



DIGITAL AGE

A C A D E M Y

Welcome to the Fall 2020 semester!

Fall 2020

Mini-Courses

Mini-Projects

Sept 21 – Dec 18



Statistics & Probability



Productivity & Collaborative Tools



Problem Solving & Information Research



Entertainment Analytics



Finance



Data Analysis in Python

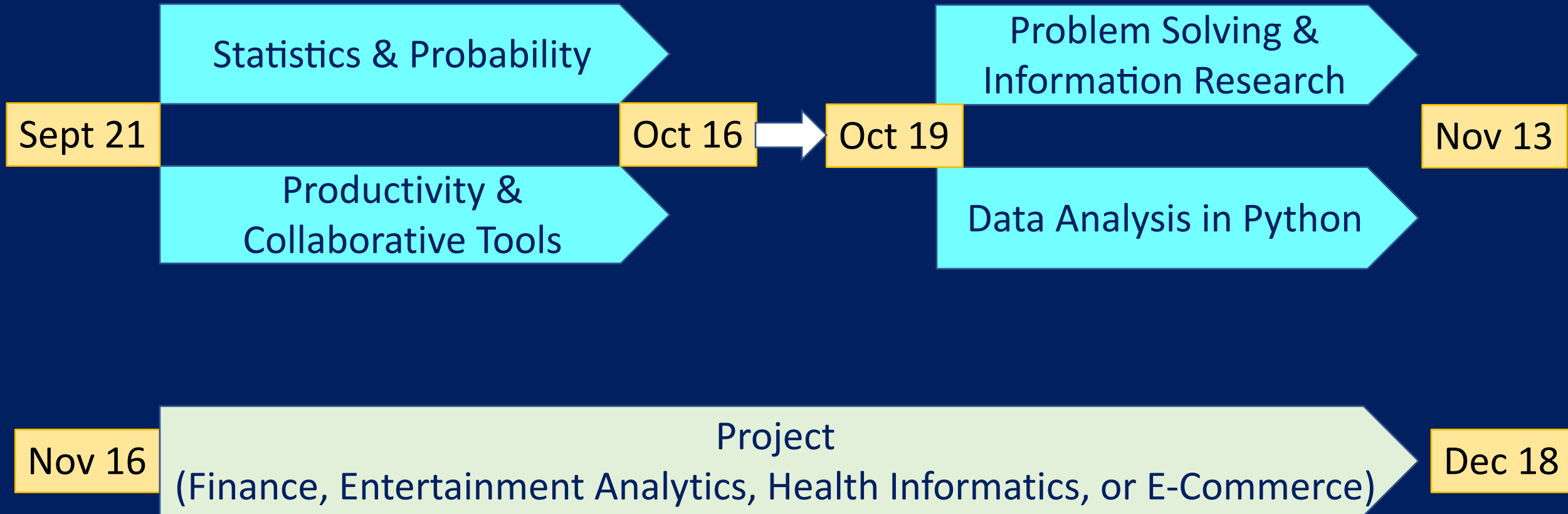


Health Informatics



E-Commerce

Timeline



⁴Course Instructors



Productivity & Collaborative Tools

Dr. Christopher Britt

- PhD in Physics
- Education and Outreach Scientist, Space Telescope Science Institute

Statistics & Probability

Dr. Azadeh Keivani

- DAA Director
- PhD in Physics
- Astrophysicist
- Lecturer in the Discipline





Problem Solving & Information Research

Dr. Ali Mostashari

- PhD in Complex Systems/Technology Management and Policy
- CEO of Lifenome
- Member, World Economic Forum Futures Council

Data Analysis in Python

Dr. Mohsen Arabgol

- PhD in Physics
- Data Scientist at CDPHP
- Artificial Intelligence Expert





Computer Technology (E-Commerce) Project

Dr. Gordana Tešić

- PhD in Physics
- Data Scientist at Shopify
- Artificial Intelligence Expert
- Developer Analytics Expert

Entertainment Analytics Project

Mr. Alejandro Rojas

- MBA from MIT
- Director of Applied Analytics, Parrot Analytics
- Data Scientist
- Co-founder and Board Member at TrixandTrax





Finance Project

Dr. Ashkan Balouchi

- PhD in Physics
- Vice President at Citigroup
- Data Scientist
- Artificial Intelligence Expert

Health Informatics Project

Dr. Ali Mostashari

- PhD in Complex Systems/
Technology Management and Policy
- CEO of Lifenome
- Member, World Economic Forum Futures Council



8 What to Do Each Course Week?

On your own before class:

- Watch lecture videos
- Work on assignments/activities

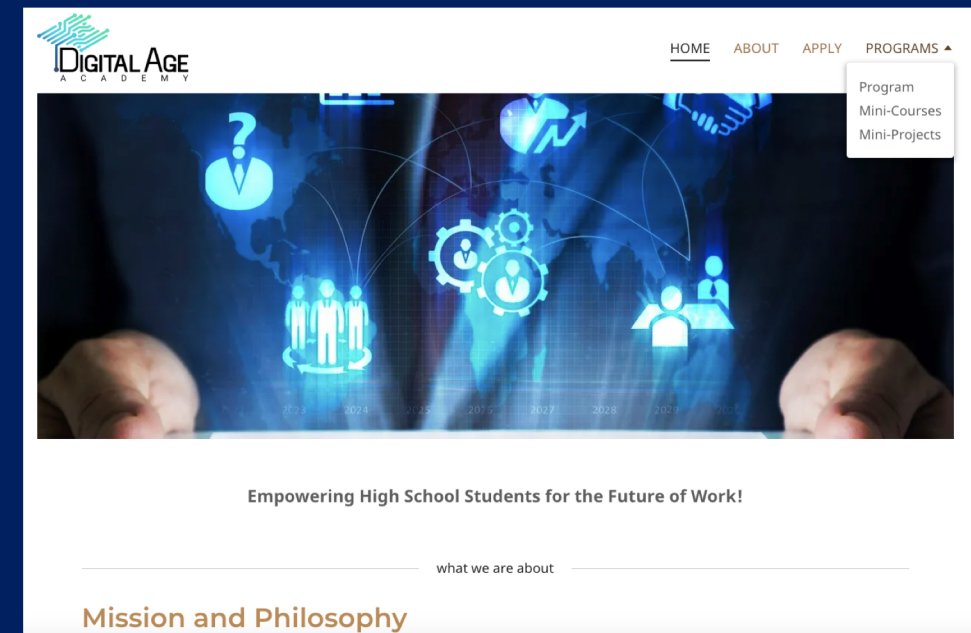
½-1 hour per course per week

In Zoom class:

- Q&A: ask questions from your instructor
- Group activities

½-1 hour per course per week

Find everything on digitalage.academy website!
Course pages are private! Join with your accounts!



The screenshot shows the Digital Age Academy website homepage. At the top left is the logo. The navigation menu includes HOME, ABOUT, APPLY, and PROGRAMS. A dropdown menu for PROGRAMS lists Program, Mini-Courses, and Mini-Projects. The main banner features a blue-toned image with icons for a question mark, a person, gears, and a group of people. Below the banner is the tagline "Empowering High School Students for the Future of Work!" and a link for "what we are about". At the bottom, the text "Mission and Philosophy" is visible.

9 What to Do Each Project Week?

In Zoom meeting:

- Your mentor will teach you new materials and guide you through your project!

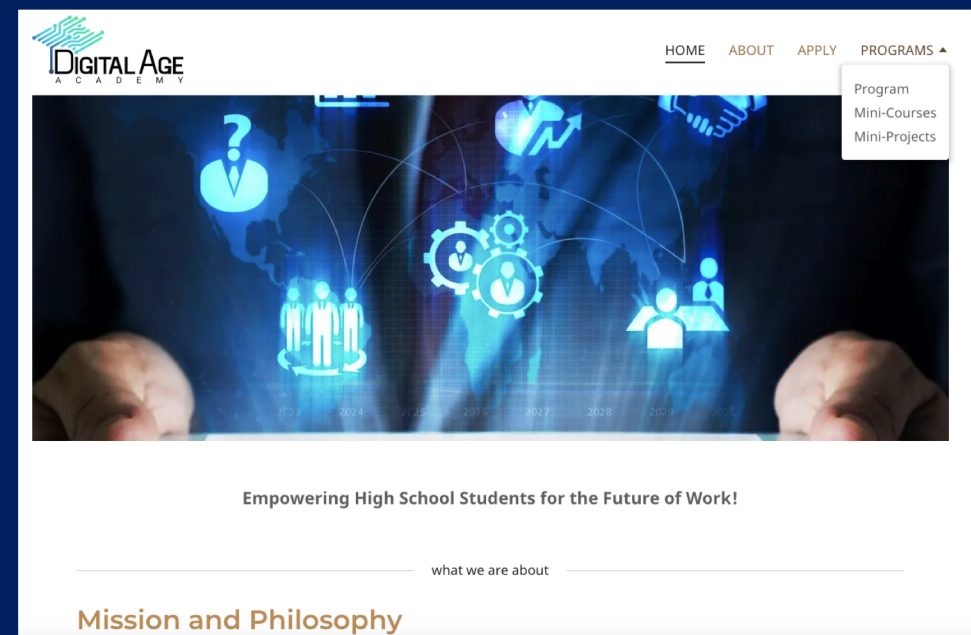
2 hours per week

With your group:

- Work on the project before meeting your mentor the following week!

2 hours per week

Find everything on digitalage.academy website!
Project pages are private! Join with your accounts!



The screenshot shows the Digital Age Academy website. At the top left is the logo. The navigation menu includes HOME, ABOUT, APPLY, and PROGRAMS. A dropdown menu for PROGRAMS lists Program, Mini-Courses, and Mini-Projects. The main banner features a blue-toned image of a world map with various icons like a question mark, gears, and people. Below the banner is the tagline "Empowering High School Students for the Future of Work!" and a link for "what we are about". At the bottom, the text "Mission and Philosophy" is visible.

Let's Focus On The First Month



Productivity & Collaborative Tools

Dr. Christopher Britt

Wednesdays, 8:00 – 9:00 pm
(Sept 21 – Oct 16)




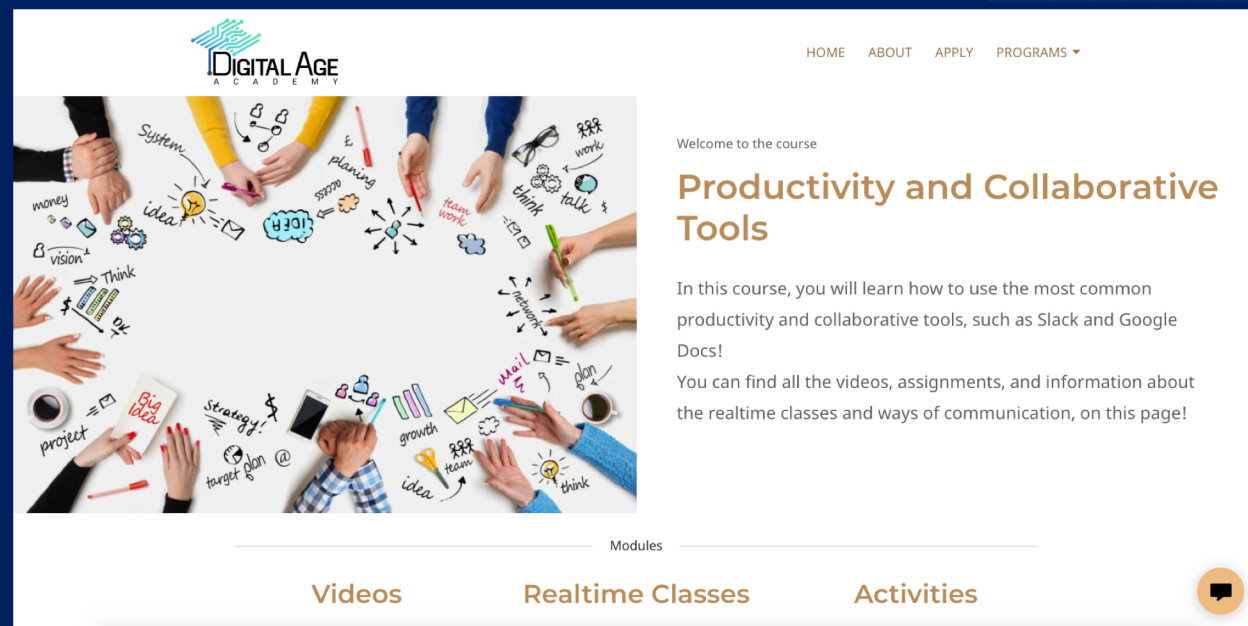
Statistics & Probability

Dr. Azadeh Keivani

Thursdays, 6:00 - 6:30 pm
(Sept 21 – Oct 16)

Productivity & Collaborative Tools

- Check out the page! 
- Attend the 1-hr realtime class on **Wednesday, Sept 23, 8-9pm.**
- Ask your questions on Slack **anytime.**



WELCOME TO THE COURSE

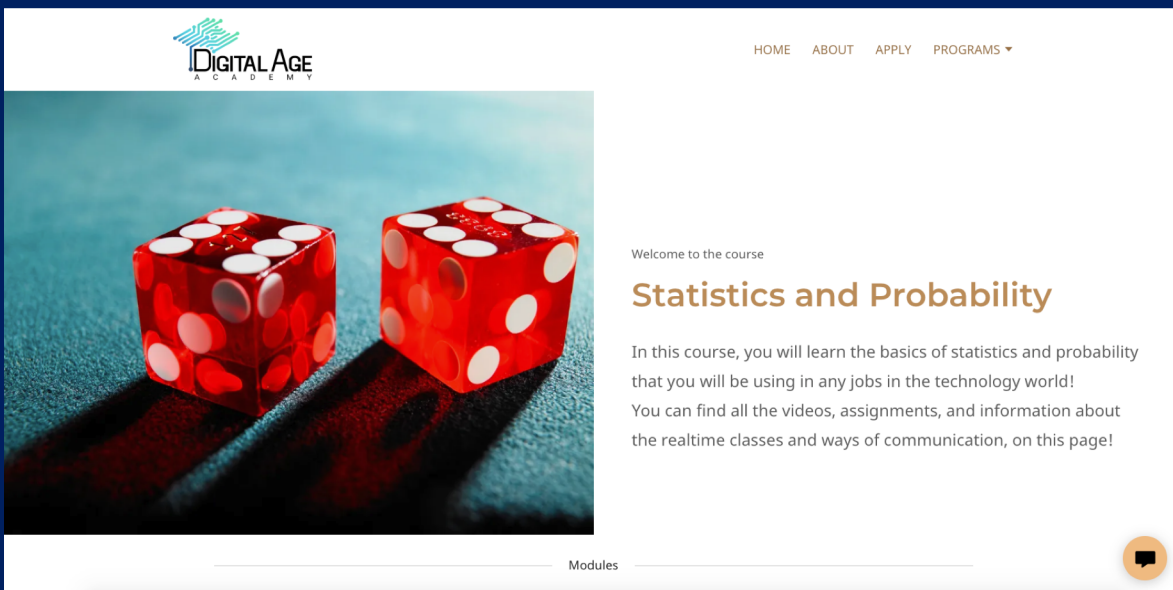
Productivity and Collaborative Tools

In this course, you will learn how to use the most common productivity and collaborative tools, such as Slack and Google Docs!

You can find all the videos, assignments, and information about the realtime classes and ways of communication, on this page!

Modules

- Videos
- Realtime Classes
- Activities



WELCOME TO THE COURSE


Statistics and Probability

In this course, you will learn the basics of statistics and probability that you will be using in any jobs in the technology world!

You can find all the videos, assignments, and information about the realtime classes and ways of communication, on this page!

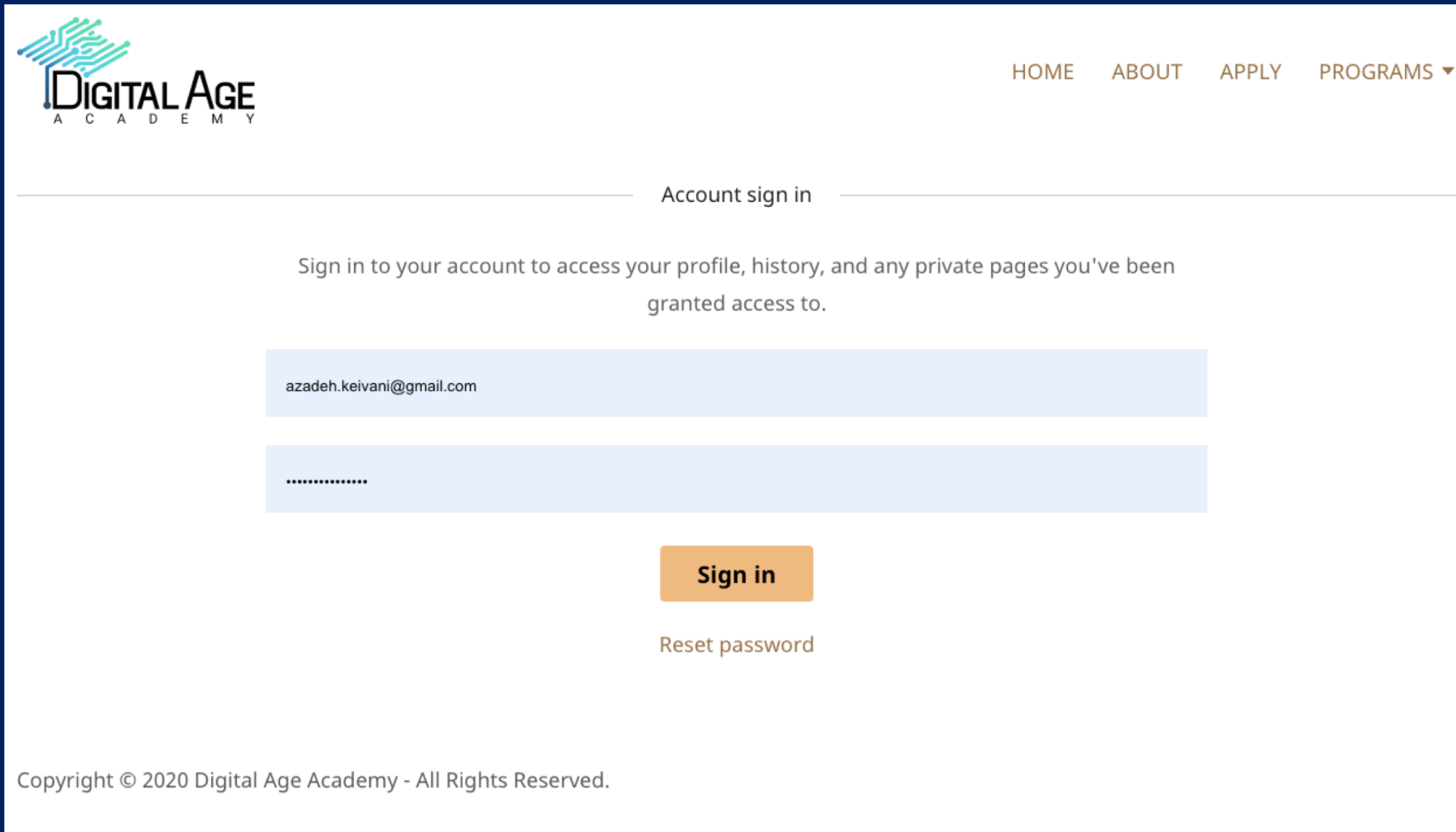
Modules


Statistics & Probability

- 
- Check out the page!
 - Watch the videos **by Thursday, Sept 24.**
 - Complete the activity **by Thursday, Sept 24.**
 - Attend the ½-hr realtime class on **Thursday, Sept 24, 6-6:30pm.**
 - Ask your questions on Slack **anytime.**

12 Accounts You Use In This Program

1. **Digital Age Academy** account to access the private pages
 - You will receive an invite by tomorrow morning!

A screenshot of the Digital Age Academy website's account sign-in page. The page has a white background with a blue header. The Digital Age Academy logo is in the top left, and navigation links for HOME, ABOUT, APPLY, and PROGRAMS are in the top right. The main content area is titled "Account sign in" and contains a message: "Sign in to your account to access your profile, history, and any private pages you've been granted access to." Below this are two input fields: the first contains the email address "azadeh.keivani@gmail.com" and the second contains a masked password ".....". A blue "Sign in" button is centered below the fields, and a "Reset password" link is positioned below the button. The footer at the bottom left reads "Copyright © 2020 Digital Age Academy - All Rights Reserved." data-bbox="145 289 846 1000"/>

 DIGITAL AGE ACADEMY

HOME ABOUT APPLY PROGRAMS ▾

Account sign in

Sign in to your account to access your profile, history, and any private pages you've been granted access to.

azadeh.keivani@gmail.com

.....

Sign in

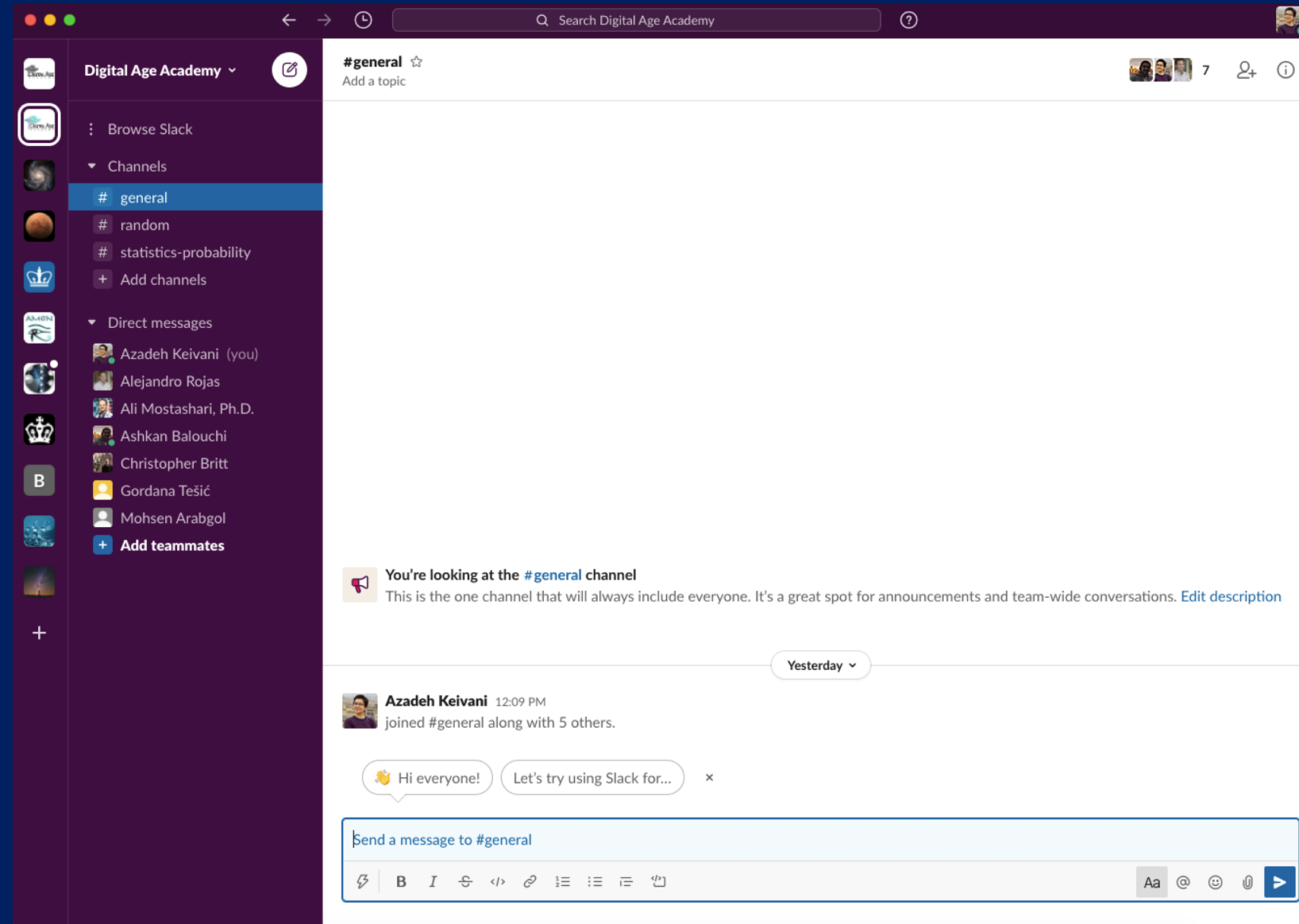
Reset password

Copyright © 2020 Digital Age Academy - All Rights Reserved.

Accounts You Use In This Program

2. Slack to communicate

- You will be added to Slack by tomorrow morning!
- We communicate with you through Slack!

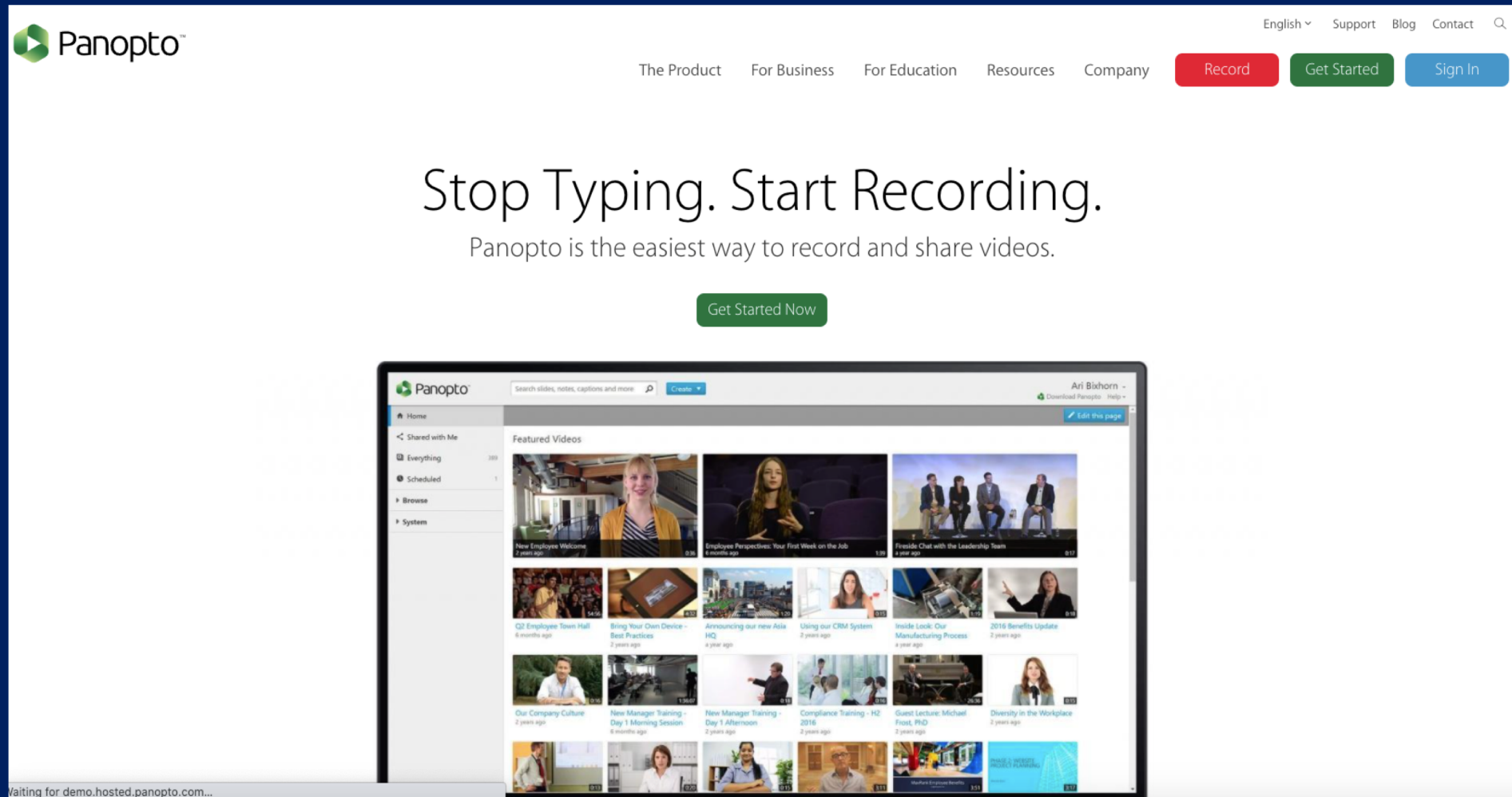


The screenshot shows a Slack workspace for "Digital Age Academy". The left sidebar displays the workspace name and a list of channels: #general (selected), #random, and #statistics-probability. Below the channels are direct messages with several team members, including Azadeh Keivani (you), Alejandro Rojas, Ali Mostashari, Ph.D., Ashkan Balouchi, Christopher Britt, Gordana Tešić, and Mohsen Arabgol. The main area shows the #general channel with a description: "You're looking at the #general channel. This is the one channel that will always include everyone. It's a great spot for announcements and team-wide conversations." A notification from Azadeh Keivani at 12:09 PM states "joined #general along with 5 others." Below the notification are two message bubbles: "Hi everyone!" and "Let's try using Slack for...". At the bottom is a text input field for sending a message to #general, with a rich text editor toolbar below it.

Accounts You Use In This Program

3. Panopto to see the questions incorporated in the videos

- Create an account yourself on <https://www.panopto.com/>



The screenshot displays the Panopto website's landing page and a user interface. The landing page features the Panopto logo, navigation links for 'The Product', 'For Business', 'For Education', 'Resources', and 'Company', and three prominent buttons: 'Record' (red), 'Get Started' (green), and 'Sign In' (blue). The main headline reads 'Stop Typing. Start Recording.' with the subtext 'Panopto is the easiest way to record and share videos.' and a 'Get Started Now' button.

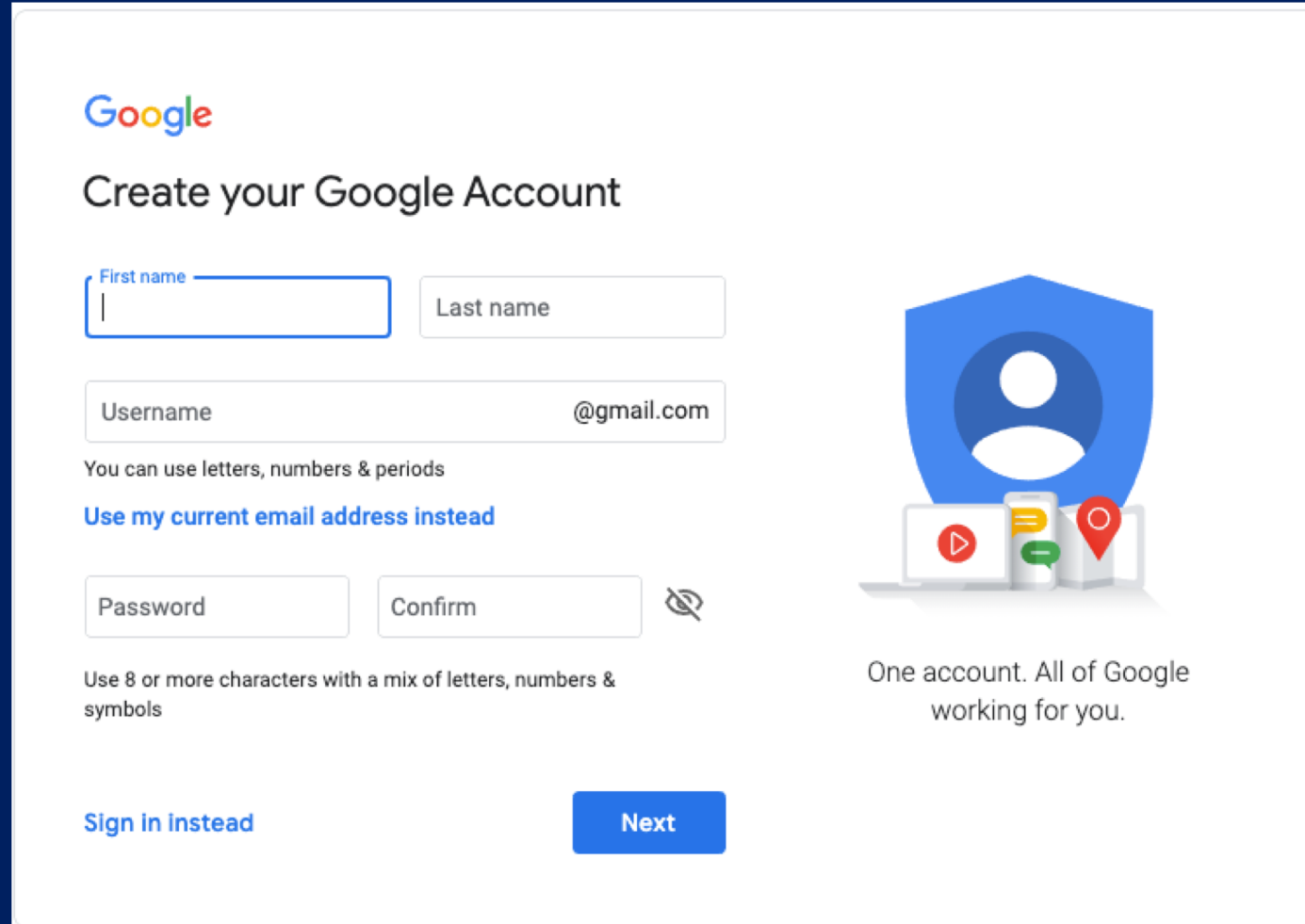
The user interface shows a dashboard with a sidebar on the left containing 'Home', 'Shared with Me', 'Everything', 'Scheduled', 'Browse', and 'System'. The main content area is titled 'Featured Videos' and displays a grid of video thumbnails with titles and durations. The user's name 'Ari Bixhorn' is visible in the top right corner of the interface.

waiting for demo.hosted.panopto.com...

Accounts You Use In This Program

4. Google account to easily work on Google products

- You might already have one;
- Create one if you don't!



The screenshot shows the Google Account creation interface. At the top is the Google logo, followed by the heading "Create your Google Account". Below this are input fields for "First name" and "Last name". A "Username" field is followed by "@gmail.com". A note states "You can use letters, numbers & periods" and offers a link "Use my current email address instead". There are "Password" and "Confirm" fields with a visibility icon. A note below says "Use 8 or more characters with a mix of letters, numbers & symbols". At the bottom are "Sign in instead" and "Next" buttons. To the right is a graphic of a blue shield with a person icon, and icons for YouTube, Gmail, and Maps. Below the graphic is the text "One account. All of Google working for you."

Thanks



Looking forward to a great semester with all of you!

