



Bluenotes **GLOBAL** 2018  
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# Make the Most of Course Evaluations by Leveraging Advanced and Powerful Data Structures

- *Presented by : Elizabeth Guzman and Raluca Druta*





# Agenda

- What are Relational Demographics in Blue?
- Student Enrollment Data
- Teaching Assignment Data
- Recommendations
- Take away



# What are Relational Demographics in Blue?

**Capability to import additional fields into  
Relationship Type Data Sources**

# What are Relational Demographics?

Course ID	Instructor ID	Teaching Role	Lecture Schedule	Teaching Hours
101815-8504-Summer	afong	TA	Tuesday 9-10AM	35
101815-8504-Summer	kknightley	TA	Tuesday 9-10AM	30
101815-8504-Summer	mbush	Instructor	Tuesday 9-10AM	30
101815-8504-Summer	pholly	Instructor	Tuesday 9-10AM	30
102033-1041-Summer	bbaker	Instructor	Wednesday 2-3PM	30
201821-6540-Summer	afong	Instructor	Friday 3-4PM	20
201821-6540-Summer	kknightley	Instructor	Friday 3-4PM	30
201821-6540-Summer	mbush	TA	Friday 3-4PM	20
201821-6540-Summer	pholly	TA	Friday 3-4PM	30
202047-7051-Summer	jscott	Instructor	Monday 10-11AM	35
202702-6437-Summer	jscott	Instructor	Monday 10-11AM	35



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# Student Enrollment Data

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# Scenario

- Include student enrollment status as relational demographic for investigative analysis



# Scenario



- **Elicit feedback from students regarding factors that may lead to course discontinuation**

# Scenario

- All students, including those who discontinued a class are invited to complete course evaluations





# Scenario



- **All students will complete a core set of questions, plus enrollment status specific questions**

# Assumptions



- **Student feedback can be invited after a student withdrew from a course**

# Assumptions

- **Student enrollment status data is available**



# Steps: Data Preparation

- Design the Student Enrollment view/table/file to include the student enrollment status demographic

Course ID	Student ID	Enrollment_Status
101815-8504-Summer	msmith	Enrolled
101815-8504-Summer	aaaid	Enrolled
101815-8504-Summer	ccoy	Enrolled
101815-8504-Summer	hrolo	Enrolled
101815-8504-Summer	badams	Enrolled
101815-8504-Summer	ibecker	Dropped
101815-8504-Summer	kyoshioka	Dropped
101815-8504-Summer	hcohen	Dropped
101815-8504-Summer	sabraham	Dropped
101815-8504-Summer	glim	Enrolled
202702-6437-Summer	msmith	Enrolled
202702-6437-Summer	aaaid	Dropped
202702-6437-Summer	ccoy	Dropped
202702-6437-Summer	hrolo	Dropped
202702-6437-Summer	badams	Enrolled
202702-6437-Summer	ibecker	Enrolled
202702-6437-Summer	kyoshioka	Enrolled
202702-6437-Summer	hcohen	Enrolled
202702-6437-Summer	sabraham	Enrolled
202702-6437-Summer	glim	Dropped



# Steps: Design questionnaire

## Course

The course was organized in a way that helped me learn

Strongly Disagree	Disagree	Agree	Strongly Agree
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

The course assignments and lectures usefully complemented each other

Strongly Disagree	Disagree	Agree	Strongly Agree
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

## Teacher Daphny WONG

How clearly were course learning goals and objectives communicated to you?

Not at all Clearly	Somewhat Clearly	Clearly	Very Clearly
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

The instructor had good communication skills.

Strongly Disagree	Disagree	Agree	Strongly Agree
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

# Steps: Introduce questionnaire logic

- Create a trigger condition and action using the relational demographic rater field
- Rater fields, at the trigger level, now include relational demographics – marked with + (e.g. +Enrollment\_Status)

Trigger Creation

### Trigger Creation

Trigger Name

Trigger Condition Type

Selection List

First Name	Contains	<input type="text"/>
First Name	Contains	<input type="text"/>
Last Name	Contains	<input type="text"/>
Email		
Language	Contains	<input type="text"/>
Blue_Role		
PreferredLanguage_1		
Gender		
GPA		
GPA_Range		
Residency		
+Enrollment_Status		

tem(s)

First Name ▲

Filter Clear



# Steps: Leverage relational demographic data



Students.+Enrollment\_Status Contains Enrolled

How likely would you be to recommend this course?

Not at all Likely    Somewhat Likely    Likely    Very Likely

What advice would you give to another student who is considering taking this course?



Students.+Enrollment\_Status Contains Dropped

Would you take this course again if you had the opportunity?

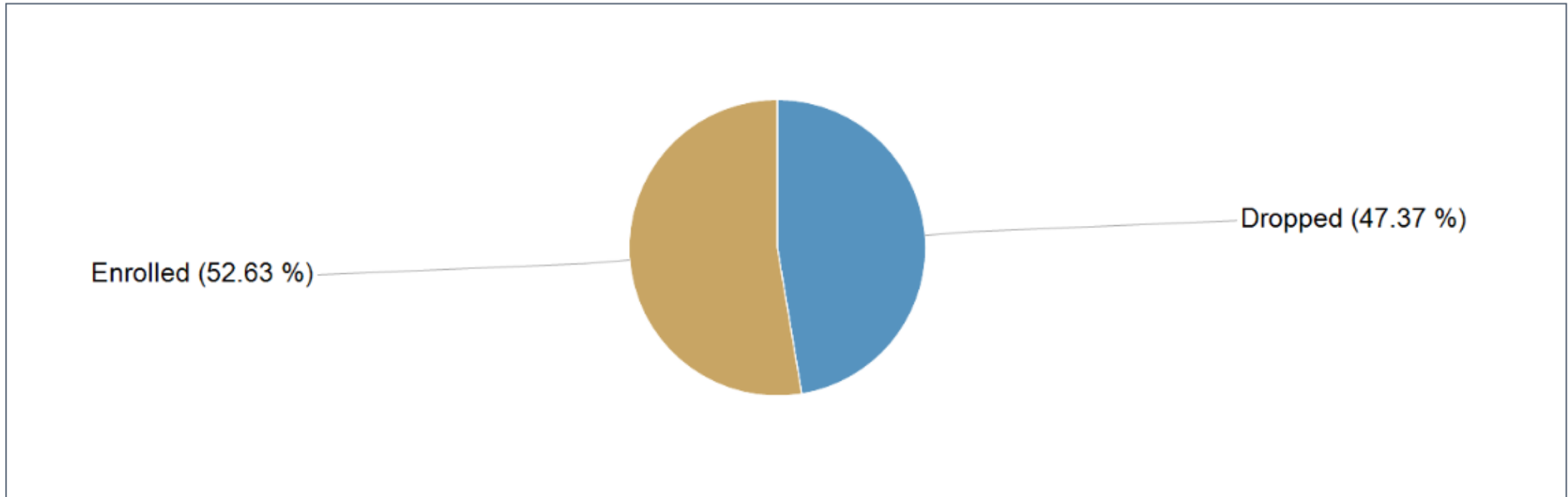
Not at all Likely    Somewhat Likely    Likely    Very Likely

Please identify area(s) where you think the course could be improved.

# Steps: Enrollment status demographic analysis

## Enrollment status

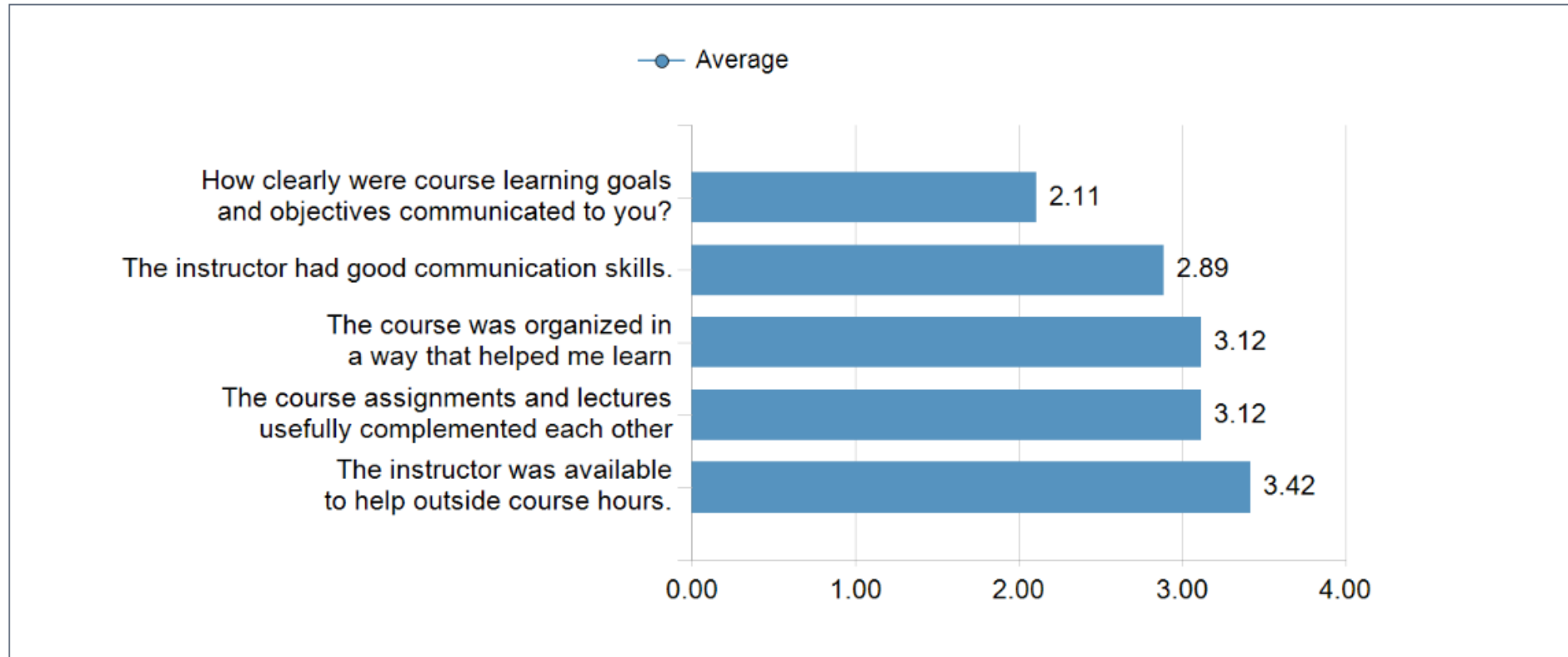


Enrollment_Status	Count	Percentage
Dropped	9	47.37%
Enrolled	10	52.63%



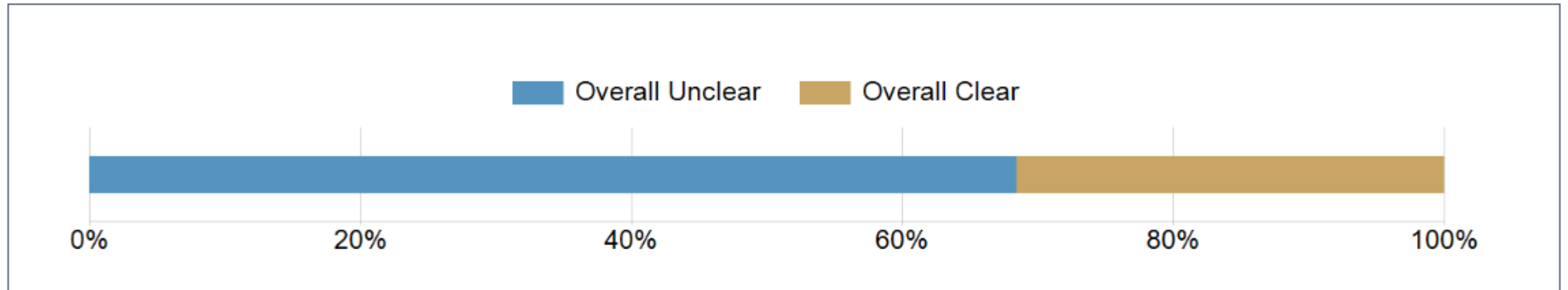
# Steps: Core questions analysis

## Summary



# Steps: Isolating an area of improvement

How clearly were course learning goals and objectives communicated to you?

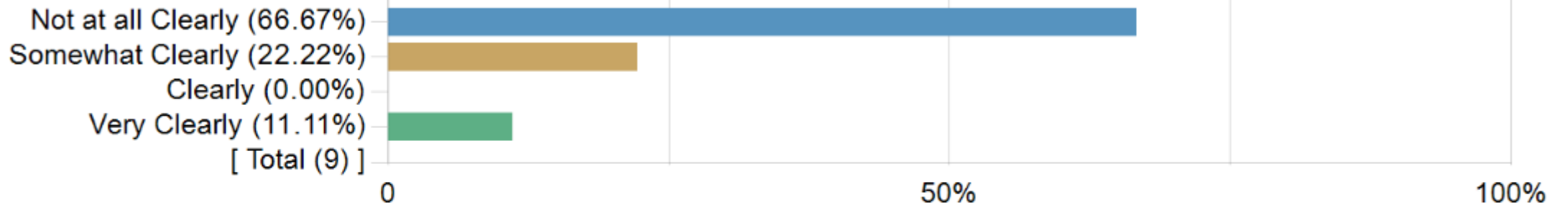


Question	Overall Unclear	Overall Clear
How clearly were course learning goals and objectives communicated to you?	68.42%	31.58%

# Steps: Drill down by dropped/enrolled value

How clearly were course learning goals and objectives communicated to you?

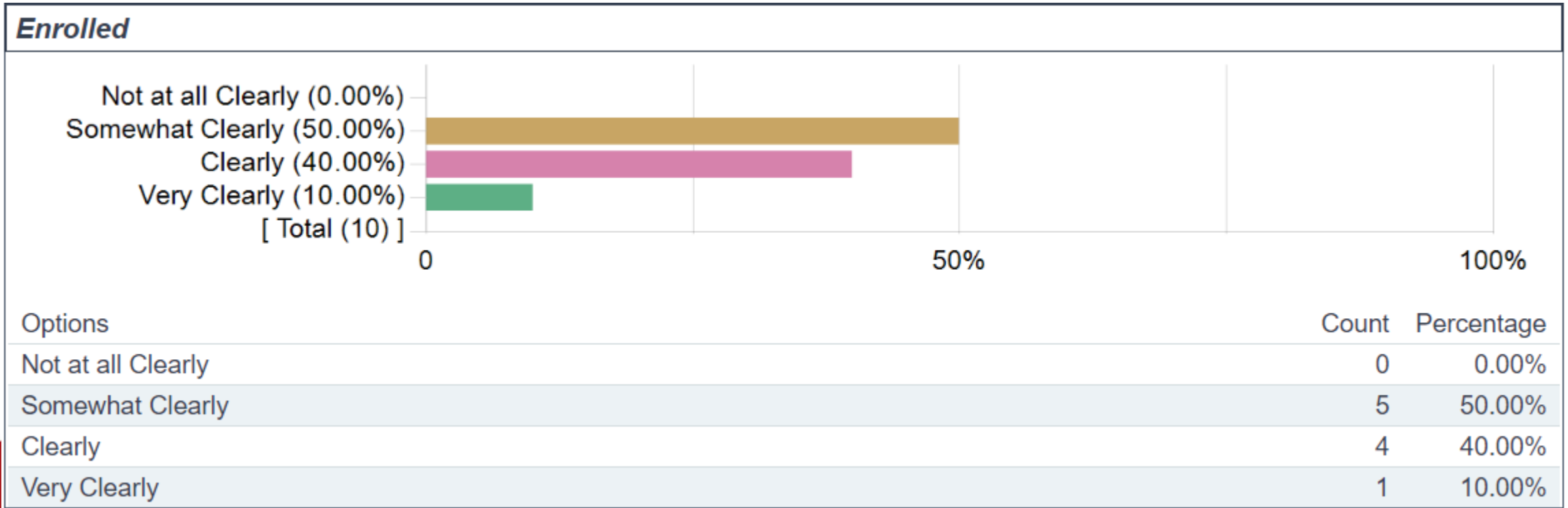
## Dropped



Options	Count	Percentage
Not at all Clearly	6	66.67%
Somewhat Clearly	2	22.22%
Clearly	0	0.00%
Very Clearly	1	11.11%

# Step: Drill down by dropped/enrolled value

How clearly were course learning goals and objectives communicated to you?





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# Teaching Assignment Data

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# Scenario

- **Leveraging teaching roles to:**
  - Trigger different questions in the evaluation (e.g. Instructor & TA)
  - Allow students to select their instructors with minimum and maximum values for each role type



# Scenario

- **Displaying the day/time of the Instructor/TA lecture in your evaluation**



# Scenario



- **Updating your relational demographic information from Record Management**



# Assumptions



- **Teaching assignment data is available**

# Assumptions

- The project has different set of questions for each teaching role



## Questions Evaluating Instructor: Mandy Bush

The instructor was effective in communicating the content of the course.

The instructor was responsive to student concerns.

## Questions Evaluating TA: Bernard Baker

The TA communicates with students and responds to inquiries or comments in a clear and effective manner.

The TA is able to maintain an atmosphere that is conducive to working and learning.

# Assumptions



- **Secondary Subject Selection is only needed once in your evaluation**

**Please select your Instructor:**

Annette Fong



Kent Knightley

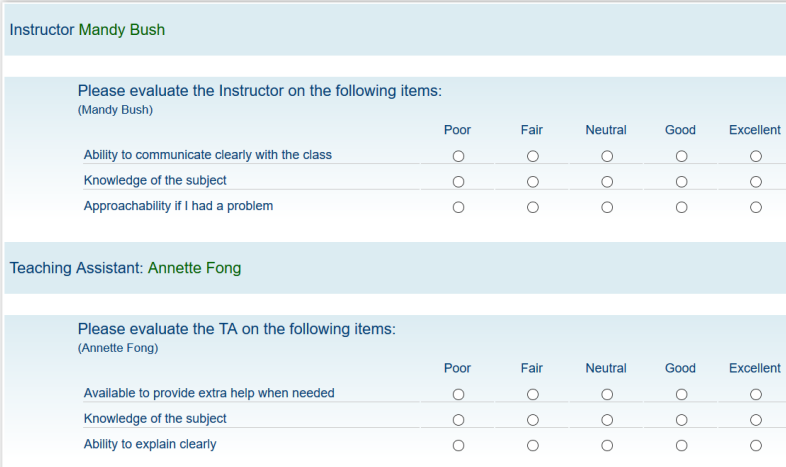
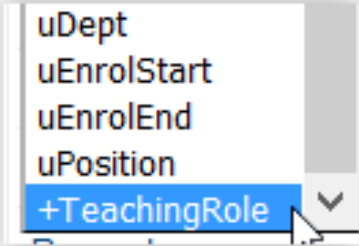


# Steps: Add demographic details to the Course-Instructor relationship file

Course ID	Instructor ID	Teaching Role	Lecture Schedule	Teaching Hours
101815-8504-Summer	afong	TA	Tuesday 9-10AM	35
101815-8504-Summer	kknightley	TA	Tuesday 9-10AM	30
101815-8504-Summer	mbush	Instructor	Tuesday 9-10AM	30
101815-8504-Summer	pholly	Instructor	Tuesday 9-10AM	30
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# Steps: Trigger different questions in the evaluation

- Create a trigger using the Secondary Subject Field as the Trigger Condition Type.
- Select the required TeachingRole title used (e.g. Instructor or TA) and set the trigger action to display the appropriate questions.



The screenshot shows two evaluation forms. The first is for Instructor Mandy Bush, and the second is for Teaching Assistant Annette Fong. Both forms have a 5-point Likert scale (Poor, Fair, Neutral, Good, Excellent) and three evaluation items.

	Poor	Fair	Neutral	Good	Excellent
Please evaluate the Instructor on the following items: (Mandy Bush)					
Ability to communicate clearly with the class	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Knowledge of the subject	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Approachability if I had a problem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Poor	Fair	Neutral	Good	Excellent
Please evaluate the TA on the following items: (Annette Fong)					
Available to provide extra help when needed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Knowledge of the subject	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ability to explain clearly	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# Steps: Secondary Subject Selection

- Enable Secondary Subject Selection in the project
- Enable the teaching roles for selection and set thresholds

**Secondary Subject Grouping**

All secondary subjects are selectable by default. Add groupings to specify which subsets are available for selection, once groupings are created, all other secondary subjects will be preselected.

Group secondary subjects where the relationship demographic field  is equal to

Item	Min	Max	
Teaching_Role is 'TA'	<input type="text"/>	<input type="text" value="2"/>	<input type="button" value="Remove"/>

Hide this section when only pre-selected secondary subjects are available.

Note: If there are not enough secondary subjects to meet the minimum threshold, the minimum threshold will be ignored.

# Steps: Secondary Subject Selection

## *Scenario 1: Students select and evaluate members from multiple teaching groups*

Add all relevant teaching groups to the Secondary Subject Grouping area and set any required thresholds per group.

**Result:** Students can select members of both the instructor and teaching assistant groups.

**Please select the Instructors and Teaching Assistants you would like to evaluate:**

Annette Fong



Kent Knightley



Mandy Bush



Philippe Holly



# Steps: Secondary Subject Selection

## *Scenario 2: Students only select and evaluate from optional teaching groups*

- Configure only the optional groups in the Secondary Subject Grouping area.

**Result:** All instructors are automatically selected; students select only the TAs.

! At least 1 TA(s) must be selected.

? Please select the Instructors and Teaching Assistants you would like to evaluate:

Annette Fong (TA)



Kent Knightley (TA)



Mandy Bush (Teacher)



Philippe Holly (Teacher)





# Steps: Displaying the day/time of lecture in your evaluation

Course ID	Instructor ID	Teaching Role	Lecture Schedule	Teaching Hours
101815-8504-Summer	afong	TA	Tuesday 9-10AM	35
101815-8504-Summer	kknightley	TA	Tuesday 9-10AM	30
101815-8504-Summer	mbush	Instructor	Tuesday 9-10AM	30
101815-8504-Summer	pholly	Instructor	Tuesday 9-10AM	30
102033-1041-Summer	bbaker	Instructor	Wednesday 2-3PM	30
201821-6540-Summer	afong	Instructor	Friday 3-4PM	20
201821-6540-Summer	kknightley	Instructor	Friday 3-4PM	30
201821-6540-Summer	mbush	TA	Friday 3-4PM	20
201821-6540-Summer	pholly	TA	Friday 3-4PM	30
202047-7051-Summer	jscott	Instructor	Monday 10-11AM	35
202702-6437-Summer	jscott	Instructor	Monday 10-11AM	35

# Steps: Add a field mapping based on the course-instructor relationship data

Questions evaluating the Course [S\$NAME]	Single Selection Table
Questions Evaluating Instructor: [C\$FN] [C\$LN] <b>Lecture day and time: [C+\$SCHEDULE]</b>	Single Selection Table

Questions Evaluating Instructor: **Mandy Bush**  
Lecture day and time: **Monday 10-11AM**

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
The instructor was effective in communicating the content of the course.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The instructor was responsive to student concerns.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The instructor helped create an atmosphere that kept me engaged in course content.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The instructor treated students with respect.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The instructor was well-prepared for class.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Overall, this instructor was an effective teacher.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# Steps: Validate your relational demographics in Record Management

The screenshot displays the Explorance Record Management interface. On the left is a navigation sidebar with options: Home, Dashboards, DIG Projects, Projects, Reports, Question Bank, Record Mgmt (highlighted with a red box), and Help. The main content area is titled 'Record Management' and includes a 'Record Management' tab and an 'Opt-Out Management' tab. A search filter is visible with 'Datasource' set to 'EG Course-Instructor' (highlighted with a red box). Below the filter are three rows of search criteria, each with a 'Source' dropdown, a 'Contains' dropdown, and an input field. A 'Filter' button is located to the right of these rows. Below the filter, a table shows 'Results: 1 - 10 of 56 Item(s)' with a column header 'Source' and three rows of data, each containing the value '101815-8504-Summer'. A red arrow points from the 'EG Course-Instructor' dropdown to a 'Details' panel on the right. The 'Details' panel contains several fields: 'Source' (101815-8504-Summer), 'Target' (pholly), 'User Role' (empty), 'Teaching\_Role' (TA), 'Teaching\_Hours' (30), and 'Lecture\_Schedule' (Tuesday 9-10AM). Red stars are next to the 'Source' and 'Target' fields. At the bottom right of the details panel, there are 'Apply Changes' and 'Close' buttons, both highlighted with red boxes.



# Steps: Create a filter in your report based on instructor role

## My Reports

Editing: Bluenotes- Report Workshop- Individual Report

Report Shortcuts ▾

Info Content **Filters** Subjects Viewers Access Project Mapping Distribution Language Publish

Questions Raters Subject **Secondary Subject** Date Threshold

Selection List

+Teaching\_Role ▾ Contains ▾ TA

Given name ▾ Contains ▾

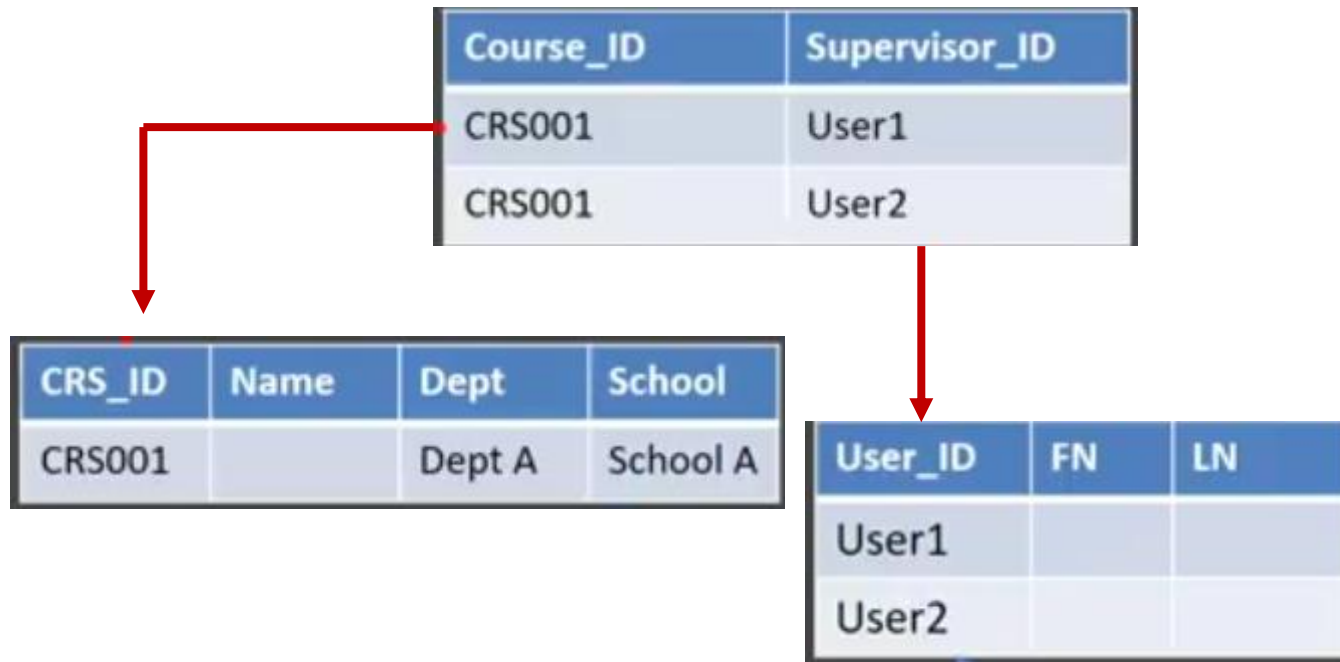
Given name ▾ Contains ▾ **Filter**

Results: 1 - 5 of 5 Item(s)

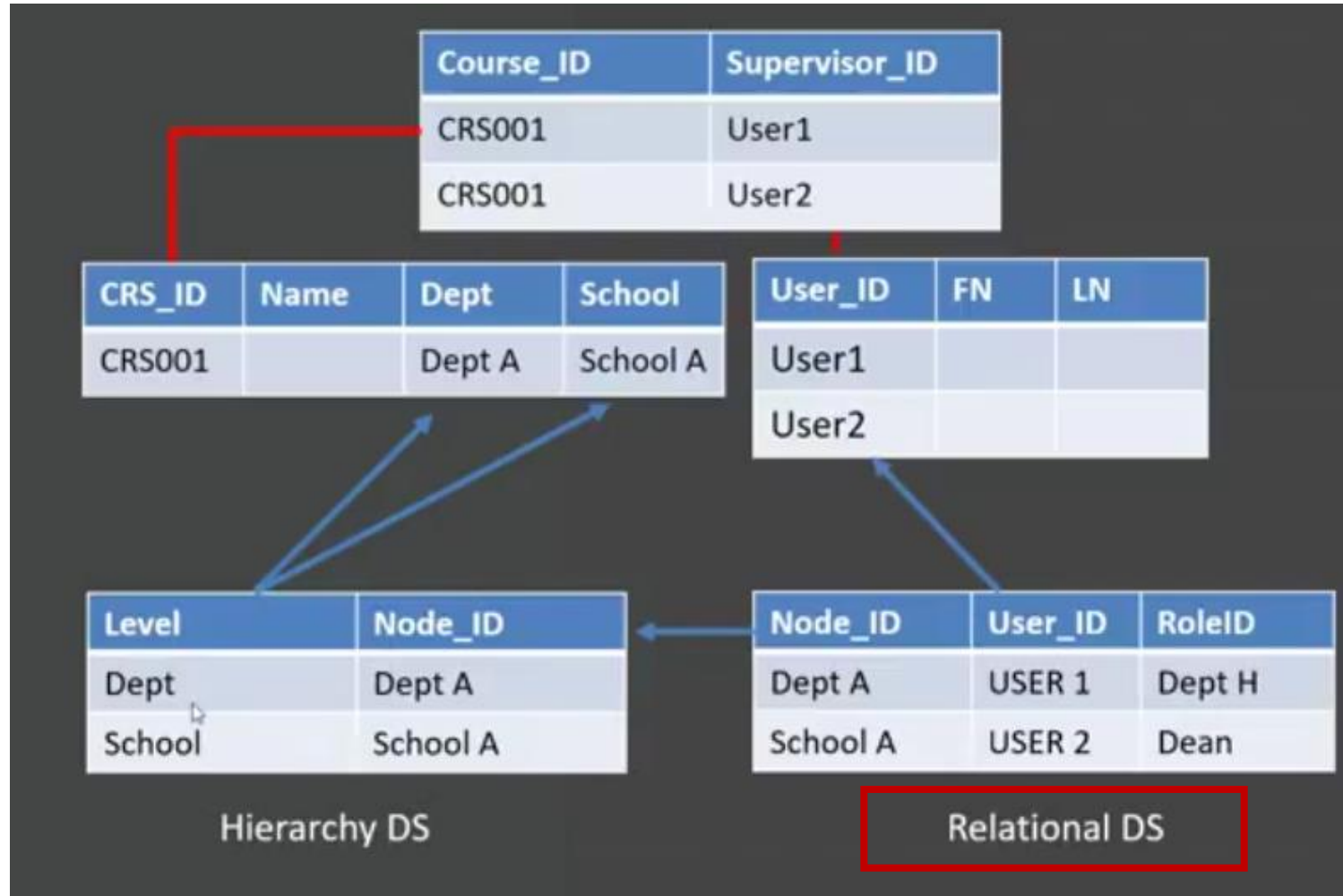
Given name	Last Name ▲	Teaching_Role
Bernard	Baker	TA
Mandy	Bush	TA
Annette	Fong	TA
Philipe	Holly	TA
Kent	Knightley	TA

**Apply Filter** **Cancel**

# Relational demographics for Dynamic Report Viewing access



# Relational demographics for Dynamic Report Viewing access



# Summary

- **Relational demographics opened up the possibility of adding demographics that describe the user interaction with the course.**
- **Other scenarios where you can leverage the use of relational demographics:**
  - Allowing certain roles to have different privileges in your project (e.g. only instructors can do Question Personalization and Subject View Management).
  - Creating reports based on the information in your relationship data.



# Help Center Resources

- [Blue 7 Features Overview](#)
- [Webinar: Relational Demographics & Dynamic Report Viewer Access](#)
- [How-to Set Up Secondary Subject Grouping](#)



# Recommendations

- **Think of your data structure preparation/analysis ahead of time**
- **Do not forget to import your data with the correct “Data Type” (e.g. string or integer)**
- **Enter information that students will recognize and understand in your relational demographics**



# Take away

Create it, capture it, pipe it and analyze it!

*Think of your data structure.*

*What can you capture in each experience?*

*Use your data to display/pipe information in your forms.*

*Analyze your data with reporting.*



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# Thank you!

- Questions?

