IOAI 2024 Problems

- [ML problem](#)
- [NLP problem](#)
- [CV problem](#)

The links above take you to a read-only version of the Colab notebooks. Start by creating an editable copy.

GPU Resources

You will be provided with a Colab Pro account, which gives you access to GPU resources. We recommend using L4 cards. When executing code that needs GPU, follow these steps in the Colab UI:

```
Runtime > Change runtime type > Hardware accelerator: L4 GPU
```

Remember to monitor your GPU usage and to disconnect from GPU-type runtimes when not working on the problem or working on non-compute-intensive parts of the problem.

HuggingFace Configuration

The NLP and CV problems both require that the final model the team develops is pushed to the [HuggingFace](#) Hub. In addition, the data for the NLP problem is distributed as a HuggingFace dataset.

Team leaders should create an account for their team, using the team Gmail address provided by us, and obtain Write and Read access tokens, which can be added to the Colab notebooks as "[secrets](#)".

Further instructions can be found in the respective notebooks.

Submission

The notebooks specify the deliverables for each problem, as well as rules and constraints: make sure to follow these, as any deviation may result in team disqualification or a hefty penalty in the final scoring.
Further instructions on the exact method of submission will follow soon.

Deadline

The deadline for submission of solutions to all three problems is August 4th.