Data Analysis Report Committee
October 23, 2018

Agenda

- Cognos Update and Cognos Analytics
- Report Reminders: Key longitudinal reports
- Suggested Report Changes, Additions
- Computer Based Testing
Teacher Level Reporting- Add-ons

- Virtual Class and views for:
  - ELL Teachers
  - Counselors
  - Specialists
  (They do not need to be scheduled in the SIS)
- Assessment Tool
- APPR Tool
- Scan Local Assessments for use in Teacher Reporting
- Add scores and item data from local and publisher exams (paper or CBT)

What Do We Need for Teacher Level Reporting?

Please load to Level 0 so teachers can see their students immediately. Here are the extracts needed:

- Student Class Entry Exit
- Student
- Staff Snapshot
- Course
- Course Instructor Assignment
- Location Marking Period

Once loaded and file is created for Level 1, please send email to msa mis@lhric.org and sty smb a lov@lhric.org
Cognos Analytics - Version 11

Present Status:
NYSED has decided to remain with IBM Cognos for the foreseeable future
All RICs must upgrade this school year to Version 11.
WNYRIC is operational on Version 11.07 (only RIC operational on Cognos Analytics)
LHRIC has been had Cognos Analytics on a Test Server since January. Just upgraded to 11.012
Teacher Level Reporting Working well in this version
All reports have been migrated- 99% working

What needs to be done:
Correct reports that are not working
Make sure all user groups are operational and show correct data
Develop new, more visual reports (gradual release)
Develop dashboards as opening screens for multiple user groups (gradual release)
Create separate login page for L2RPT reports

Cognos Analytics - Version 11

• Completely new interface
• Many more upgrades
• Artificial Intelligence and Machine Learning (V11.1) (learns your requests, anticipates, uses plain language search, create reports on the fly)
• Report creation engine is completely new
• UMS (User Management System) should remain the same
• We will provide districts with access to test server to acclimate themselves to the new environment.
### Information I would like to know about my students

1. How many students are in class X in the area? Performance Targets?
2. What content subjects should my students have taken?

### Assessment Tool

1. 1. Build a test (By test name, By (NOS and NOS))?
2. 2. Build a test (By test name, Form) (NOS and NOS)?

### The Following Reports are for 2017-18 School Year Class Rosters:

<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>2</td>
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<tr>
<td>3</td>
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</tr>
<tr>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
</tbody>
</table>
# 2.1 Grade 3 ELA Building Benchmark (Curriculum) Analysis

**2016-17 School Year**

**Notes:**
This report may be used for Data Analysis purposes only, it should NOT be used for accountability data verifications or to determine accountability status. Only Level 2 reports are the official reports used for Accountability purposes. Building Success Rate will be highlighted if it is **REACH** for the selected Target with the selected Gap. Building Success Rate will be highlighted in green if it is **REACH** for the selected Target with the selected Gap.

## Report Options
- Click on the **Finish** button once on Assessment, Target, and Gap are selected.

### Class Selection
- **Grade 3 ELA**

### Data Selection
- Regional (Private School)

### Data Selection
- Regional (Public School)

### Data Selection
- Regional (Total)

## Student Success Rates

<table>
<thead>
<tr>
<th>Building</th>
<th>Standard</th>
<th>ELA</th>
<th>English Language Arts</th>
<th>National</th>
<th>State</th>
<th>Region</th>
<th>Region (Private School)</th>
<th>Region (Public School)</th>
<th>Region (Total)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1.6.14</td>
<td>12% (4)</td>
<td>3rd</td>
<td>80%</td>
<td>80%</td>
<td>54%</td>
<td>68%</td>
<td>32%</td>
<td>36%</td>
<td>50%</td>
</tr>
<tr>
<td>2.1.6.14</td>
<td>12% (4)</td>
<td>4th</td>
<td>80%</td>
<td>80%</td>
<td>54%</td>
<td>68%</td>
<td>32%</td>
<td>36%</td>
<td>50%</td>
</tr>
<tr>
<td>2.1.6.14</td>
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<td>80%</td>
<td>54%</td>
<td>68%</td>
<td>32%</td>
<td>36%</td>
<td>50%</td>
</tr>
</tbody>
</table>

**Related resources**
- [NY Education](https://www.nysed.gov)
- [Curriculum](https://www.curriculum.gov)
- [Assessment](https://www.assessment.gov)
- [Reading](https://www.reading.gov)
- [International](https://www.international.gov)
- [Science](https://www.science.gov)
- [Social Studies](https://www.socialstudies.gov)
- [Writing](https://www-writing.gov)

**Related resources**
- [NY Education](https://www.nysed.gov)
What we plan- Questions from the Field

- Late February Release
- Present Reports will still be available
- Verification and L2 Reports will be the same
- User Levels will be the same except for the following
- Non-DA Customers will receive all Verification Reports and Common Data View Reports
- DA Customers (most districts) will receive all analysis reports as well as Common Data View Reports
- Verification Report users must be assigned by CIO and communicated to LHRIC
- Data Dashboards based on the user class will be gradually released throughout 2019.

What are Common Data View Reports?

- NYS Common Reports across the RICs:
  - The following reports are provided by the NY State Regional Information Centers as “common views” for all districts in the state. Please be patient as it may take some time for these reports to load on the page.

Common Data View

<table>
<thead>
<tr>
<th>Report</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report 1</td>
<td>Academic Performance</td>
</tr>
<tr>
<td>Report 2</td>
<td>Performance Report with Gap Analysis by District</td>
</tr>
<tr>
<td>Report 3</td>
<td>Performance Report with Gap Analysis by Location</td>
</tr>
<tr>
<td>Report 4</td>
<td>Performance Report with Gap Analysis by Teacher</td>
</tr>
<tr>
<td>Report 5</td>
<td>Released Question Report by District</td>
</tr>
<tr>
<td>Report 6</td>
<td>Released Question Report by Location</td>
</tr>
<tr>
<td>Report 7</td>
<td>Released Question Report by Teacher</td>
</tr>
<tr>
<td>Report 8</td>
<td>Constructed Response Distribution of Items Answered by District</td>
</tr>
<tr>
<td>Report 9</td>
<td>Constructed Response Distribution of Items Answered by Location</td>
</tr>
<tr>
<td>Report 10</td>
<td>Constructed Response Distribution of Items Answered by Teacher</td>
</tr>
<tr>
<td>Report 11</td>
<td>Constructed Response Distribution of Items Answered by Constructed</td>
</tr>
</tbody>
</table>

-
## NYSESLAT Individual Scores over Time

### 1.2 NYSESLAT Individual Scores Over Time

#### 2017-18 School Year

<table>
<thead>
<tr>
<th>District</th>
<th>Student Name</th>
<th>Student ID</th>
<th>Gender</th>
<th>Ethnicity</th>
<th>LEP Status</th>
<th>School Year</th>
<th>Grade Level</th>
<th>Perf Level</th>
<th>Total Scale Score</th>
<th>Total Raw Score</th>
<th>Listening</th>
<th>Reading</th>
<th>Speaking</th>
<th>Writing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>F</td>
<td>Asian</td>
<td>5</td>
<td>Expanding</td>
<td>2017</td>
<td>205</td>
<td>5</td>
<td>Expanding</td>
<td>204</td>
<td>32</td>
<td>59</td>
<td>71</td>
<td>16</td>
<td>30</td>
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<tr>
<td></td>
<td>M</td>
<td>Hispanic or Latino</td>
<td>3</td>
<td>Expanding</td>
<td>2016</td>
<td>277</td>
<td>3</td>
<td>Expanding</td>
<td>254</td>
<td>51</td>
<td>60</td>
<td>60</td>
<td>16</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>F</td>
<td>Hispanic or Latino</td>
<td>4</td>
<td>Expanding</td>
<td>2017</td>
<td>270</td>
<td>3</td>
<td>Expanding</td>
<td>254</td>
<td>51</td>
<td>60</td>
<td>60</td>
<td>16</td>
<td>60</td>
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<tr>
<td></td>
<td>M</td>
<td>Hispanic or Latino</td>
<td>3</td>
<td>Expanding</td>
<td>2016</td>
<td>277</td>
<td>5</td>
<td>Expanding</td>
<td>254</td>
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<tr>
<td></td>
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<td>Expanding</td>
<td>2017</td>
<td>270</td>
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<td>Expanding</td>
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<td>16</td>
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<tr>
<td></td>
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<td>Asian</td>
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<td>Expanding</td>
<td>2018</td>
<td>277</td>
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<td>Expanding</td>
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<td>60</td>
<td>16</td>
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<td>M</td>
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<td>60</td>
<td>16</td>
<td>60</td>
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<tr>
<td></td>
<td>M</td>
<td>Hispanic or Latino</td>
<td>7</td>
<td>Expanding</td>
<td>2016</td>
<td>270</td>
<td>5</td>
<td>Expanding</td>
<td>254</td>
<td>51</td>
<td>60</td>
<td>60</td>
<td>16</td>
<td>60</td>
</tr>
</tbody>
</table>
For Administrators of Teacher Level Analysis Districts -

Regents Teacher Class Analysis

### 9.1 June Regents Class Student Details

**2017-18 School Year**

**Grouped By Building: Sorted by Teacher Name**

Report Download:

<table>
<thead>
<tr>
<th>District</th>
<th>Building</th>
<th>Teacher Name</th>
<th>Course Name</th>
<th>Course Code</th>
<th>Section Code</th>
<th>Chairman Date</th>
<th>Assessment Date</th>
<th>Class Fail Date</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>ALGEBRA</td>
<td>600.022</td>
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<td>Jul 7, 2017</td>
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</table>

[Table continues with student details and assessment scores]
Multi-Year Student Percentile Rank Comparison

<table>
<thead>
<tr>
<th>Grade</th>
<th>Education Type</th>
<th>ELI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**District:**

<table>
<thead>
<tr>
<th>Building</th>
<th>Student ID</th>
<th>Student ID</th>
<th>Education Type</th>
<th>ELI</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>F</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>School Year</th>
<th>ELA</th>
<th>Math</th>
<th>Overall</th>
<th>ELA</th>
<th>Math</th>
</tr>
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<tbody>
<tr>
<td>2017-18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2016-17</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Regional Percentile Rank**

- **2017-18:** 80%
- **2016-17:** 70%
- **2015-16:** 60%
- **2014-15:** 50%
- **2013-14:** 40%

**State Percentile Rank**

- **2017-18:** 90%
- **2016-17:** 80%
- **2015-16:** 70%
- **2014-15:** 60%
- **2013-14:** 50%
# NYSED Sub-committees

Tech Standards Subcommittee  
Data Visualization Tools  
School Climate Data  
Computer Based Testing  
Computer Based Testing Advisory Committee

## Tech Standards Subcommittee

<table>
<thead>
<tr>
<th># Assigned*</th>
<th>Possible Solutions</th>
<th># Votes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Consolidation of Errors at Various Levels</td>
<td>18</td>
</tr>
<tr>
<td>2</td>
<td>Consistency Between Levels – Errors in Sync</td>
<td>18</td>
</tr>
<tr>
<td>2</td>
<td>Catching Errors Earlier in the Process, also SMS</td>
<td>18</td>
</tr>
<tr>
<td>11</td>
<td>Pull Master-Grand Report L0-L1-L2</td>
<td>9</td>
</tr>
<tr>
<td>11</td>
<td>Universal Data Quality Check</td>
<td>9</td>
</tr>
<tr>
<td>11</td>
<td>Dashboard – Quality Check</td>
<td>9</td>
</tr>
<tr>
<td>8</td>
<td>DELTA – Move Changes Only</td>
<td>8</td>
</tr>
<tr>
<td>7</td>
<td>Refresh More</td>
<td>7</td>
</tr>
</tbody>
</table>
Data Visualization Tools

RICs evaluate the following tools:

Cognos Analytics (Version 11.x)
Tableau
Microsoft Power BI

Perceptual Data vs. SEL (Social and Emotional Learning)

- Two different areas of assessment
- How students perceive their learning environment affects their SEL
- The US Department of Education and NYSED is recommending a survey to gauge students', teachers', administrators' and parents' perception of their teaching/learning environment.
- They also recommend curriculum for SEL:
  https://casel.org/what-is-sel/
School Climate Survey Update

**USDOE Survey:**
You must use the questions provided
You must use the calculations provided
Other than that, you are can administer any way you like (see next slide)

---

School Climate Survey Update

NYSED would like all schools to administer the School Climate Survey
Three Alternatives:
School administers Climate Survey on their own and provides data to NYSED
RICs provide Climate Survey for districts and provide data to NYSED
RICs with vendor provide Climate Survey and data to NYSED
Ed School Climate Surveys

• NYSED- suggested survey (not mandatory at this time)
• This is a Federal Education Department Survey
• Administered at the convenience of the district
• Formal introduction letter templates available on website
• For Students, Instructional Staff, Non-Instructional Staff, Parents
• All Surveys administered online
• Reports immediately available and based on Federal rubric
District Report Trainings

Please contact us for trainings on Data Analysis Reports! No cost!

2 half days of training are built into your Data Analysis contract

We will come to your district:

- Superintendent Conference Days
- Principal Meetings
- Data Teams
- Administrative Retreats
- Departmental Meetings

Please Contact: Mark Samis  msamis@lhric.org  914-922-3259
CBT Questar Secure Browser and Practice Tests

Where is secure Browser?
https://ny.nextera.questarai.com/Admin/Help/Downloads

Need Nextera login credentials

How to access Practice Tests with secure browser?

---

New York State Grades 3-8 Testing Program

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Version</th>
<th>Client</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft Windows</td>
<td>3.5.233</td>
<td>Download</td>
</tr>
<tr>
<td>Apple Mac OS X (10.9 - 10.13)</td>
<td>3.5.238</td>
<td>Download</td>
</tr>
<tr>
<td>Apple iPad (2.3 - 11)</td>
<td>1.2.2</td>
<td>Download</td>
</tr>
<tr>
<td>Google Chromebook</td>
<td>2.4.5</td>
<td>Download</td>
</tr>
</tbody>
</table>
How do we access ELA practice tests in the Nextera Secure Browser?

February 06, 2015 14:21

Updated 2/16: The new Nextera Secure Browser math practice tests logins have been updated for the 2017-18 school year.

Nextera Secure Browser:
To access the Secure browser practice tests, district hosting devices must have the Nextera Secure Browser installed and tested before the student can access the practice test. The passwords remain the same (“practice”). The new username format for this year is the following (note the addition of the letter “g” in the username):

subject + g + grade number + code for accommodation (if needed):

Example: ela10g / practice

See below for additional examples. The 2017 practice test logins will not work after 2/15/18.

You can locate browser and Operating System specific downloads on the “Downloads” page under the help tab from the banner toolbar in Nextera Secure.

Nextera Secure Browser Download Page

Nextera Setup & Installation Guide

The complete list, which includes logins for the practice tests with accommodations, TTE, and alternate languages, are available at Nextera Admin and on CBT Support (PDFs can be downloaded below). The usernames and passwords are not case-sensitive.

<table>
<thead>
<tr>
<th>ELA Grade Level</th>
<th>Username</th>
<th>Password</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade 5</td>
<td>ela5g</td>
<td>practice</td>
</tr>
<tr>
<td>Grade 4</td>
<td>ela4g</td>
<td>practice</td>
</tr>
<tr>
<td>Grade 6</td>
<td>ela6g</td>
<td>practice</td>
</tr>
<tr>
<td>Grade 8</td>
<td>ela8g</td>
<td>practice</td>
</tr>
</tbody>
</table>

Practice with Equation Editor in Sampler

Use the Sampler Page:
https://ny.nextera.questarai.com/tds/#practice

Pick Math, a Grade Level, then “Equation Editor Sampler”
(Make sure you are in Chrome)

Select Question Sampler

Select Subject: Math
Select Grade: Grade 3
Select Test: Equation Editor Sampler

Take it online.

Start test
Use the space below to answer the question your teacher has provided you.

*Show your work.*

[Image of an answer box]

Added for 2019 testing - ELA Response Box Sampler

**Select Question Sampler**

Select Subject: ELA  
Select Grade: Grade 7  
Select Test: ELA Response Box Sampler

Take it online.

Start test
Discussion - Data Analysis and CBT

- How may Adaptive Testing affect data analysis?
  - Questions may not be released (they will be reused)
  - Success rates on individual questions may not be available
  - Skill analysis may still be available with vendor supplied reports
  - Extended Responses of students may not be available

- This would make interim and formative assessments the only detailed method of assessing student skills
  - Teachers need data support to assess student skills on a regular basis in the classroom
  - Students need data skills to understand what they need or how they can help other students

Responsibilities of Home District for Testing Outplaced Students

- Know your students
- You have the responsibility for contacting the outplaced location for your student
- You should work with the outplaced location
- Have a primary and secondary contact
- You may need to work with them for varying purposes (i.e. NYSAA Assessments)
Thank you! Contact Us!

- Mark Samis, Manager, Data Services  msamis@lhric.org  914-922-3259
- Steve Liu, Lead System Analyst/Programmer  sliu@lhric.org  914-922-3294
- Simon Tsymbalov, Programmer  stsymbalov@lhric.org  914-922-3342
- Tatyana Ratner, System Analyst/Programmer  tratner@lhric.org  914-922-3275
- Akila Sriram, System Analyst/Programmer  asriram@lhric.org  914-922-3319
- Jose Gonzalez, System Analyst/Programmer  jgonzalez@lhric.org  914-922-3219