# PROJECT WHOOPPEE & PANOPTO

Engaging Students Through Technology
Symposium 2015

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## Introduction

- Wharton Online Ordinal Peer Performance Evaluation Engine (WHOOPPEE)
  - History
- Panopto....



## Whooppee: Goals

- Goals:
  - Better learning outcomes
  - More efficient/transparent grading process
  - More collaborative involvement with the course
  - A chance to "practice what we preach"



#### **WHOOPPEE: Process**

- Students upload papers through Canvas assignment
- Each paper is randomly assigned to 5 others for ranking
- Each reviewer gives unique ranks (1-5) for their set of papers
- WHOOPPEE algorithm accounts for different strength of each set
- Grader reliability is a function of their own score
- "Gold Standard" reviews
  - Faculty and TA team ranked several batches of 5 as well



## **WHOOPEE Algorithm**

- Algorithm was fine-tuned and tested over both assignments
  - But basic specification was the same for both
- Strong statistical support for differential weights (based on grader's own paper quality)
- Gold Standard reviews have weights equal to that of the best overall student for each assignment



#### **WHOOPEE** Results

- No grades were changed from the algorithm
  - All outliers were explainable
  - Detailed information on algorithm and specific scores provided to students
  - General belief that WHOOPPEE grades were more valid than in previous years using traditional grading
- Student Survey (N=87):
  - 50.5% were confident their work was accurately assessed
  - 93% felt peer review improved their understanding of concepts
    - 46% significantly improved

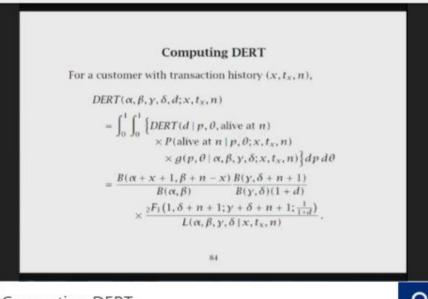


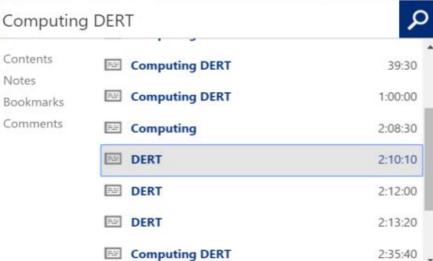
## **Head's Up Learning**

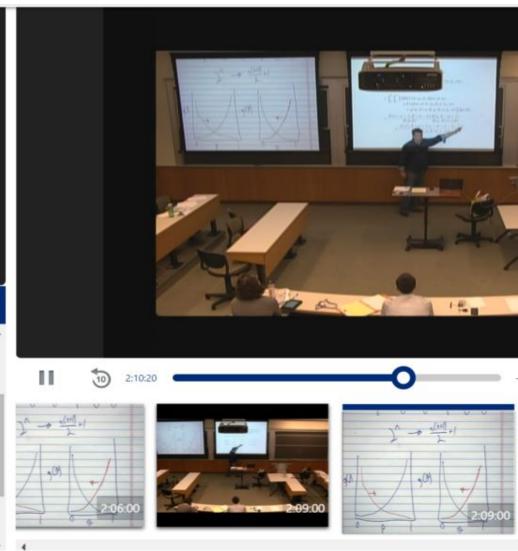
- Encourage Class Participation instead of Note Taking
- Classroom recordings immediately available to students for review
- Capture all elements of class: lecture, practical application (Excel) and ad-hoc examples (document camera instead of caulk board)
- all elements are searchable within a class and across all classes of a course



# **Class Capture and Contextual Search**

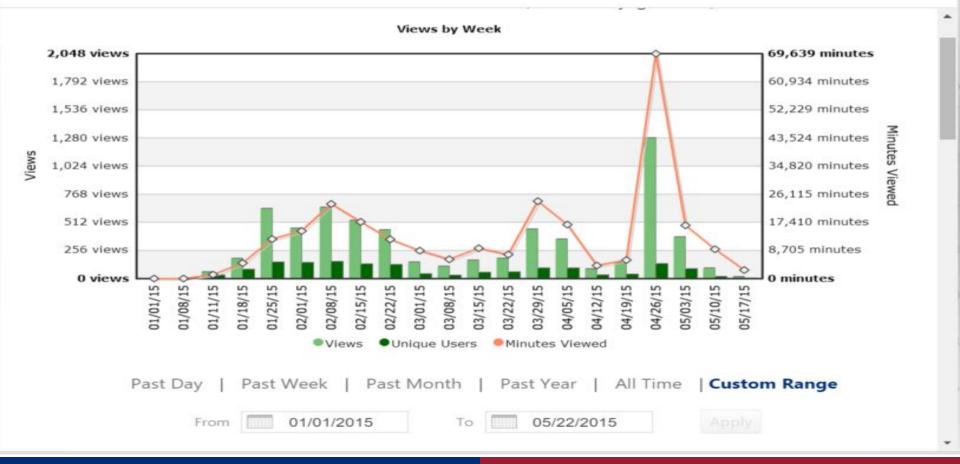






## How and When Class Recordings are Consumed

Folder stats: MKTG/STAT 476 & MKTG 776 (Prof. Fader) -Spring 2015



### **Students Will Invest Time Outside of Class**

