

What's New with Blue Reporting and Analytics

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Agenda

• What's new in Blue Reporting

- Concepts of relational demographics
- New capabilities in Aggregated reports
- Blue Text Analytics v2.0
- Other enhancements in Blue reporting

• Dashboard

- Instructor Feedback Dashboard (Concepts & Use cases)
- What's coming in Instructor Feedback Dashboard
- Blue Analytics Concepts







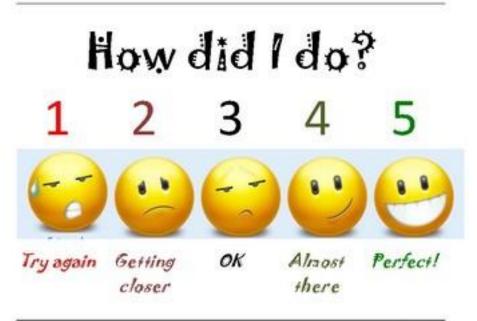


Question

Evolving Storytelling

The instructor was well-prepared for class Question for Jeannie TAYLOR

- Strongly Disagree
- O Disagree
- Neutral
- OAgree
- O Strongly Agree



George Duan, 2014





Storytelling with statistical values

			1. The c	ourse wa	s intellectua	ally challengi	ng						SIR
How clearly were co	urse learning go	als and obj	ectiv			1	T		I		1	T	0.5
How effectively was	class time used	to help you	lean	ol (Arts &	Course 4.0 Science) 3.8				^				0.9
How effectively did o	ut-of-class work	(assignme		010113 0	outerioe join						1.00		1.0
How a How effectively	vas class time used t	to help you lea	arn?						2.00	3.00	4.00	5.00	0.5
	tively (39.1%) – tively (34.8%) –				6	8	ę)					0.4
	ctively (0.0%) 0 [Total (23)]								Δ			-	0.5
	0	2	4		6	8		10	2.00	3.00	4.00	5.00	
		Course	Depa	artment. (B	BUS)	In	stitution						
Question	Respons Count	^e Mean Stand Devia		Mean	Standard Deviation	Response Count	Mean	Standard Deviation	-				
How effectively was used to help you lea		3 3.1	0.8 2473	3.2	0.9	5245	3.3	0.8		l¢			
						0.00	1.00)	2.00	3.00	4.00	5.00	

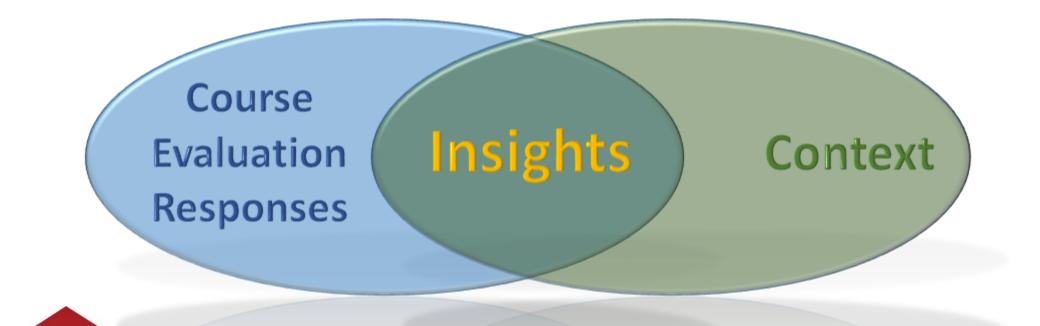




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Storytelling with context







Leveraging course demographics

Course Average vs Department vs Institution

	Course			Department. (BUS)			Institution		
Question	Response Count	Mean	Standard Deviation	•	Mean	Standard Deviation	Response Count	Mean	Standard Deviation
How clearly were course learning goals and objectives communicated to you?	23	3.3	0.6	2481	3.3	0.8	5264	3.4	0.7

- Large class size vs Small class size
- Lvl 200 vs Lvl 400
- Have TA vs No TA



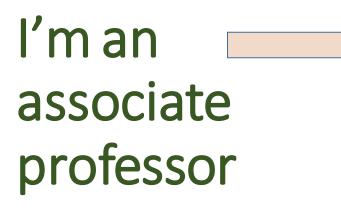








Leveraging Instructor Demographics



• My average vs Associate Professors

 My average vs Assistant Professors professor





l'm an

assistant

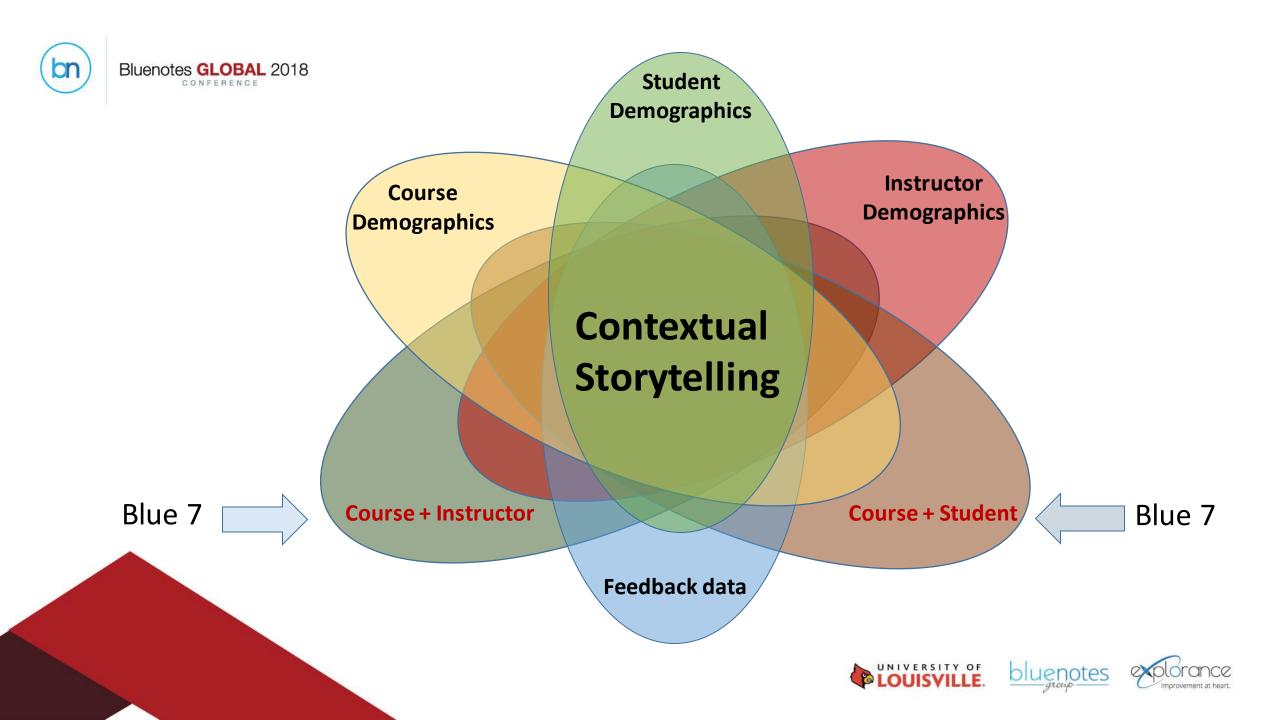


Leveraging Student Demographics

Breaking down feedback data within the course

- •• 1st year students vs 2nd year students
- Full time vs Part time
- Engineering students vs Art&Sci students





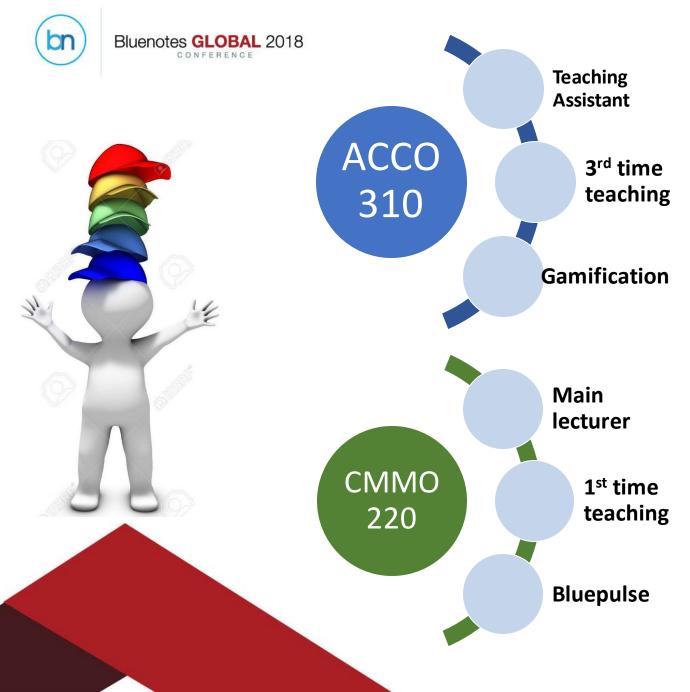




Course and InstructorContextual data betweenrelationship fileCourse and Instructor

CourseID	InsctructorID	Teaching Role	Experience	Innovative Tools
401791-7688-Q4	AJames	Main Lecturer	1st Time	Bluepulse
401791-7688-Q4	Ajtaylor	Guest Speaker	3rd Time	Social Media
401791-7688-Q4	Ajvandam	Teaching Assistant	N Times	Free Online Tools
401791-7688-Q4	Amolsen	Teaching Assistant	2nd Time	Gamification
401794-8432-Q2	Ahroy	Main Lecturer	N Times	Bluepulse
401794-8432-Q2	Amparker	Teaching Assistant	1st Time	Free Online Tools
401802-7806-Q1	Ajbalboa	Main Lecturer	2nd Time	Bluepulse
401802-7806-Q1	Atcheng	Teaching Assistant	N Times	Gamification
401804-3641-Q3	Adwong	Main Lecturer	3rd Time	Free Online Tools
401804-3641-Q3	Awsmith	Guest Speaker	1st Time	Bluepulse





For ACCO 310, I want to compare my results with

- Other TAs who taught the course > 3 times
- Other courses that used gamification tools

For CMMO 220, I want to compare my results with

- Instructors who taught in the same discipline
- Other 1st time instructors in the institution
 - Other courses that used Bluepluse formative feedback







Relationship data between Course and Student

Contextual data between Course and Student



CourselD	StudentID	Course Reason	Course Reason 2	Program	Repeat
401791-7688-Q4	A60095	Mandatory	Major	Program 1	No
401791-7688-Q4	A60713	Elective	Minor	Program 3	No
401791-7688-Q4	A60458	Mandatory	Certificate	Program 1	Yes
401791-7688-Q4	A60650	Elective	Minor	Program 2	No
401791-7688-Q4	A60797	Mandatory	Major	Program 3	Yes
401791-7688-Q4	A60852	Elective	Diploma	Program 2	No
401791-7688-Q4	A60816	Mandatory	Major	Program 1	No
401791-7688-Q4	A70547	Elective	Minor	Program 2	No
401791-7688-Q4	A70580	Elective	Certificate	Program 1	No
401791-7688-Q4	A70646	Mandatory	Major	Program 3	Yes
401791-7688-Q4	A70708	Mandatory	Minor	Program 3	No





Almost every part of the report creation process was enhanced in Blue 7 so that triggers, filters, piping, cross tabulations, and norm comparisons can leverage this new type of relational demographic data.









Describe what happened at a larger scale

Group By (aggregated) reports

CONFERENCI

Based on Course Field

- Departmental report
- School report
- Institution report

Based on Instructor Field

- Union Report
- All Associate Professors
- All Assistant Professors

Blue 7 adds new types of Group By reports



Based on Course + Student Field

 Program report (Major, Minor, Certificate)

Based on Course + Instructor Field

- Teaching roles report (Main Lecture and TA Report)
- Teaching tools report (Bluepulse, Gamification)

bluenotes







BTA Dictionary v2.0

- Additional 400,000 comments were used to enhance the dictionary
- 104 themes (up from 87) in BTA v1.0)
- **Categories** Coverage: 92% of the paragraphs, 90% of the sentences

instructive / informative helpful/supportive important/relevant knowledgeable unresponsive unkind / unpleasant unhelpful funny / entertaining available responsive high quality lacking knowledge approachable unavailable frustrating not worthwhile expensive fair repetitive keep as is interesting engaging boring bad quality difficult unfair clear organized easy neutral must change enjoyable superficial poor delivery stressful not engaging comprehensive disorganized unapproachable well delivered kind / personable disrespectful / rude

enthusiastic / dedicated







BTA Dictionary V2.0

Accuracy improvement

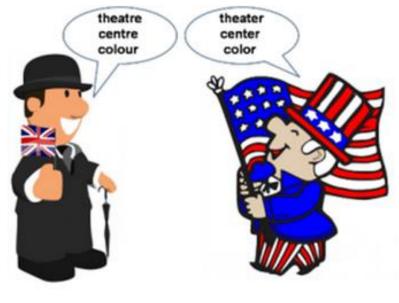
- Better handling of negations and double negations
 - "He was not really super unclear about the instructions for assignments"
- Better handling of indirect/passive comments
 - "It would have been better if a teacher emphasized the key points more clearly"
- Better handling of misspellings
 - "awesoooooooooooo"





BTA Dictionary V2.0

- Catching expressions both in British English and in American English
- Dictionary theme captions can be presented either in American English or in British English









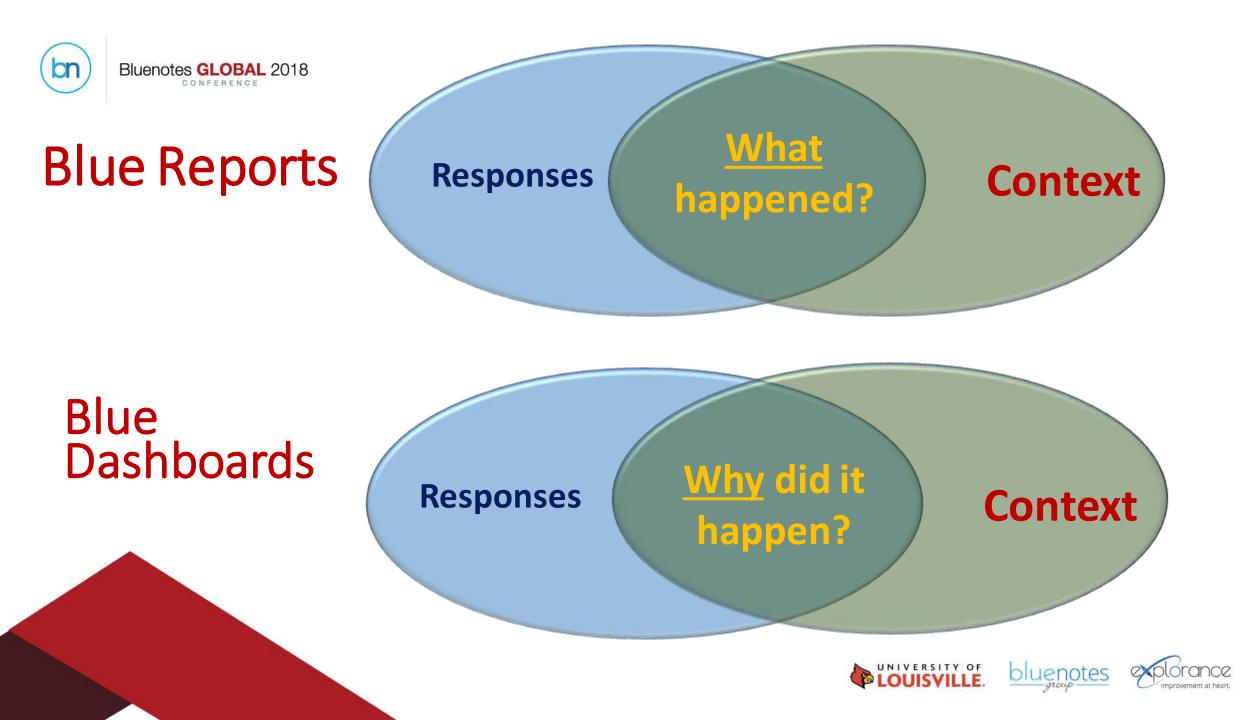


Other reporting enhancements in Blue 7

- Full cascaded questionnaire support in reports (Question Bank support)
- Breakdown section
- Spreadsheet block enhancements
- Bulk Edit in reports
- Dynamic Report Access

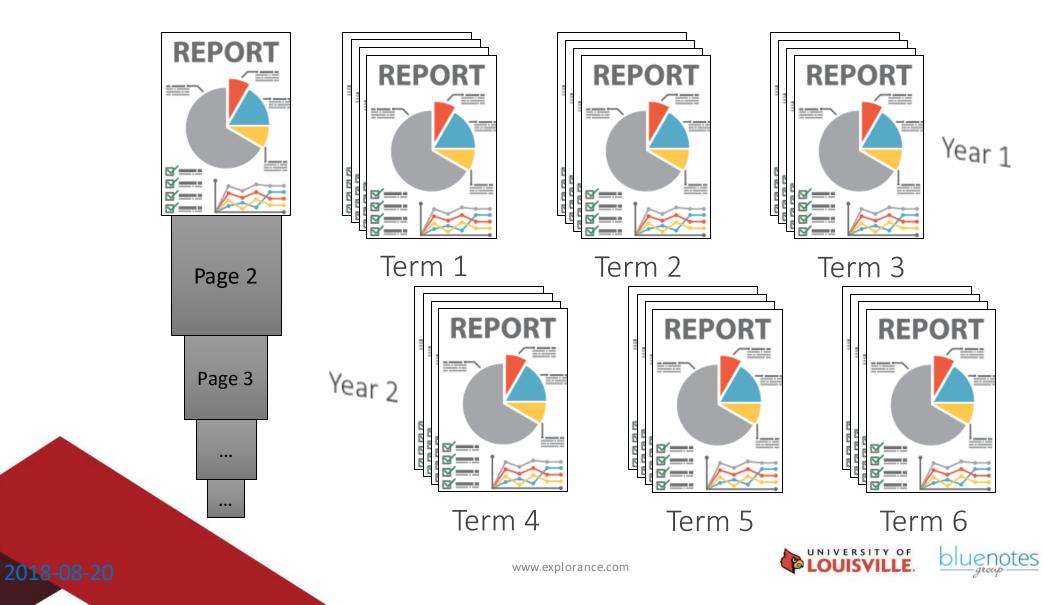








Instructor



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Improvement at heart



Help Instructors to interpret the data

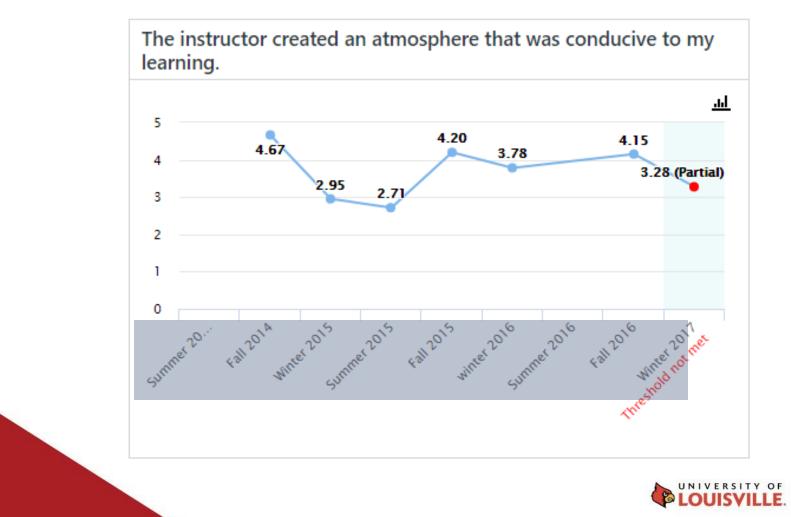
I received a 3.7 on a question about my speech intonation in Math 101. I would like to know:

- Did I improve from the last time I taught this course?
- How is my communication overall for all my courses?
- How is my speech intonation for all courses in 1 term?
- Also, I have a theory as to why I got this result. How can I verify this theory?





Did I improve since I last taught this course?







How is my Classroom Experience overall for all my courses this term?

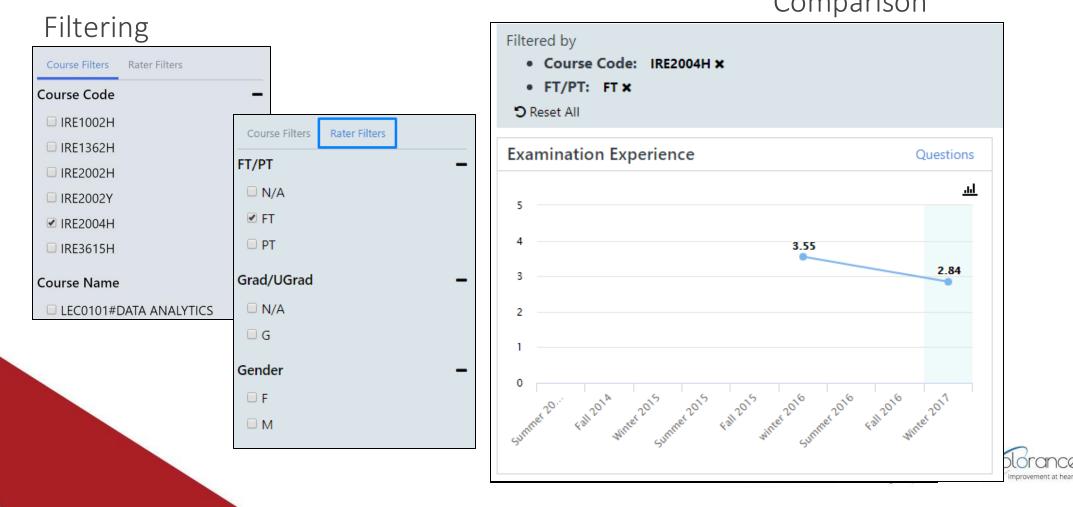
Course	Examination Experience	Classroom Experience	Learning Experience	
	4.13 /5	3.89/5	3.95 /5	
STATISTICS FOR IR/HR IRE1002H-F-LEC0101	4.81	4.43	4.4	
18 Invitations 8 Responses 44.44% Response rate	4.01	4.45	4.4	
RESEARCH METHODS IRE2002H-F-LEC0101	2.40	2.26	2.22	
31 Invitations 13 Responses 41.94% Response rate	3.48	3.36	3.33	
RESEARCH METHODS IRE2002H-F-LEC0102	1.50	1.00		
14 Invitations 6 Responses 42.86% Response rate	4.58	4.33	4.6	





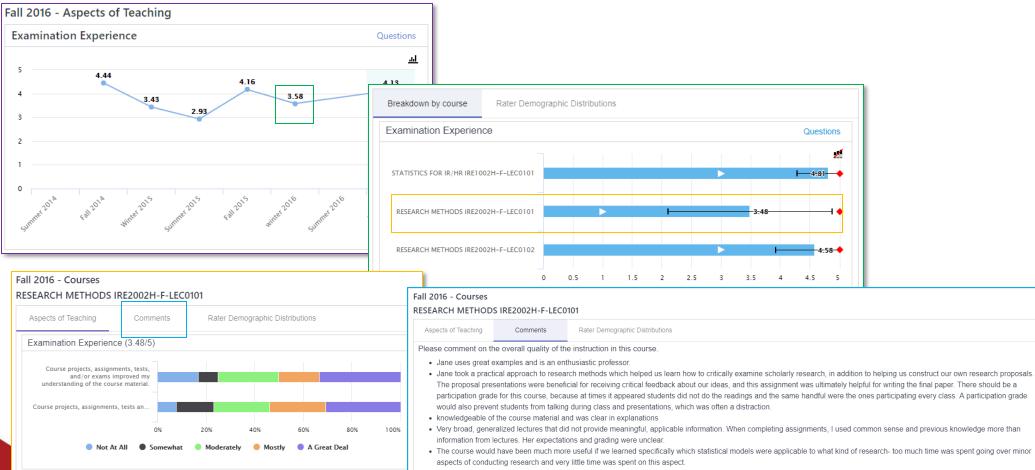
CONFERENCE

Diagnosis - I have a theory as to why I got this result... Breakdown Filtering Result Comparison





Diagnosis - Drilldown



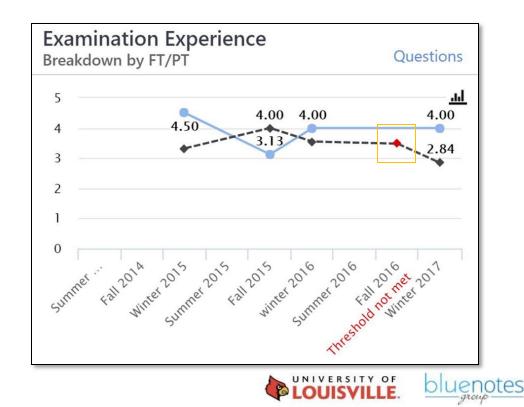






Protecting student confidentiality

- Threshold on number of responses per course
- > Threshold on number of responses per student demographic
- Safe deep-dive filtering









Bluenotes GLOBAL 2018

Aspects of Teaching

- Q1. I found the course intellectually stimulating.
- Q2. The instructor created an atmosphere that was conducive to my learning.
- Q3. The course provided me with a deeper understanding of the subject matter.
- Q4. Course projects, assignments, tests, and/or exams improved my understanding of the course material.
- Q5. Course projects, assignments, tests and/or exams provided opportunity for me to demonstrate an understanding of the course material.

Classroom experience

- Q1. I found the course intellectually stimulating.
- Q2. The instructor created an atmosphere that was conducive to my learning.
- Q3. The course provided me with a deeper understanding of the subject matter.

Examination experience

- Q1. Course projects, assignments, tests, and/or exams improved my understanding of the course material.
- Q2. Course projects, assignments, tests and/or exams provided opportunity for me to demonstrate an understanding of the course material.



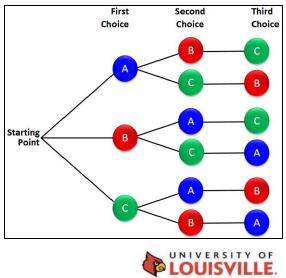
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Course Evaluation Administrator

- Administrator must accommodate demands for ad hoc analysis requests or backlogs them.
- Administrator must maintain multiple versions of the same report for different departments/units.
- Difficult or impossible the admin to keep up with these demand resulting in the data not being serviced fully and the potential insights not being delivered.



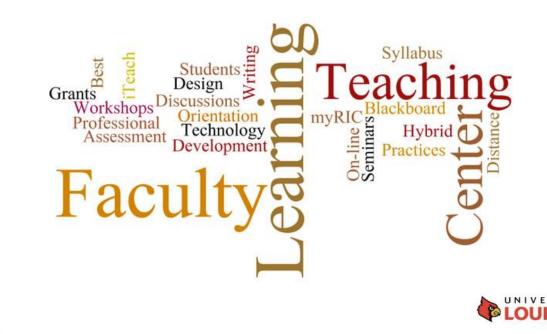






Center for Teaching & Learning

Support staff needs to access the data in order to help faculty improve (helping to improve in classroom dynamics, course design, delivery skills and new educational technologies and tools)





What's coming in Instructor Feedback Dashboards Cascaded questionnaire and Question Personalization support

Enhanced Analytic Data Export

Printing for portfolio

Normative comparison and more statistical support

Dynamic role access

Relational demographic data

Blue Text Analytics support

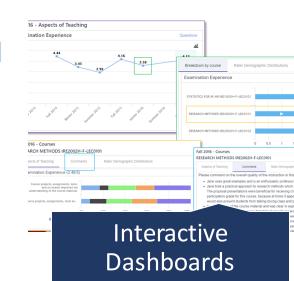
Enhanced project mapping process





Blue Analytics Concepts







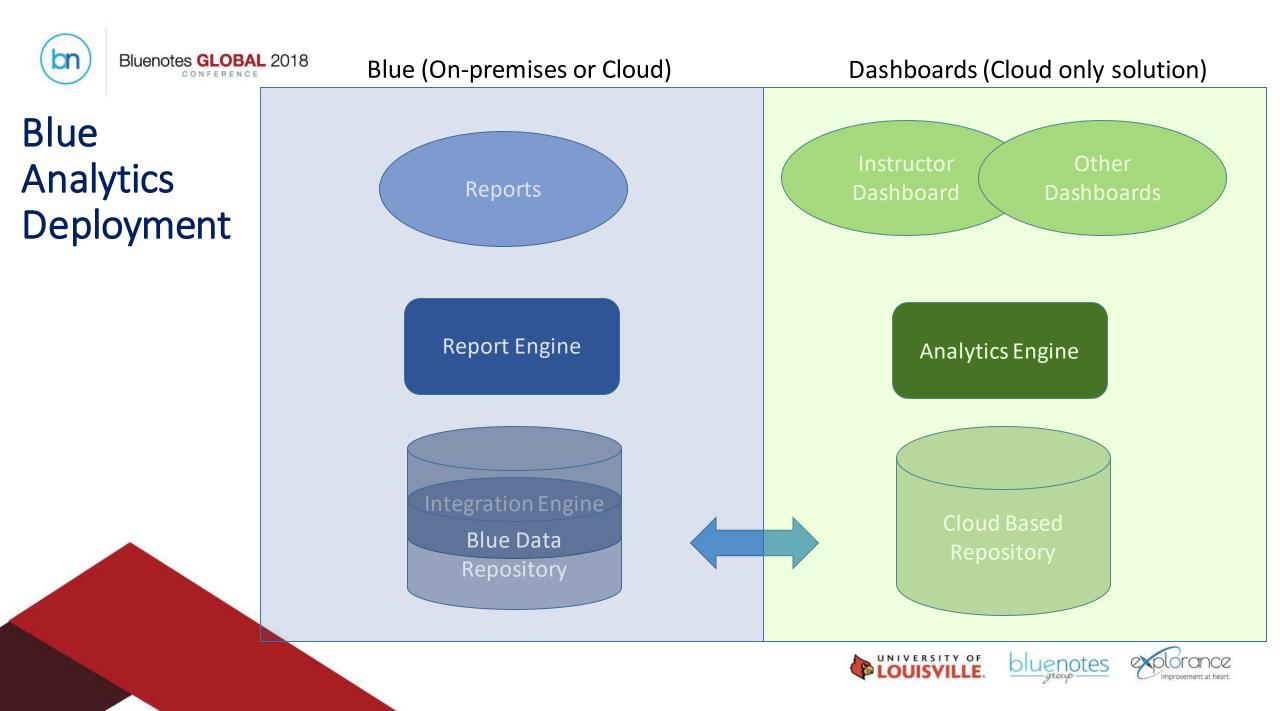














Thank you!

• Questions?

