

Project 3: MLOps Tools

This is a single-person project.

There exists a near infinite amount of MLOps tools. In the first lecture, we saw some collections of MLOps tools, e.g. EthicalML's [list of awesome production ML](#), the [MAD landscape](#), or this [zoomable sunburst](#) of MLOps companies and tools, taken from the end of this [blog post](#).

In this project, you select a tool of your choice (or a single feature for big tools like Weights and Biases) that we haven't seen a demo of in class. It does not have to be on any of the above lists. Create a small ML project in which you use your tool. Finally, record a short video (at most 5 minutes) in which you demo how you used the tool, what you liked about it, and what you didn't like.

Enter your selected tool into this [Excel sheet](#) by November 29. The lecturer will approve your selection, or otherwise contact you if the tool is not suited for presentation.

Deliverables

Record and submit a video presenting how you used an MLOps tool of your choice in an ML project. The video must be in mp4 format and at most 5 minutes long.

Video recording

Video recording does not need to be perfect! In this course, we care about the content much more than the style of the video. If you have never recorded a video before, here are some ideas of how to do it:

- PowerPoint: An easy way to record a video is to do a slidecast with PowerPoint. Create slides for presentation and include screenshots of the tool "in action" in your project. Then use PowerPoint's [built-in recording feature](#).
- Camtasia: Camtasia is an easy-to-use video editing tool and can be downloaded from HSLU's [software download center](#). You can record your screen, but also insert presentation slides or images into the video. There are well-made short tutorial videos on YouTube for almost any functionality. You can also ask the lecturer for help.
- OBS: You can record your screen, voice, and webcam with the [Open Broadcaster Software \(OBS\)](#). In contrast to the previous two, this also works on Linux machines. You potentially need a video editing software afterwards to cut out some parts of the recording.

Grading

The following criteria will determine the grade:

- Structured presentation of tool
- Evaluation in a meaningful use case
- Good pros and cons
- Video is in mp4 format and stays within 5 minutes limit
- Bonus: beautiful video
- Bonus: entertainment value :-)

No peer feedback will be given for this final project, but people can ask questions when we watch all the videos together in the final lecture of the semester.