

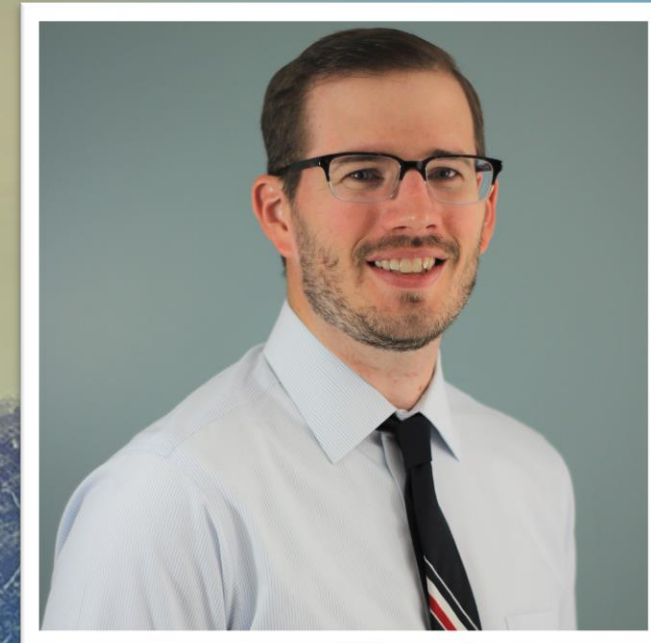
**UF**

# Mining Course Evaluation Text Analytics to Develop Strategies that Increase Teaching Effectiveness

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## Research Questions/Goals

- How can student free text comments be utilized to develop strategies to increase teaching effectiveness?
- How can Center for Teaching Excellence develop workshops around common themes for departments/colleges derived from student feedback

## Data Set

- GatorEvals Spring 2020 to Fall 2020 (free response questions 14 and 15).
- 152,852 comments Spring 2020
- 49,628 comments Summer 2020
- 201,245 comments Fall 2020

## Free Text Questions

1. What additional constructive feedback can you offer the instructor that might help improve the course?
2. What constructive suggestion(s) do you have for improving the course materials, organization, and assignments?

## Process

1. Viewed Spring 2020 to Fall 2020 Individual Instructor Aggregated Report
2. In “Subjects” tab, “Subject Details”, selected College and Department
3. On “Publish” tab, select “Export responses”

## Data Set

- GatorEvals Spring 2020 to Fall 2020

## Process Part 2

1. Open files and combine in Excel.
2. Delete all unnecessary columns.
3. Add Instructor email, First Name/Last Name to new sheet.
4. Remove
5. Initial Python script kept ~95,000 out of ~350,000 comments.

## Data Set

- GatorEvals Spring 2020 to Fall 2020

# Lecture Videos



## Videos Are Too Long



### Example

Instructor uploads a 1–3-hour lecture video covering several topics in one course module. Students may need to review just one topic contained within the video.



### Action Item

Faculty can label lecture videos in Mediasite using “Chapter Titles” to correspond to specific topics.



### Benefit

Students can reference specific topical videos in areas they need additional support.



Smaller, bite-sized videos would be easier to digest



# Lecture Videos



## Q&A



### Example

Students during live lecture ask questions related to a specific topic and some questions might be referenced during office hours or via email.



### Action Item

Faculty can post answers to common lecture FAQs to a Discussion Board or Canvas page on a given topic. Faculty can also send a Canvas Announcement to notify students of additional information.



### Benefit

Students can access answers to common questions in a consistent location to reduce confusion and limit emails to faculty.



I know office hours are helpful, but I would suggest adding a class discussion board to Canvas so we can see if our questions have already been asked, to save everyone time.



# Assessments



## Exams



### Example

Major concepts on homework and practice exams were not consistently styled or formatted.



### Action Item

Practice exams and assessments to reflect content taught in course and format of major assessments.



### Benefit

Students become familiar with material covered and exam format.



None of the homework, quizzes, and assignments mirrored the difficulty and content from exams.





# Assessments



## Guidelines & Rubrics



### Example

Graded assignments often require rubrics to ensure students can successfully complete assignment.



### Action Item

Instructor to communicate expectations using detailed guidelines and rubrics for graded assessments (e.g. TILT model).



### Benefit

Students can reference these materials to ensure they successfully meet instructor expectations. Increases objectivity in grading and helps to eliminate bias.



Professor does not provide assignment details or rubrics for students to refer to when completing assignments.



# Discussions



## Guidelines & Rubrics

### Example

Students were unsure of discussion requirements as due dates, length, and response time were not provided.

Unclear or missing rubric prevented students from successful completion.

### Action Item

- Instructor to communicate expectations using detailed guidelines and rubrics for discussion board.
- Instructor refers to assigned rubrics when delivering feedback on quality of student posts.

### Benefit

Students can reference these materials to ensure they successfully meet instructor expectations.



I wish there were more clear expectations and grading criteria on the discussion posts.



# Discussions



## Due Dates



### Example

In some cases, faculty may need to gauge students' prior knowledge of material. However, lengthier discussion posts may require students to engage with course material and lectures prior to posting in the discussion board.



### Action Item

- Give students adequate time to familiarize themselves with topic/content prior before contributing to discussion post.
- Create discussion posts as graded or non-graded assignments in Canvas. Prompt students to complete them by posting an announcement, adding to calendar, or creating to do task.



### Benefit

Students can engage in richer dialogue in discussion threads. Students will be more likely to participate in a timely manner.



I did not like that I did discussion posts about a topic and then would learn the information it was about in class the following day.



# Assignments



## Deadlines



### Example

Students notice multiple due dates from prior Canvas course offerings within assignment guidelines for current term.



### Action Item

Instructor to ensure all deadlines are updated and consistent when copied over from prior Canvas courses.



### Benefit

Students are aware of due dates and reduce confusion.



Better course organization is needed, especially with assignment deadline and exam scheduling.



# Assignments



## Expectations



### Example

Students looked for examples of what an appropriate deliverable should include when completing assignment.



### Action Item

Instructor to provide model examples when communicating expectations for upcoming assignments/projects.



### Benefit

Students can reference these materials to ensure they successfully meet instructor expectations.



Assignment instructions were frequently confusion and lacked necessary guidelines.

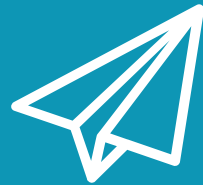


# Key Takeaways

Consistency



Share  
Results



Faculty Buy-In



# Q&A

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