

Using Streaming Media & Videoconferencing with Your Course

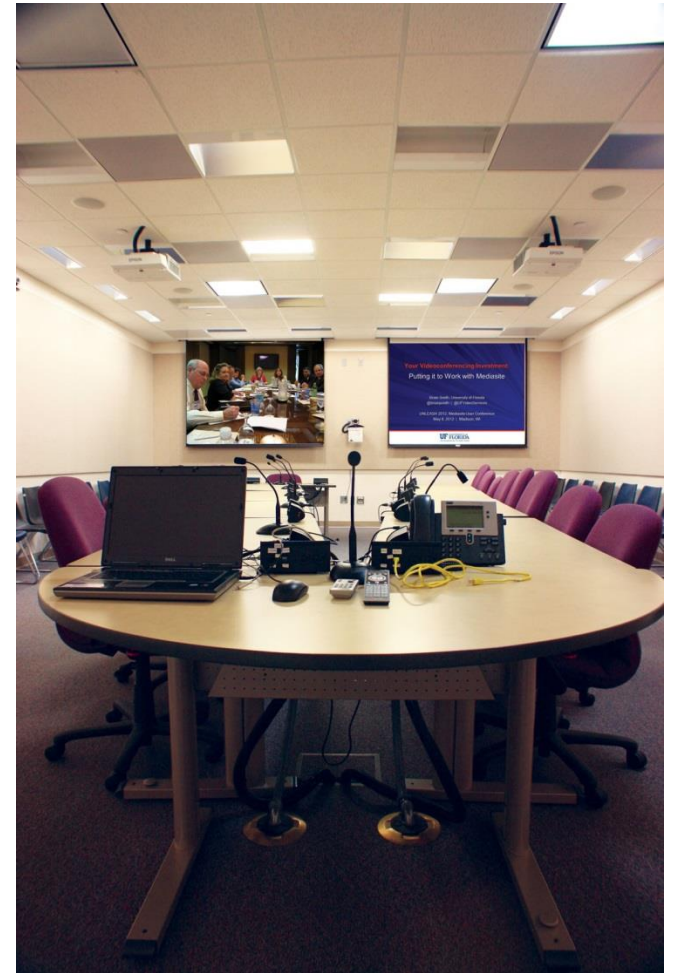
2/17/2016
Brian Smith
Abraham Turell

Classroom Tools

- Videoconferencing
 - Installed Systems
 - Software Clients (Jabber, Acano, Skype)
- Web Conferencing
 - Adobe Connect, WebEx, Big Blue Button
- Lecture Capture
 - Mediasite
 - Mediasite Desktop Recorder
 - TechSmith Relay (formerly Camtasia Relay)

Videoconferencing

- ▶ Point-to-Point vs. Multi-point
- ▶ Installed Systems
 - Polycom, Lifesize, etc.
- ▶ Software Clients
 - Acano, Jabber, Skype
- ▶ Can Record to Mediasite



Web Conferencing

- ▶ Synchronous Collaboration
- ▶ Adobe Connect
- ▶ WebEx
- ▶ Big Blue Button

The screenshot shows a web conferencing window titled "UW Colleges EGR 282MEC 201 - SP08 | Connect Pro Meeting". The main content is a whiteboard with handwritten physics equations and diagrams. On the left, there is a vertical sidebar with an "Attendee List" showing "Christa James-d" and "aaron gorman", and a "Camera and Voice" section with a video feed of Christa James-d. At the bottom, there is a "Chat" window with messages from "tami", "Christa James-d", and "aaron gorman".

The whiteboard content includes:

- A coordinate system diagram with x and y axes. A force vector F is shown in the second quadrant. The weight $W = 20 \text{ kg}(9.81) = 196.2 \text{ N}$ is indicated.
- Equations for force components: $F_{0A} = -F_{0A} \hat{j}$, $F_{0B} = -F_{0B} \hat{i}$, $F_{0C} = F_{0C} (\cos \theta) = F_{0C} \left(\frac{F_{0C}}{r} \right) = F_{0C} \left(\frac{6\hat{i} + 14\hat{j} + 12\hat{k}}{\sqrt{6^2 + 14^2 + 12^2}} \right)$.
- A note: $\sum F_x = 0$.
- A note: $\sum F_y = 0 = -F_{0A} + 3/7 F_{0C}$, with $F_{0A} = 65.4 \text{ N}$.
- A note: $\sum F_z = 0 = \frac{6}{7} F_{0C} - 196.2 \text{ N} \rightarrow F_{0C} = 228.9 \text{ N}$.
- A note: $\sum F_{0B} = 0 = -F_{0B} + 9/7 F_{0C}$, with $F_{0B} = 98.1 \text{ N}$.
- A note: $\sum F_{0B} = kS$, $65.4 \text{ N} = 3000 \text{ N/m} (l - 2)$, $l = 2.218$, $S = 2.218$.

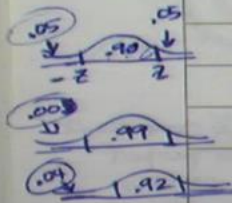
Lecture Capture

- ▶ Download vs. Streaming
 - Mediasite Catalog and Player
 - Vodcast
- ▶ Canvas Integration
- ▶ Cloud Solutions
 - YouTube, Vimeo, etc.

Mediasite

Confidence intervals are of the form estimate \pm margin of error

- In this case, the estimator of p is \hat{p} .
- The margin of error depends on two things: the confidence level we want, and the standard error of our estimator.
- For any level of confidence that you want, you can find a value z in the z table, that will tell you how many standard deviations you need to go left and right of \hat{p} .
- Typically, confidence levels are at least 90% -- most common are 90%, 95%, and 99%.
- Complete the table below.



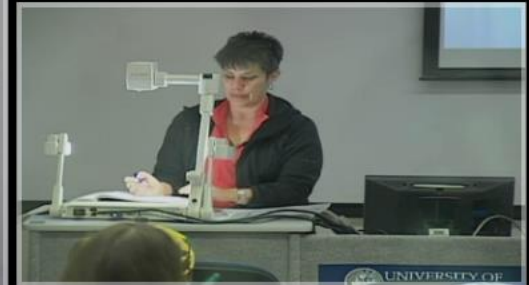
Confidence Level	Tail Area	z
90%	.05	<u>\pm 1.645</u>
95%	.025	1.96
99%	.005	2.58
92%	<u>.04</u>	<u>1.75</u>
97%		

Confidence Interval for a Population Proportion


For a representative sample (SRS), the confidence interval for p is:

$$\hat{p} \pm z^* \sqrt{\frac{\hat{p}(1-\hat{p})}{n}}$$

when you have at least $n(1-\hat{p}) \geq 15$




Canvas Integration



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STA2023 Catalog

MediasiteAdmin ▾

STA2023 - Spring 2015 [Q](#) [?](#)

Edit

Sort By Date: new..old, (Not Filtered) ▾ 1 - 26 of 26

Presentation Title	Presenter	Air Date	Air Time	Duration
STA2023_3/16/2015	• Maria Ripol	Monday, March 16, 2015	11:45 AM EDT	48 Minutes 57 Seconds
STA2023_3/13/2015	• Maria Ripol	Friday, March 13, 2015	11:45 AM EDT	48 Minutes 7 Seconds
STA2023_3/11/2015	• Maria Ripol	Wednesday, March 11, 2015	11:45 AM EDT	49 Minutes 32 Seconds
STA2023_3/9/2015	• Maria Ripol	Monday, March 09, 2015	11:45 AM EDT	50 Minutes 32 Seconds
STA2023_2/27/2015	• Maria Ripol	Friday, February 27, 2015	11:45 AM EST	53 Minutes 18 Seconds
STA2023_2/25/2015	• Maria Ripol	Wednesday, February 25, 2015	11:45 AM EST	48 Minutes 14 Seconds
STA2023_2/23/2015	• Maria Ripol	Monday, February 23, 2015	11:45 AM EST	51 Minutes 14 Seconds
STA2023_2/20/2015	• Maria Ripol	Friday, February 20, 2015	11:45 AM EST	50 Minutes 37 Seconds
STA2023_2/18/2015	• Maria Ripol	Wednesday, February 18, 2015	11:45 AM EST	51 Minutes 2 Seconds
STA2023_2/16/2015	• Maria Ripol	Monday, February 16, 2015	11:45 AM EST	48 Minutes 56 Seconds
STA2023_2/13/2015	• Maria Ripol	Friday, February 13, 2015	11:45 AM EST	48 Minutes 54 Seconds
STA2023_2/11/2015	• Maria Ripol	Wednesday, February 11, 2015	11:45 AM EST	50 Minutes 32 Seconds
STA2023_2/9/2015	• Maria Ripol	Monday, February 09, 2015	11:45 AM EST	51 Minutes 42 Seconds
STA2023_2/6/2015	• Maria Ripol	Friday, February 06, 2015	11:45 AM EST	50 Minutes 49 Seconds
STA2023_2/4/2015	• Maria Ripol	Wednesday, February 04, 2015	11:45 AM EST	48 Minutes 57 Seconds
STA2023_2/2/2015	• Maria Ripol	Monday, February 02, 2015	11:45 AM EST	50 Minutes 29 Seconds
STA2023_1/30/2015	• Maria Ripol	Friday, January 30, 2015	11:45 AM EST	48 Minutes 22 Seconds
STA2023_1/28/2015	• Maria Ripol	Wednesday, January 28, 2015	11:45 AM EST	48 Minutes 50 Seconds
STA2023_1/26/2015	• Maria Ripol	Monday, January 26, 2015	11:45 AM EST	40 Minutes 33 Seconds
STA2023_1/23/2015	• Maria Ripol	Friday, January 23, 2015	11:45 AM EST	48 Minutes 42 Seconds
STA2023_1/21/2015	• Maria Ripol	Wednesday, January 21, 2015	11:45 AM EST	48 Minutes 12 Seconds
STA2023_1/16/2015	• Maria Ripol	Friday, January 16, 2015	11:45 AM EST	47 Minutes 44 Seconds
STA2023_1/14/2015	• Maria Ripol	Wednesday, January 14, 2015	11:45 AM EST	52 Minutes 45 Seconds
STA2023_1/12/2015	• Maria Ripol	Monday, January 12, 2015	11:45 AM EST	39 Minutes 56 Seconds
STA2023_01/09/2015	• Maria Ripol	Friday, January 09, 2015	11:45 AM EST	46 Minutes 38 Seconds
STA2023_01/07/2015	• Maria Ripol	Wednesday, January 07, 2015	11:40 AM EST	45 Minutes 16 Seconds

Automated Mediasite Recording

- ▶ Bartram 211
- ▶ Carlton 100
- ▶ CLB 130
- ▶ CSE A101
- ▶ Flint 0050
- ▶ Florida Gym 210
- ▶ Florida Gym 245
- ▶ Florida Gym 265
- ▶ Leigh 207
- ▶ McCarty A G186
- ▶ McCarty C100
- ▶ New Physics Bldg 1001
- ▶ Newins-Ziegler 222
- ▶ Norman 137
- ▶ Pugh 170
- ▶ Turlington L007
- ▶ Turlington L011
- ▶ Weimer 1064



Request Recording at:
<http://video.ufl.edu>

CITT Video Studios

- ▶ The CITT Studios are equipped with the following:
 - Mediasite
 - Green Screen
 - Teleprompter
 - Smart Podium
 - Document Camera



For More Information:

<http://citt.ufl.edu>

TechSmith Relay

- ▶ Formerly known as Camtasia Relay
- ▶ Self-Service Recording Option
- ▶ Publishes to Mediasite
- ▶ Available in All Classrooms
 - And as download for personal computers

Demo

MyMediasite

- ▶ Self-Service Recording & Editing
 - Desktop Recorder
 - Multi-Format Video Upload
 - Editor
 - Analytics

Demo:

<http://mediasite.video.ufl.edu/mediasite/mymediasite>

More Information

- ▶ Contact Video & Collaboration Services
 - <http://video.ufl.edu>
 - video@ufl.edu
 - 392-HELP (392-4357)