

Using Technology for STATS 412 with Dr. Miller – Fall 2019

Revised for Poll Everywhere Use (9/6/19)

My sections of STATS 412 are taught with what is called a HyFlex model for teaching. HyFlex is short for “hybrid-flexible.” What this means to me is that, as the student, you have a choice about how you attend lecture on a daily basis. There are two options for attending lecture as laid out below.

Options for Attending Lecture (choice can be made daily):

- **Face-to-face** in our regular lecture room (1400 CHEM or UMMA AUD, depending on your section) at our regular lecture time (depends on your section).
- **Online via streaming technology** at our regular lecture time (see details below in the “Expectations” section).
- Lecture recordings for each day will be automatically posted to the Canvas site by the Lecture Capture system after the end of class. (It takes a little bit of time to render and post.) The recordings will be available for a limited time (approximately 48 hours) after each lecture. This temporary availability of recordings is based on past experience with and research on the availability of recordings in STATS 412.
- **Note:** If you are enrolled in one of my two sections of the course, you may attend either class meeting (8:30am or 2:30pm) any day that we have lecture. The exception is that you must attend the section you are enrolled in for exams.

Attending Online via Streaming Technology:


1. Enter our Canvas course and click on “Remote Streaming Links” on the Home page.

Statistics 412 Fall 2019

Introduction to Probability and Statistics

Section 002: Meets Mondays and Wednesdays 2:30-3:50pm in 1400 Chemistry

Section 003: Meets Mondays and Wednesdays from 8:30-9:50am in UMMA AUD

The syllabus for the class can be found at this [link](#) .





Most items for the course can be found under the Files tab in the navigation pane to the left.

To attend the synchronous live stream for a class meeting, go to [Remote Streaming Links](#).

2. Once you click on “Remote Streaming Links,” you will see the following window:

Remote Streaming Links

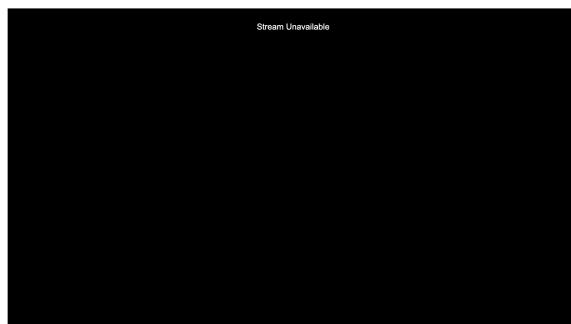
Here are the links to remotely stream STATS 412 during lecture meetings. If you are streaming remotely, make sure that you select the correct section for the links to that section's stream. There are two links for each section, one with reduced latency and the other with standard latency. Please try both links for your section to get a sense for the latency that is best for you to view and participate in class. The option that works from one location may be different from the option that works for another location, so remember to check the other stream if you have an issue with the first stream you try.

- Section 002 (MoWe 2:30-3:50pm in 1400 CHEM)
 - Reduced Latency (10-15 seconds): <https://player.cloud.wowza.com/hosted/4lk0bdf/player.html> 
 - Standard Latency (30-60 seconds): <https://player.cloud.wowza.com/hosted/ygijvcff/player.html> 
- Section 003 (MoWe 8:30-9:50am in UMMA AUD)
 - Reduced Latency (10-15 seconds): <https://player.cloud.wowza.com/hosted/ygijvcff/player.html> 
 - Standard Latency (30-60 seconds): <https://player.cloud.wowza.com/hosted/fjhvbpkv/player.html> 

There are two links for each lecture section, one with reduced latency and the other with standard latency. The reduced-latency stream may not play properly on slower network connections, so I suggest that you try out both streams to determine which is best for you to attend class remotely. Click on the link that for a remote stream that is associated with the class meeting you are attending.

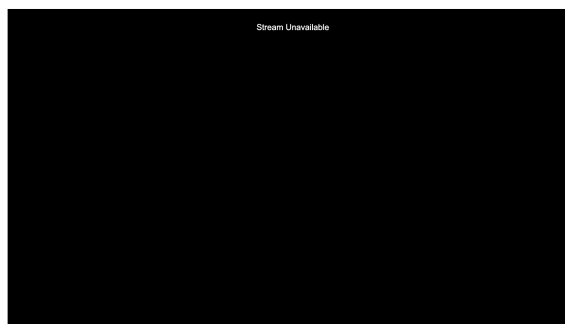
3. If the stream has not yet begun, you will see one of the following (if the stream has begun, you will see lecture):

STATS 412.002 F19 - Reduced Latency



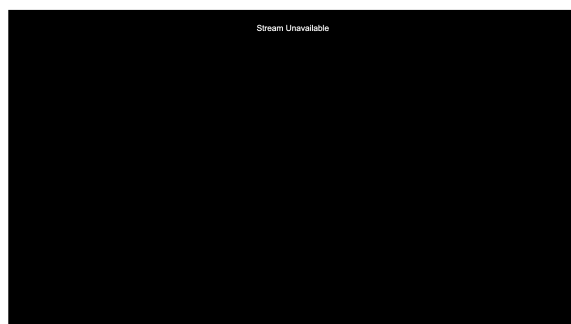
The stream will run Monday & Wednesday, 2:30-3:50pm. This is a reduced-latency stream that may not play properly on slower network connections. If you have trouble viewing the stream during these times, please try refreshing the page. If you continue to experience issues, try the standard latency stream at <https://player.cloud.wowza.com/hosted/ygivgcff/player.html>

STATS 412.002 - Standard Latency (30-60 seconds)



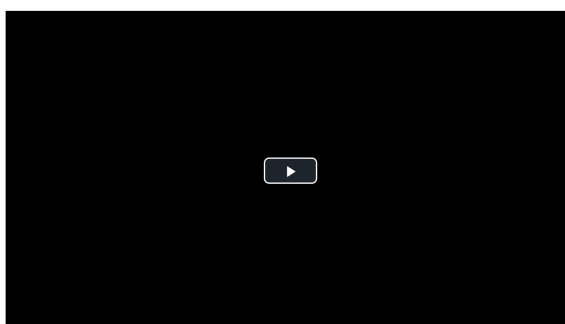
The stream will run Monday and Wednesday, 2:30-3:50pm. If you have trouble viewing the stream during these times, please try refreshing the page.

STATS 412.003 F19 - Reduced Latency



The stream will run Monday & Wednesday, 8:30-9:50am. This is a reduced-latency stream that may not play properly on slower network connections. If you have trouble viewing the stream during these times, please try refreshing the page. If you continue to experience issues, try the standard latency stream at <https://player.cloud.wowza.com/hosted/fjhvbpkv/player.html>

STATS 412.003 - Standard Latency (30-60 seconds)



The stream will run Monday & Wednesday, 8:30-9:50am. If you have trouble viewing the stream during these times, please try refreshing the page.

You may also go directly to the streaming page by going directly to

- Section 002 (MoWe 2:30-3:50pm in 1400 CHEM):
 - <https://player.cloud.wowza.com/hosted/4lk0dbbf/player.html> (reduced latency)
 - <https://player.cloud.wowza.com/hosted/ygivgcff/player.html> (standard latency)
- Section 003 (MoWe 8:30-9:50am in UMMA AUD)
 - <https://player.cloud.wowza.com/hosted/8j7gpbfm/player.html> (reduced latency)
 - <https://player.cloud.wowza.com/hosted/fjhvbpkv/player.html> (standard latency)

Note: In the unlikely event that the stream does not work during a particular class meeting, please watch the recording that will be posted on Canvas. This has only happened 2-3 times in 8 years of teaching with the HyFlex model, so I don't expect it to happen, but it's always best to have a "Plan B."

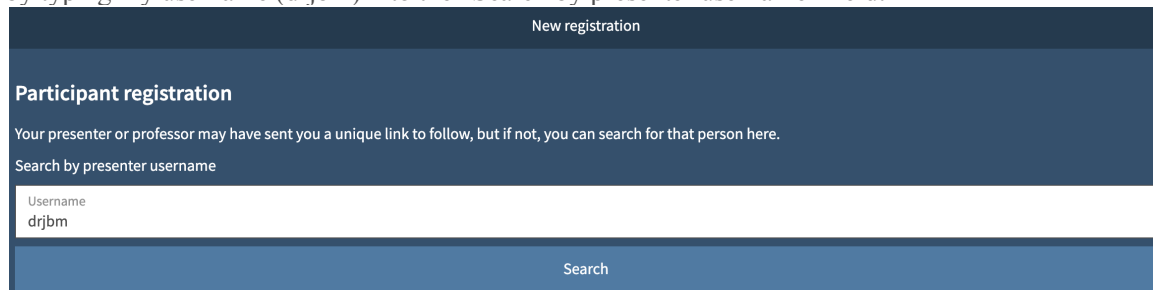
Backchannel:

Use the backchannel to submit a question at any time during the lecture period. The question will be viewed by Dr. Miller and responded to accordingly. View other students' questions/comments during the lecture; feel free to respond to questions on your own. I hope that the backchannel allows us the opportunity to create community among those in the class, regardless of how you choose to attend lecture.

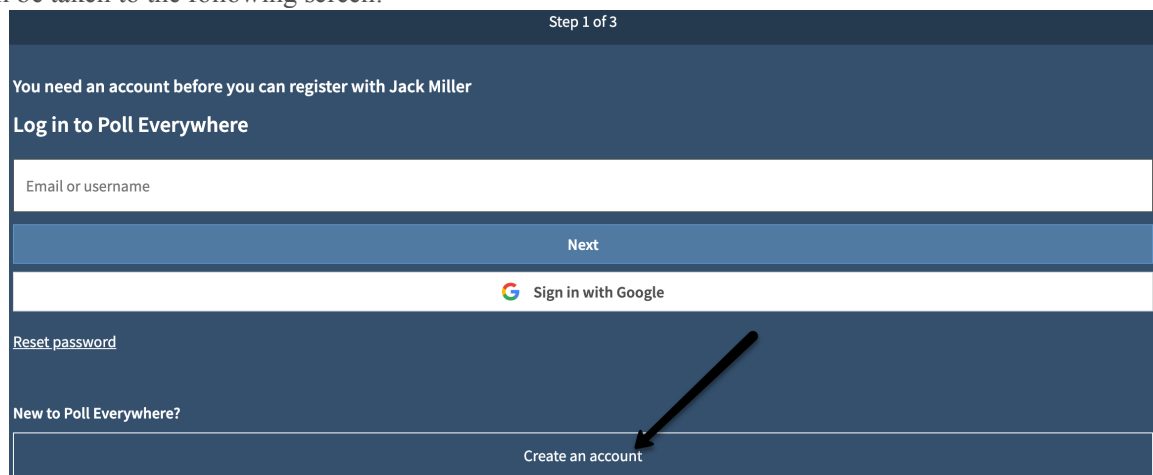
We will use Poll Everywhere in lecture for the backchannel. See "Using Poll Everywhere" below for more details on the backchannel.

Register with Poll Everywhere (free):


Please go to <https://pollev.com/register> to register to my account. By registering with my account, I will be able to view your email address and see your responses to polls (unless the poll is clearly marked as anonymous). You can find my account by typing my username (drjbm) into the “Search by presenter username” field:



You will be taken to the following screen:

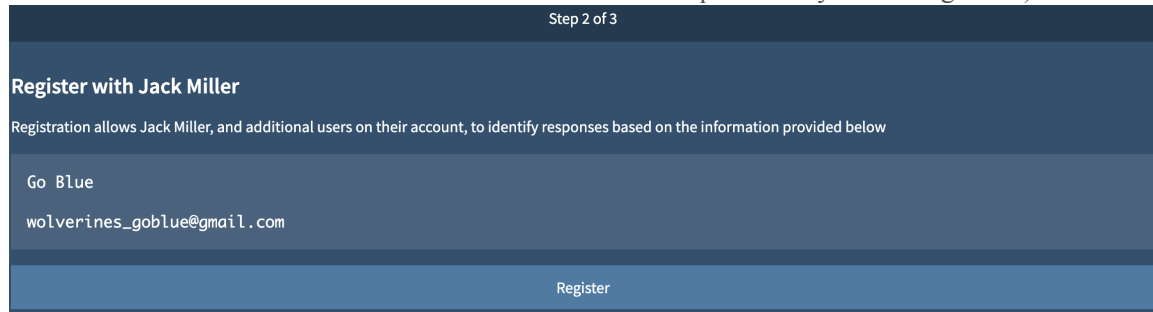


If you have used Poll Everywhere before, you should know how to log in. If you are new to Poll Everywhere, click on “Create an account.” You will then see the following:



Please fill in your first and last name, your UMich email, and create a password. Make sure to check the box about reading and agreeing with Poll Everywhere's terms and conditions. (Your information is protected, and Poll Everywhere will never share emails or phone numbers with any third party.)

Once you have completed the screen above, you will see a screen that looks like the following. Here, "Go Blue" is the name of this fictional student, and wolverines_goblu@gmail.com is their fictional email address. (And I really hope that is not a valid Gmail address because I don't mean for them to be spammed by something I did!)



Step 2 of 3

Register with Jack Miller

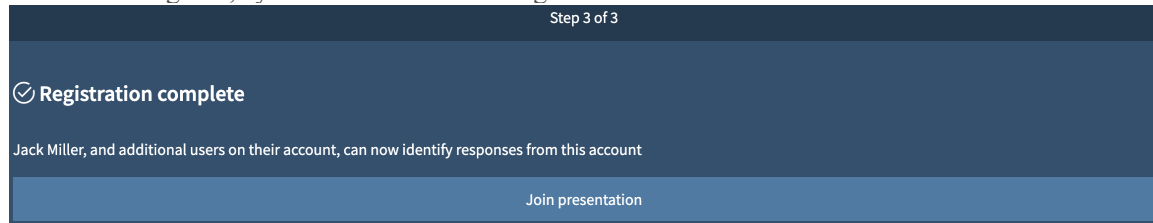
Registration allows Jack Miller, and additional users on their account, to identify responses based on the information provided below

Go Blue

wolverines_goblu@gmail.com

Register

Once you click on "Register," you will see the following:



Step 3 of 3

✓ **Registration complete**

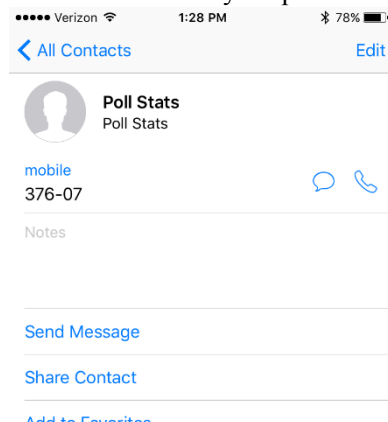
Jack Miller, and additional users on their account, can now identify responses from this account

Join presentation

You can now begin using Poll Everywhere. If you have any questions, please visit the Poll Everywhere User Guide (<https://www.polleverywhere.com/guides/student/getting-started>).

Participate with Poll Everywhere (free):

- **Note:** You must create an account and register your phone number before you participate!
- Create a contact in your phone called Poll Stats, with the number 37607:



- The backchannel is an aspect that is unique to our HyFlex lecture model.
 - If you are attending via streaming technology, you can have another tab/window open in your browser. Make sure to log in to your Poll Everywhere account before you respond. You can type your comments directly in the poll response box (the following image is from a previous term).

drjbm's presentation

Responding as Go B.

What questions do you have during lecture today (Monday, September 9)?

You have not responded

Enter a response

Submit

No responses submitted yet.

- If you are attending lecture in person, you can raise your hand to ask a question, of course (and you are encouraged to do so). However, if you are more comfortable, you may text the code for the day's backchannel (here it is **BC0909A**) and your question to Poll Stats (37607). Note that the code for the backchannel will always be **BCmmddA** or **BCmmddP**, where mmdd represents the two-digit month and two-digit day of the class meeting and **A** represents the 8:30AM section and **P** represents the 2:30PM section.

Respond at **PollEv.com/drjbm**
 Text **BC0909A** and your message to **37607**

What questions do you have during lecture today (Monday, September 9)?

"I love using the backchannel to ask questions even when I attend lecture remotely!"
 2019-09-06T12:39:38-04:00

SMS and Data Cost Disclaimer:

You are encouraged to participate in this course by responding to polls or asking questions via Poll Everywhere. To participate via texting, messaging rates may apply if you do not have an unlimited texting plan. To participate via web, data rates may apply if you use your carrier's network and you do not have an unlimited data plan. You assume any and all text/data costs. If you have trouble connecting to Michigan's wireless network, visit <http://its.umich.edu/computing/wifi-network/wifi>.

- Poll Everywhere will only be monitored during class meetings (MoWe 8:30-9:50am and 2:30-3:50pm). Class discussions outside of class meeting times need to be posted on Piazza—see the syllabus for information about Piazza.

Expectations of Students with Respect to Technology:

- Log in to Canvas at least three times a week to check announcements and the schedule (it's good to get into the habit of checking Canvas daily for each of your courses).
- Participate in lecture (e.g., ask questions via Poll Everywhere) regardless of whether you attend face-to-face or via streaming technology. (Participation in Poll Everywhere is optional, and no credit in the course is based on Poll Everywhere participation.)
- If you attend lecture via streaming technology, make sure that your technology is updated and ready for each lecture (log in 5-10 minutes early to check updates and connections).
 - Note: Public Wi-Fi connections sometimes may not support the bandwidth necessary for streaming technology. Also, headphones may be handy to more effectively listen to lecture.

- If you attend lecture via streaming technology, add the following bookmarks:
 - Section 002 (MoWe 2:30-3:50pm in 1400 CHEM):
 - <https://player.cloud.wowza.com/hosted/4lk0bdbf/player.html> (reduced latency)
 - <https://player.cloud.wowza.com/hosted/ygjvgcff/player.html> (standard latency)
 - Section 003 (MoWe 8:30-9:50am in UMMA AUD)
 - <https://player.cloud.wowza.com/hosted/8j7gpbfm/player.html> (reduced latency)
 - <https://player.cloud.wowza.com/hosted/fjhvbpkv/player.html> (standard latency)
- If you attend lecture via streaming technology, once you enter the streaming technology room, all you need to do is wait for the streaming to begin.
 - There is about a 10-15 second difference between the reduced-latency stream (a 30-60 second difference between the standard stream) and “real life,” so you will experience the lecture with a little bit of lag. However, this will not be noticeable unless you are attending in person and also have the streaming page open.
- Be respectful of your peers and the instructor regardless of whether you attend face-to-face or via streaming technology.
- Having non-course-content-related technology issues?
 - If you ever have a problem, one surefire thing that almost always works is to try another browser.
 - For Poll Everywhere, you might find your answer at <https://www.poll Everywhere.com/guides/student/getting-started>.
 - For Canvas, visit <https://community.canvaslms.com/welcome>.
 - In general, email 4help@umich.edu or call 734-764-HELP (4357).