC08	MC08	M	88.82%	89.39%	90.78%	81.92%	90.65%	96.10%	99.01%
				E	92.52%	91.73%	90.78%	81.92%	90.65%	96.10%	99.01%
				<b>All Genders</b>	<b>90.62%</b>	<b>90.55%</b>	<b>90.78%</b>	<b>81.92%</b>	<b>90.65%</b>	<b>96.10%</b>	<b>99.01%</b>
<b>All Responses</b>					<b>90.62%</b>	<b>90.55%</b>	<b>90.78%</b>	<b>81.92%</b>	<b>90.65%</b>	<b>96.10%</b>	<b>99.01%</b>
Read and understand written	2006	MC12	MC12	M	66.47%	66.80%	69.25%	24.70%	49.37%	83.74%	96.51%
				E	69.47%	71.59%	69.25%	24.70%	49.37%	83.74%	96.51%
				<b>All Genders</b>	<b>65.81%</b>	<b>67.82%</b>	<b>68.05%</b>	<b>38.55%</b>	<b>48.04%</b>	<b>79.03%</b>	<b>94.11%</b>
<b>All Responses</b>					<b>65.81%</b>	<b>67.82%</b>	<b>68.05%</b>	<b>38.55%</b>	<b>48.04%</b>	<b>79.03%</b>	<b>94.11%</b>

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