## **BlueML**

## **The Present & The Future**

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# Agenda





- Why BlueML
- The Present
- Demo
- The Future





## Why BlueML







## Why BlueML?

- Current process can be cumbersome & extremely time consuming
- Many analysis solutions use general models, treat comments as a one size fits all
- More than reporting, an interactive "comment-first" analytics tool, BlueML dashboard
- Most institutions have a considerable amount of unstructured data gathered through course evaluations and other student surveys







## **BlueMLVS BTA?**

### - Blue Text Analytics (BTA) allows

- Student feedback categorization
- Pattern recognition
- Sentiment recognition
- Visualization







## **Why BlueML**

## **How is BlueML different?**

- Purpose built models, with real comments. - Continuously evolving

SLC SLC SLC SLC SLC SLC SLC Student Learning Categorization	EEC Experience Categorization
Quality/delivery	Workload
Engagement	Work-life balance
Readings	Job security
Labs	Work at home
Tutorials/workshops	Discrimination
Difficulty	Diversity





ELC

Employee Learning Categorization

Instructor

**Class-participation** 

Learning activities

**Training material** 

Expectations/objectives

Software



## Why BlueML

### **Student Learning Categorization Topics**

COURSE COMPONENT- elements used to refer to a student's plan of study. This section contains topics such as assessment & evaluation, course material & structure, and practical learning.

EXTRACURRICULAR ACTIVITIES - activities pursued in addition to the normal course of study. This section contains topics such as campus life and student voice.

LEARNING ENVIRONMENT - the diverse physical locations, contexts, and cultures in which students learn. This section contains topics such as classes, learning atmosphere, learning communities, other resources, and technology.

LEARNING OUTCOMES - Statements that describe the knowledge or skills students should acquire by the end of a particular assignment, class, course, or program. This section contains additional topics such as career / employment, knowledge, and skills.

MISCELLANEOUS - topics not included in other sections relating to student learning such as academic support, commute / transportation, expenses / fees, etc.

**OTHER ELEMENT** - Statements related to unspecified or unidentified persons or things.

PERSONS - individuals who provide instruction to students. This section contains topics such as advisors / counselors, guest, lab technician, professor / instructor, staff general, TA / tutor, unspecified person.

TEACHING COMPONENT - elements used to refer to aspects of providing instruction to students. This section contains topics such as communications, teaching delivery, teaching methods, teaching style.

ATTRIBUTES - Refers to a quality or an aspect that describes a person, thing, group, etc. This section contains 34 attributes such as agreeableness / approachability, availability, clarity, etc. that help further categorize topics.









## **How is BlueML different?**

- Unearthing nuances, such as
  - Emotion
  - Recommendations







The web development assignment was anjoyable. however introducing it in week 11 during exampreparation meant I couldn't invest as much time in it as would like. Highly advise continuing the assignment in the future but enabling students to work on it beginning week 1 when there is more time to work on it. The workshops however were challenging "

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### What are the most **popular** topics?

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Which comments have **recommendations**?

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### What are the most **positive** topics?

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What does a segment of my audience think?

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What are areas to **improve**?

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## **The Present**







## The present

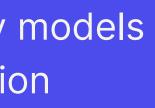
## **ML Dashboard 1.5**

- Mixed sentiment type to Polarity models
- Left menu for enhanced navigation
- Alerts model Beta\*
- Exportable comments
  - Categorized, analyzed but not categorized, and recommendations

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## **The Future**







## **The Future**

## Insights & Visualizations

- Trend widgets visualize improvement over time
- Breakdown demographic widget Make use of rich demographics
- Dedicated Recommended Topics
  Widget

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### Integrations & Models

SSO Support
 Integration with MTM Dashboard & DE
 Redaction model



## Thank you!





