

Effective Online Teaching Via Zoom

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The ideal college...

- *Teacher on one end of a log and students on the other*



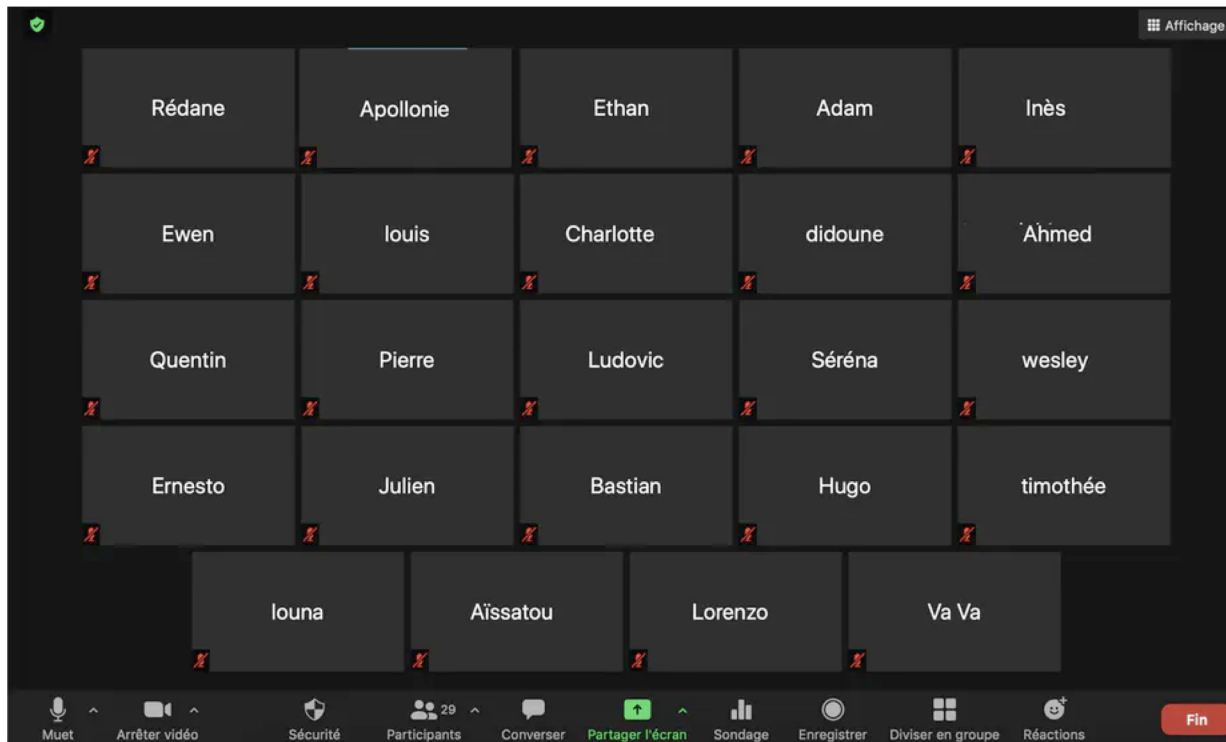
<https://makelearningreal.org/personalizing-learning/>

College during pandemic...



<https://www.geekland.co/32-Large-Android-Tablet-for-Zoom-Video-Conferencing-Meeting-GKRK32ZOOM.htm>

College during pandemic...



<https://theconversation.com/five-tips-on-how-to-reinvent-remote-teaching-155389>

College during pandemic...



<https://www.idginsiderpro.com/article/3544019/zoom-fatigue-is-real-and-it-s-costly.html>

Our own weekly research meeting

- Multiagent RL in team Markov games when the game is unknown

- Strict Nash Equilibrium

- $Q^*(s, \{\pi_i(s)\} \cup \pi_{-i}(s)) \geq Q^*(s, \{\pi'_i(s)\} \cup \pi_{-i}(s))$
- A nash equilibrium is strict if the inequality above is strict

- Optimal Nash Equilibrium (π^*)

- A nash equilibrium that gives the agents the maximal expected sum of discounted payoffs.

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A Zoom meeting grid with 10 participants. The participants are arranged in a 5x2 grid. The top row shows 'christopher gonzalez' (purple icon with 'C') and 'Bin Tang' (video on). The second row shows 'Phillip F. Aguilera' and 'Rachel.Varghese@stu...' (highlighted with a yellow border). The third row shows 'Yutian (Kate) Chen' and 'Howard'. The fourth row shows 'Lynn Gao' (orange icon with 'L') and 'Vidhi Shah' (with a blue 'Ask to Unmute' button). The bottom row shows 'Jennifer Ly' and 'Natnael Cherenet'. All participants have their microphones muted, indicated by a red slash icon.

What's the difference between this ...

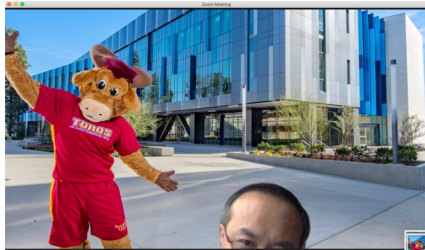


... and this



How to have a strong presence as an instructor?

- Position yourself properly



- Make it personal
- Discussions

How to communicate?

- Embrace the pause
- Know Thyself, Grow Thyself
- Discussions

How to create an interactive learning environment?

- Breakout Room
- Record the video and share it with the students
- Polling
- Questionair

Tips and Tricks using Zooms

- Whiteboard
- Annotation
- Discussions

Students/faculty input

References

- <https://zoom.us/docs/doc/Tips%20and%20Tricks%20for%20Teachers%20Educating%20on%20Zoom.pdf>
- <https://www.pearson.com/ped-blogs/blogs/2020/03/9-strategies-for-effective-online-teaching.html>