

Returning to the Classroom:

Is Hybrid Teaching Here to Stay?

PANELISTS



Housekeeping Items



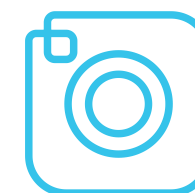
Questions & Answers

You can post questions in the Q/A widget located at the bottom of your screen.



Closed Captions

Please click the “CC” widget to turn on the captions.



Recording

Will be emailed to you within 24-48 hours.

Meet Your Panelists



Jim Maher

Executive Director of Information Technology Services,
Saginaw Valley State University



Joe Wojtkiewicz

Manager IT Support Center,
Saginaw Valley State University



Jamie McCue

Interim Academic Technology Manager,
Colorado State University



SAGINAW VALLEY
STATE UNIVERSITY.

Returning to the Classroom: Is Hybrid Teaching Here to Stay?

Saginaw Valley State University

- Located near Saginaw, Michigan
- ~8,700 students and ~1,200 Faculty/Staff
- 100+ Undergraduate and Graduate programs
- NCAA Division II GLIAC Conference
- Mascot: “Coop” the Cardinal
- Founded in 1963
- Rated in Top 5% of Business Schools Globally by the Princeton Review
- Ranked a Top 50 Best Value Engineering School Nationally
- World’s Best Undergraduate Formula Racing Team
- National Top 20 Moot Court Program



Agenda

- Before the Pandemic
- During the Pandemic
- Technologies or Tactics Used for Academic Continuity
- Benefits and Successes Derived from Academic Continuity
- Looking Ahead: How COVID-19 Permanently Changed the Future of Teaching
- Lessons Learned and Advice

Before the Pandemic

- Campus Initiatives
- **NEST** – **N**ew **E**xpectations for a **S**afer **T**omorrow
- Polled faculty/students
 - Faculty and student-driven solutions
- Weekly meetings with various committees
- Students wanted to be in classroom, or similar experience



Before the Pandemic Software

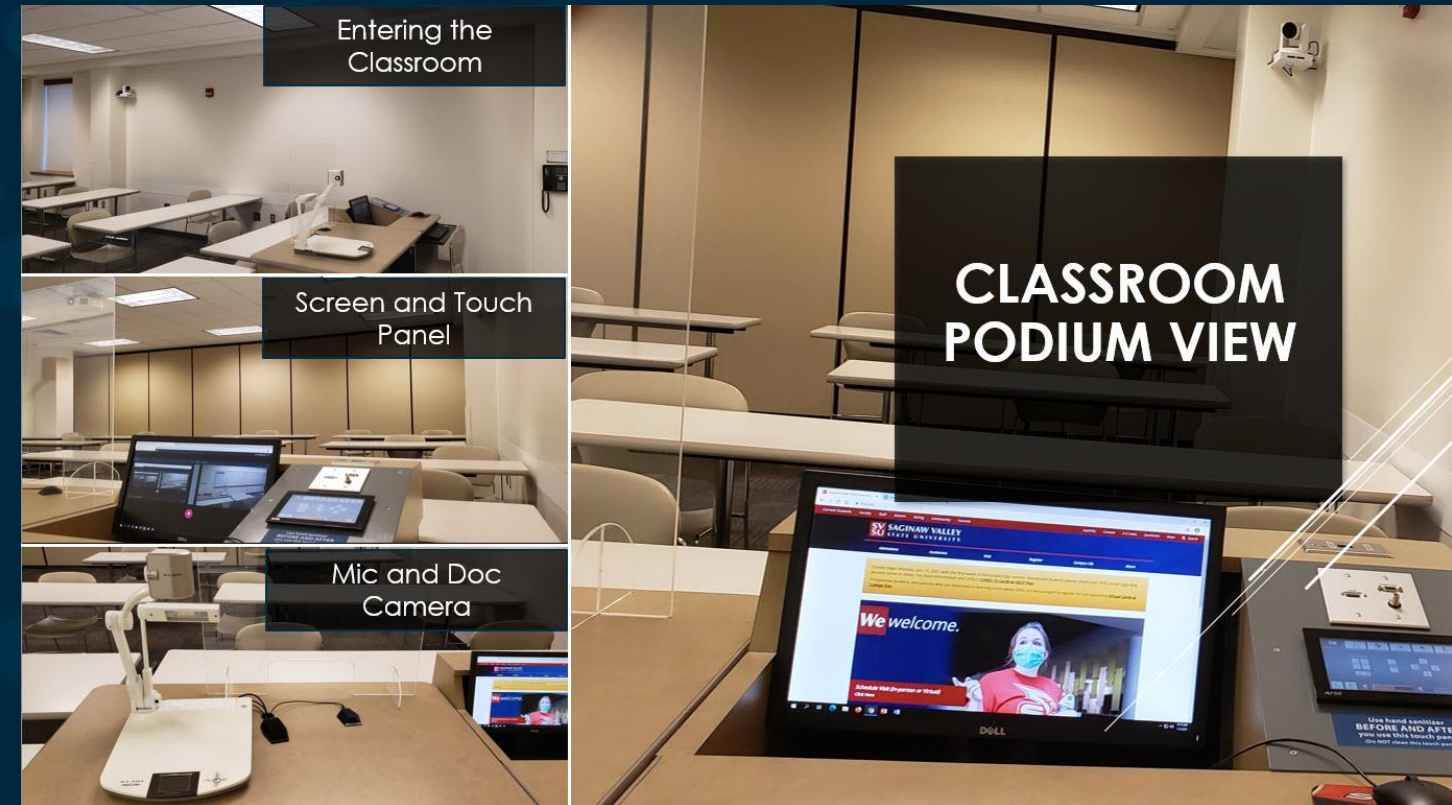
- Supported tools for online/hybrid teaching:
 - Echo360
 - Microsoft Teams/Skype
 - Lifesize
 - Canvas
 - Canvas Conferencing (Free Version)

Before the Pandemic Hardware

- 180+ classrooms equipped with Smart Podiums
- Echo360 Hardware
 - 11 SCHED, 10 Pro's, 1 POD
- Classroom capture installed by request
- Small class sizes, mostly all in person with about 7-10% online/hybrid

During the Pandemic Spring/Summer

- All classes taught online
 - Canvas Conferencing (20 concurrent)*
 - Zoom (~60 users)*
 - Echo360 Universal Capture: Personal
 - 2019 Recordings ~1,500
 - 2020 Recordings ~8,700
- Prepared for Fall 2020 semester
 - Created temporary classrooms to accommodate social distancing*
 - Added 50 Echo360 POD's including new cameras and microphones*
 - Installed Universal Capture: Classroom in all rooms used for teaching*



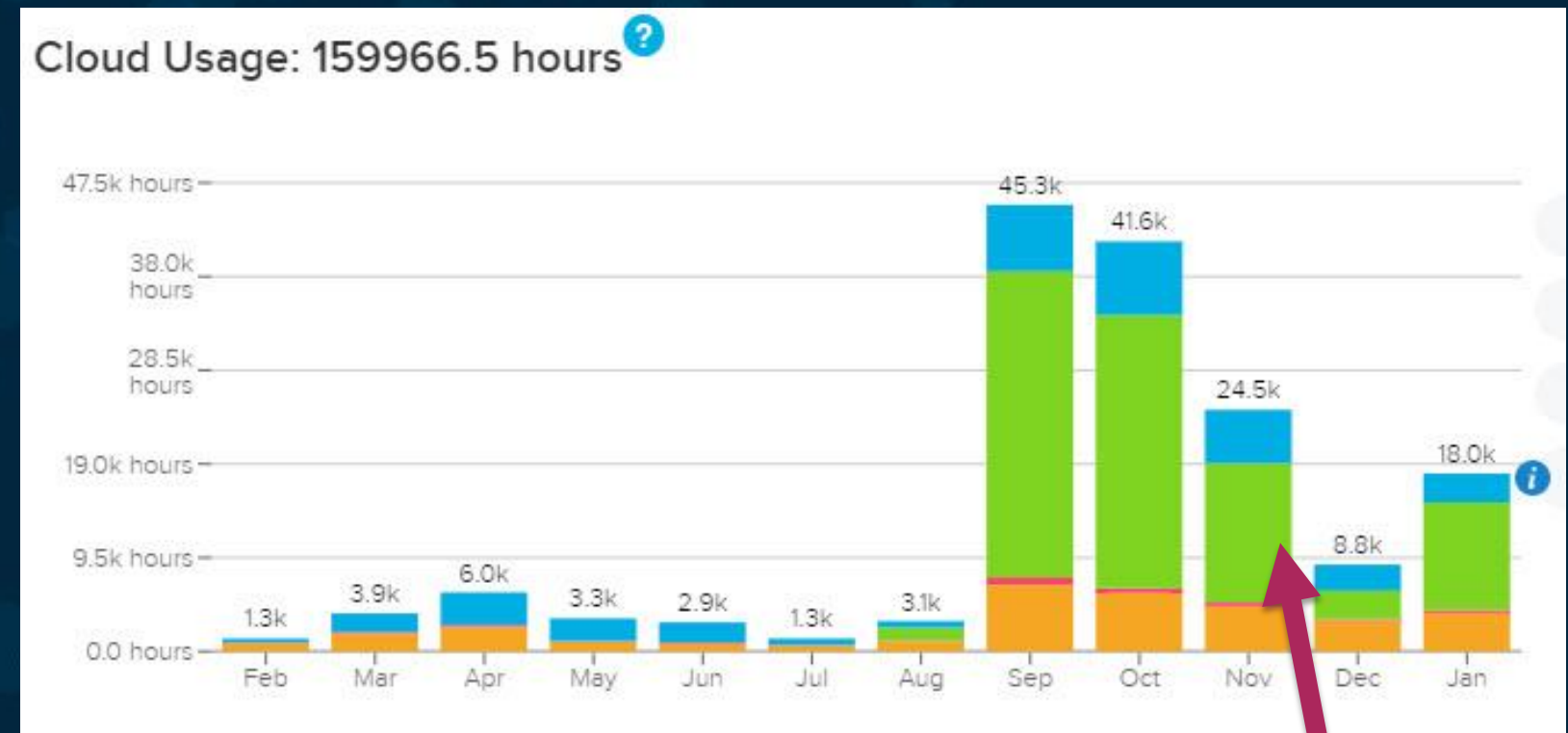
During the Pandemic Fall

- Classes were split into groups to accommodate social distancing.
- Encouraged scheduled Echo360 recordings.
- Echo360 was one of the most widely used tools for hybrid/online learning.
- Microsoft Teams, Zoom and Canvas Conferencing were also used.
- Echo360 growth was quite impressive...



10x Increase in Cloud Usage

- Averaged 3,000 hours of cloud usage to over 30,000 hours a month in the Fall.
- Virtually no live streaming to over 30,000 a month.
- 4,000+ scheduled captures for the Fall and Winter semesters.



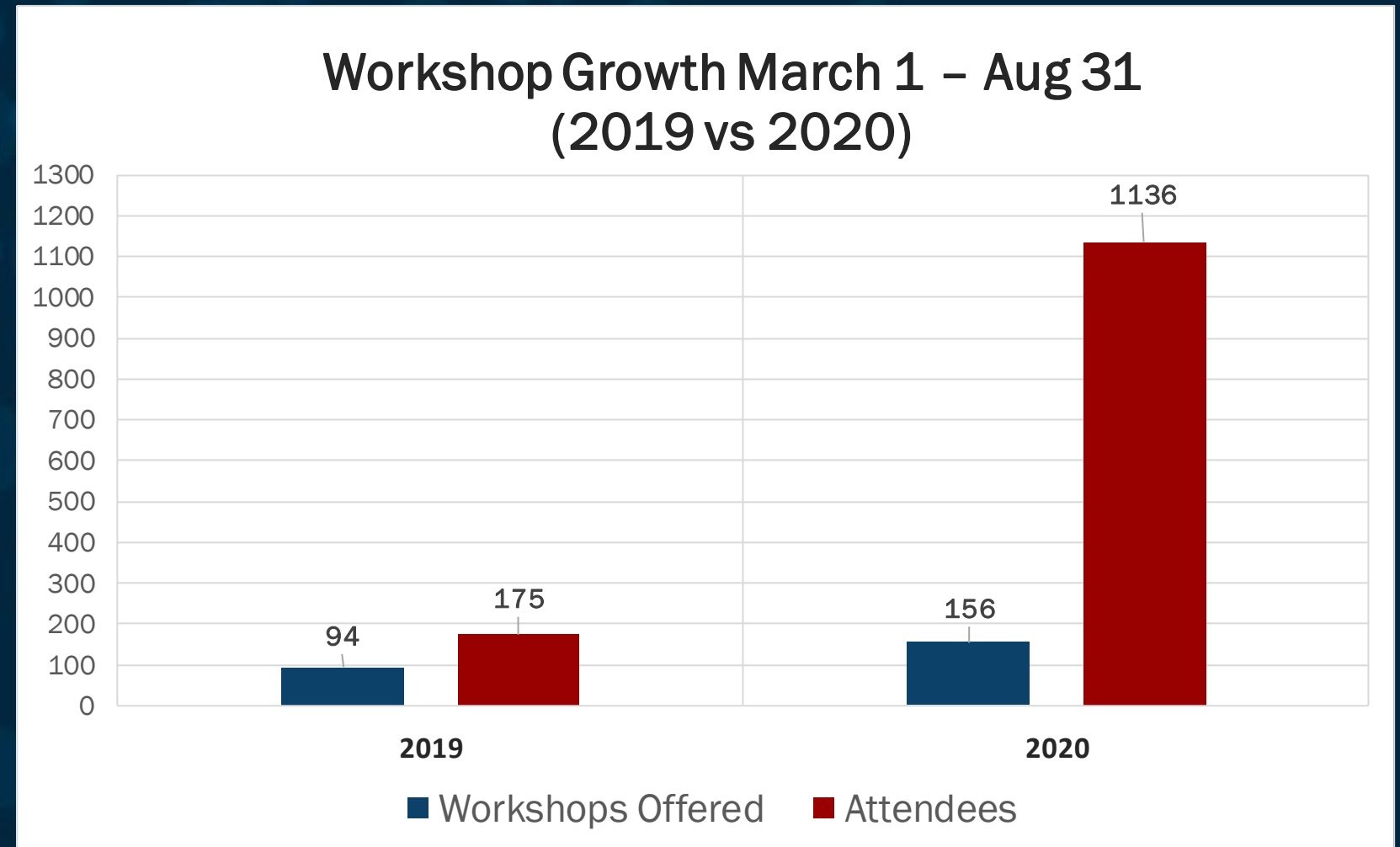
Classes went fully online per Gov. Order Nov 16
Current as of 1/27/21, Classes started 1/11/21

Tools Added to Educate Students in Different Modalities

- Echo360 hardware in 50+ rooms, and classroom capture in all rooms
- Zoom Education Account
- Canvas Conferencing (free to paid)
- Respondus Lockdown Browser and Monitor
- Extensive checkout of equipment for students, faculty and staff

Benefits and Successes of Our Academic Continuity

- Unexpected benefit was advancing the university in technology usage so rapidly. The time spent creating documentation and videos will continue to be valuable.
- Training was a huge success, near 6x growth.



Benefits Continued

- Several supported tools all with different features.
 - Created comparison documents.
- Faculty want to use what they are comfortable with.
 - Created lots of knowledge articles and videos.
- Students want to use the same tools for all classes.
 - Still working to simplify.

Asynchronous Tools for Teaching

Ranking	Software	SVSU Paid Service	Complexity	Transcript	Web or Desktop Recording	Video Sharing	Length of Recording/ File Size Limit	Location of Saved Recording	What is Recorded	Ability to Screen Record	System Audio Recording	Capture Control	Additional Features
1	Echo360 UC Personal	Faculty/Staff	Easy with advanced and expert features	Yes, Automatic and Editable	Desktop App	Within Canvas, or Echo360.org	8 Hours	Cloud	Audio, Screen, Webcam	Screen	No	Creator	Built in polling, video heat map, analytics, playback speed, and searchable
2	Microsoft Stream Record Screen	Faculty/Staff /Students	Easy with limited advanced features	Yes, Automatic and Editable	Web	DMSS App Launched in Canvas	15 Minutes	Local, need to upload somewhere to share	Audio, Screen, Webcam	Screen, Application Window, or Specific Area	Yes	Creator	Advanced video/audio editing, and embedded quizzes
3	Camtasia*	Approval needed	Easy with advanced and expert features	Not automatic	Desktop App	Embedded in Canvas, or link shared	2 Hours	Cloud	Audio, Screen, Webcam	Screen, or Application Window	No	Moderator/ Presenter Only	Whiteboard and polling
4	Canvas Conferencing Recording (Not recommended for Asynchronous)	Faculty/Staff /Students	Easy with advanced features	No ability for transcripts	Web (Canvas Chrome or Firefox)	Within Canvas	9 Hours	Cloud via Stream	Audio, Screen, Webcam	Screen, or Application Window	Yes	Anyone in meeting	Built in teams features (whiteboard, OneNote, etc.)
4	Teams Recording (Not recommended for Asynchronous)	Faculty/Staff /Students	Easy with advanced features	Yes, Automatic and Editable	Web or Desktop app	Web or Desktop app	4 Hours	Cloud via Stream	Audio, Screen, Webcam	Screen, or Application Window	Yes	Anyone in meeting	Built in teams features (whiteboard, OneNote, etc.)

Scanning Apps Comparison

Software	Cost	Ease of Use	Account Type	Recognize Text (OCR)	Resolution	Image Quality	Image Detection	Sharing / Exporting	Editing Capabilities	Multi-Page Combining	Integrations	Language Translation	Storage	Security	Mobile OS	Color Filters	Importing	Capturing Types
Adobe Scan (OCR, PDF Creator)	Free	Easiest	Gmail, Facebook, or Apple	Yes	High Quality	Best	Yes, auto takes picture for you (optimizes borders with each scan)	Link Sharing (device apps), Email, Share a Copy, PDF only	Reorder, crop, rotate, color, cleanup, resize, and delete	Yes, continuous combining	Adobe	Yes	Adobe Document Cloud, save to your device	No encryption	Android, or iOS	Auto color, grayscale, original, and whiteboard	Yes	Whiteboard, document, business card, and form
Office Lens	Free	Very Easy	Microsoft account, (e.g., work, school, personal)	Yes	Several options (default is med)	Excellent	Yes, tap to take picture (optimizes borders with each scan)	Gallery, PDF OneNote, OneDrive, Word, PowerPoint	Crop, rotate, text box touch annotation, delete	Yes, continuous combining	Microsoft	Microsoft Immersive Reader	Device	No encryption	Android, or iOS	Auto color, none, b&w, grayscale, and clear	Yes	Whiteboard, document, business card, and photo
Genius Scan	Free	Easy	Cloud paid service	No	Several options (default is med)	Good	No, tap to take picture	Email or device saving (JPG and PDF)	crop, rotate, and delete	Yes, toggle on	None	None	Device	No encryption	Android, or iOS	None, b&w, color, and photo	Yes	Document
Genius Scan+	\$4.99	Easy	Cloud paid service	Yes	Several options (default is med)	Good	No, tap to take picture	Export options (device apps) JPG and PDF	crop, rotate, and delete	Yes, toggle on	None	Available	Device	PDF encryption	Android, or iOS	None, b&w, color, and photo	Yes	Document

Adobe Scan: Recommended for documents and forms, easiest to use.
Office Lens: Recommended for photos, easy to use.

NOTE: There are several other scanning apps (e.g., CamScanner, ScanPro, etc.), however, we do not recommend them due to expense or lack of features.

Looking Ahead: The Future of Teaching

- With the added hardware investment and simplicity Echo360 will continue to be widely used.
- Echo360 Pod's are a great value in terms of scalability.
- Classroom capture installed proactively.
- Types of classes forever changed.



Lessons Learned and Advice



Automate as much as possible



Offer lots of training and resources



Communicate expectations

Welcome!

Returning to the Classroom: Is Hybrid Teaching Here to Stay?

Jamie McCue, Interim Academic Technology Manager

02.11.2021



Colorado State University



Jamie McCue
Interim Academic Technology Manager

Provides strategic leadership & management for the Learning Management Systems, Classroom Support Services, & Media Services



- Located in Fort Collins, Colorado
- ~32,800 students
- ~1,900 faculty
- Public land-grant institution founded in 1870
- Nearly 300 academic programs – undergraduate, graduate, & doctoral
- One of the nation's top public research universities
- Carnegie R1 institution



Colorado State University

Agenda

- Before the Pandemic
- During the Pandemic
- Technologies or Tactics Used for Academic Continuity
- Benefits and Successes Derived from Academic Continuity
- Looking Ahead: How COVID-19 Permanently Changed the Future of Teaching
- Lessons Learned and Advice



Pre-COVID

- Echo360 installed in 65 classrooms
 - Almost exclusively used for courses offered through CSU Online
- Limited hybrid learning
 - Echo360 Classroom & Universal Capture, Zoom, Canvas, BigBlueButton, ProctorU



During the Pandemic – Spring & Summer 2020

- Extended spring break
- Transitioned to fully online & remained fully online through the summer
 - Recommended asynchronous learning
 - Echo360, Zoom, Microsoft Teams, Canvas, BigBlueButton, Respondus LockDown Browser + Monitor
- Established Keep Teaching & Learning and Teaching Continuity & Recovery Teams
- Created Keep Teaching & Keep Learning websites



Preparing for Fall 2020

- Lecture capture expansion initiative
 - Quickly tripled Echo360 installations on campus
 - Classrooms, Lory Student Center ballrooms, & mobile carts
 - Echo360 PODs, cameras, doc cams, boundary microphones
 - Echo360 now available in 194 locations on campus
 - Scheduled all lectures in Echo360 classrooms to record
 - Renewed Echo360 contract to include unlimited cloud usage & Automatic Transcription Service (ASR)



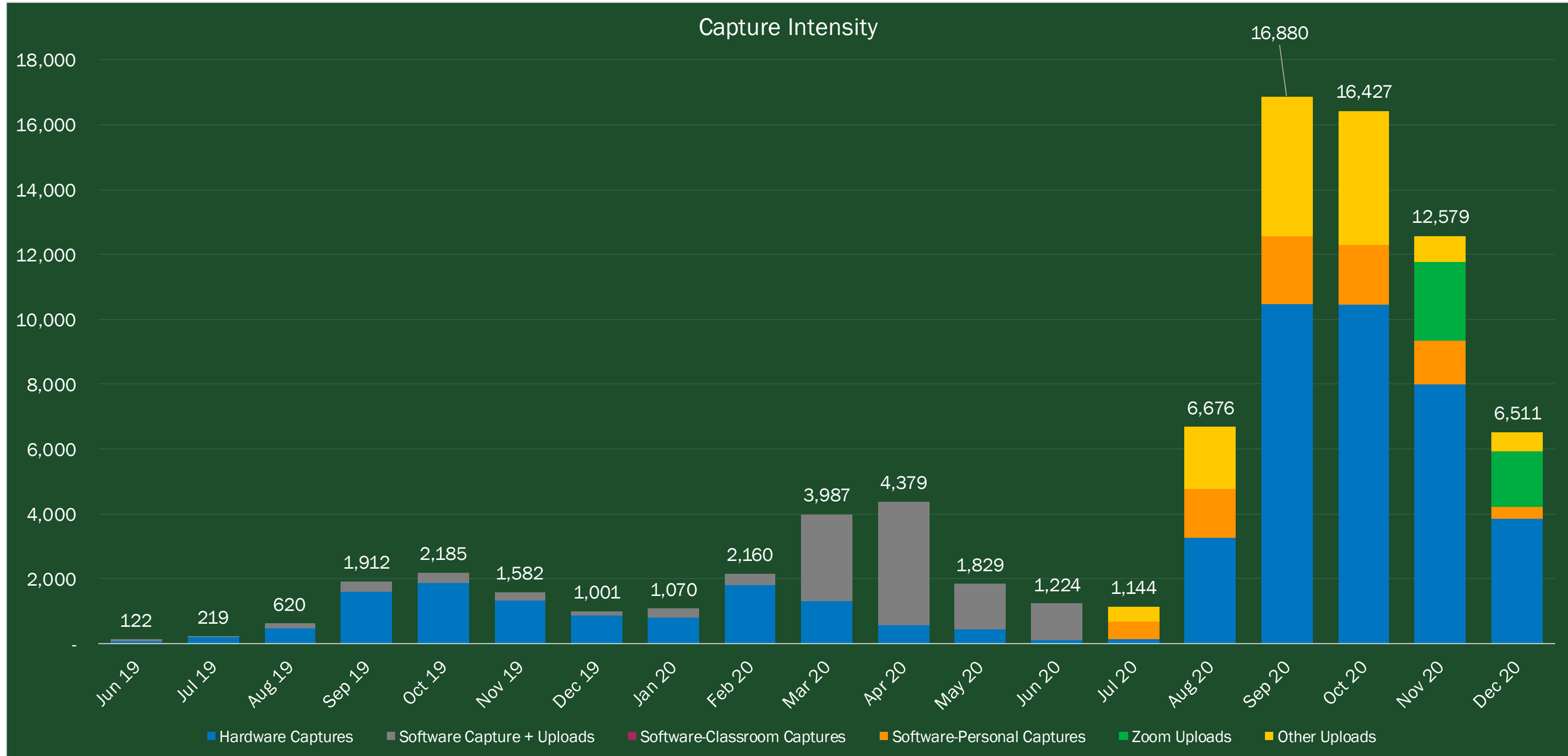
Fall 2020 – Hybrid Learning

- Limited in-person learning due to social distancing requirements
- Recommended synchronous learning
- Remote computer lab access
- Echo360 required for all courses requiring captioning
- Hybrid learning tools included Echo360, Microsoft Teams, Zoom, Canvas, iClicker Cloud, Respondus LockDown Browser + Monitor



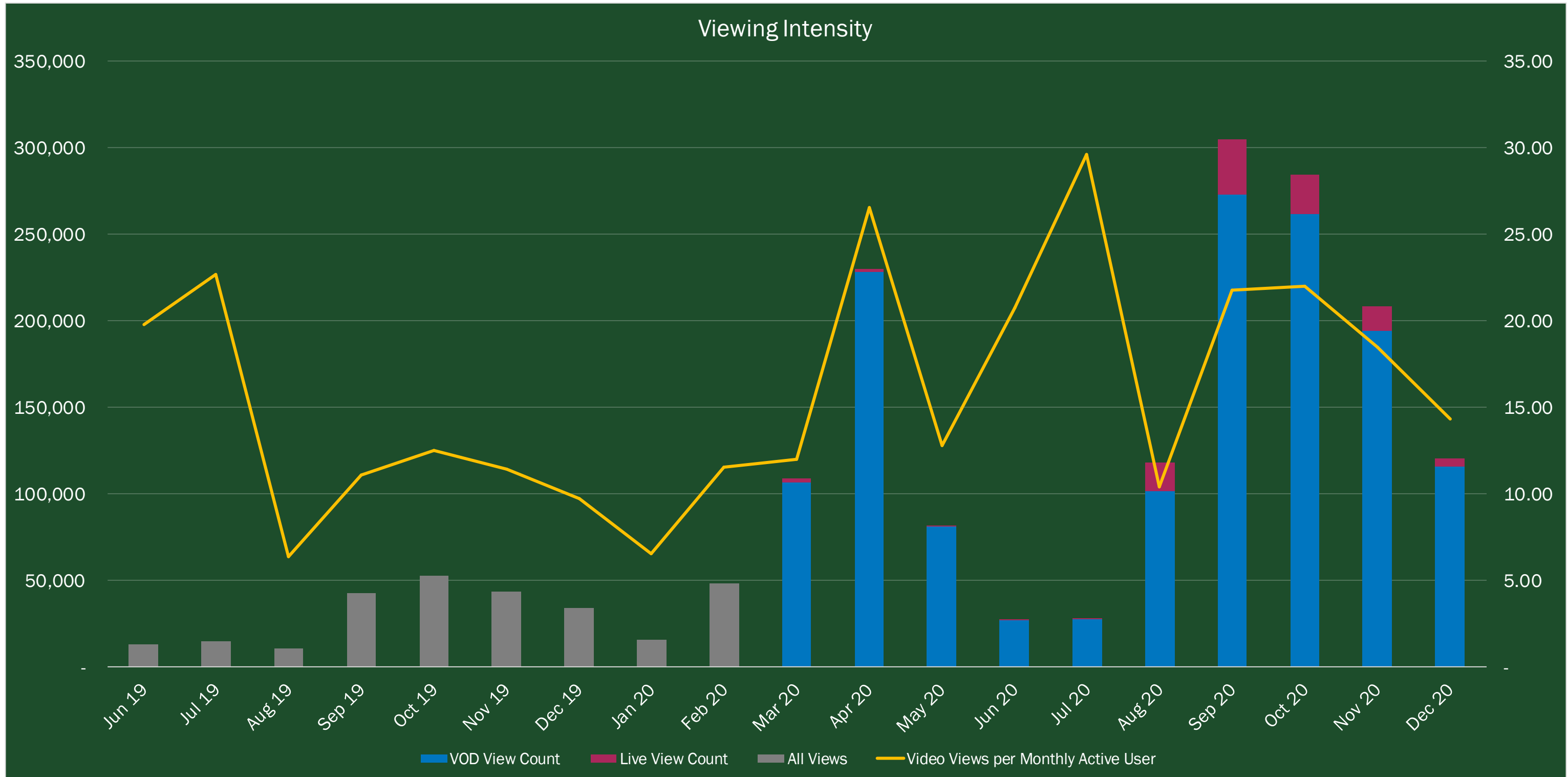
Videos Created/Uploaded

Capture Intensity



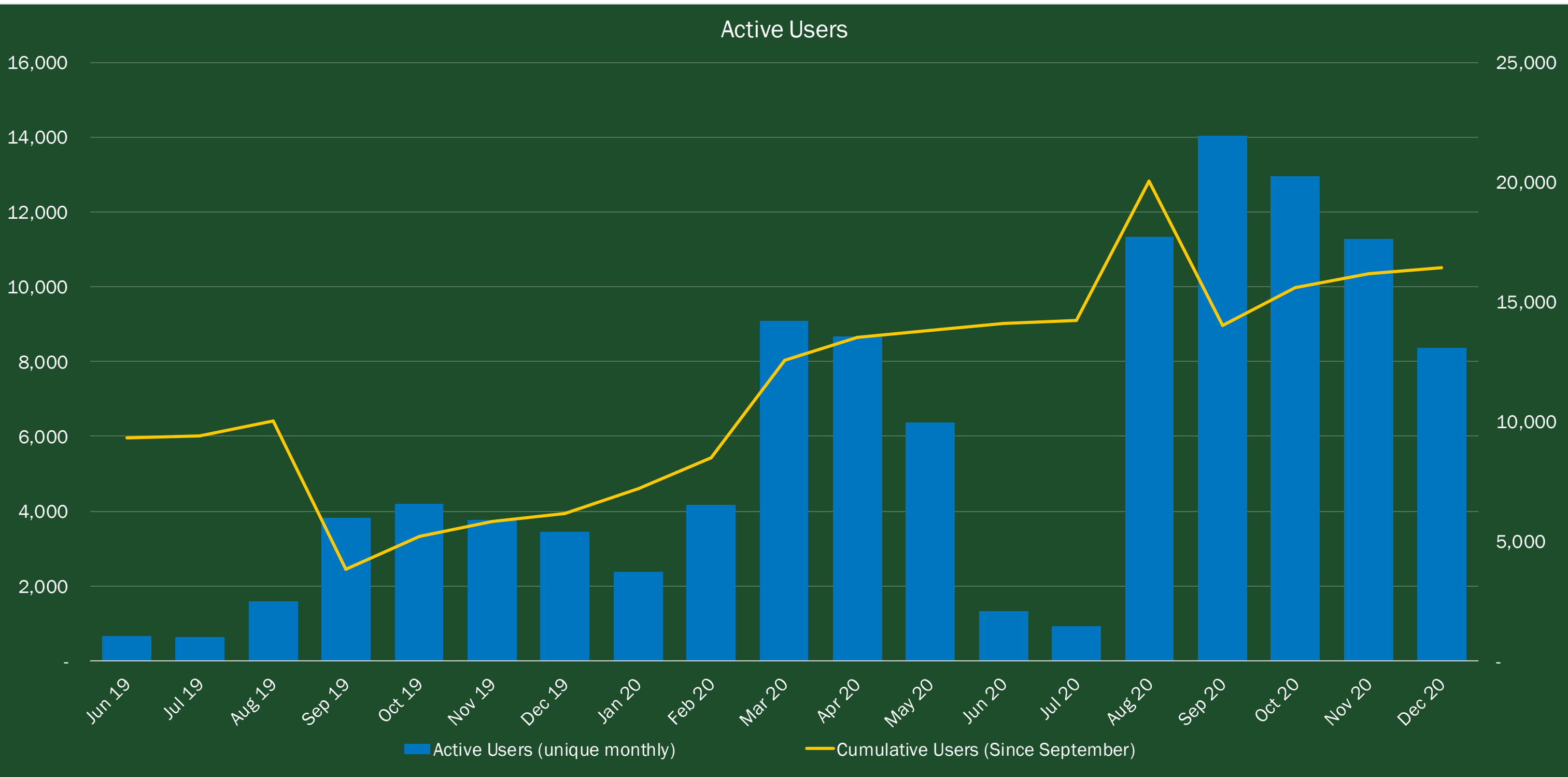
Echo360 Video Views

Viewing Intensity



Echo360 Active Users

Active Users



Lessons Learned & Looking Ahead in 2021

- Standardize on tools to minimize platform fatigue & simplify support
- Benefits of Echo360 extend beyond simply capturing the lecture
 - Study tool, benefits of transcription, confusion flags, etc.
 - Can be easily edited by instructors for improved transcripts, to improve video quality by removing periods of silence, etc.
- Incorporating the use of Echo360 into course pedagogy



Questions & Answers

Please enter questions in the Q/A widget below.



Resources:

More Stories on Hybrid &

Online Teaching:

echo360.com/blog

Questions on Echo360:

echo360.com/contact

More Information on the Institutions in this Webinar:

Saginaw Valley State University: www.svsu.edu

Colorado State University: www.colostate.edu

Thank You!



Colorado State University

www.svsu.edu

www.colostate.edu

echo360.com/blog | echo360.com/contact