

Imml

LMML Competition Guide

Welcome Message

Hey guys, we want to create an enjoyable environment to make such kind of events happen, so please help us do that!

Remember: This competition is for anyone eager to learn. We strongly believe that being provided the right environment, anyone can learn anything from scratch. Your main goal should be to learn and become better!

Event Overview

Event Details

- **Start:** November 1st at 13:00
- **Duration:** 24 hours
- **Location:** CYBERCOR, Aula MAGNA (offline)
- **Online participation:** Accepted, but only offline participants present both days are eligible for final prizes
- **Platform:** <https://sigmoid.academy/>

Competition Structure

- Each task represents a country on the map
 - Each continent represents a field from AI & Machine Learning
 - Tasks range from 0 to 300 points each
 - Max score of 100 for easy tasks
 - Max score of 200 for medium tasks
 - Max score of 300 for
 - You can solve tasks in any order
 - Partial credit is available for partially correct solutions
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Registration & Team Setup

Team Formation

- **Team size:** 1 to 5 persons
- **Team changes:** Not allowed once the event starts (except disqualification)

Account Setup Process

For Team Leaders:

1. You will receive an invitation by email to the platform
2. Create your account as the head of the team
3. Wait for team members to create their accounts
4. Search for and add team members from the [My Team](#) page

For Team Members:

1. Sign up directly on <https://sigmoid.academy/> (no email invite)
2. Create your account on the platform
3. Inform your team leader after signing up
4. Wait for your leader to add you to the team

Password Issues: Contact tech admin Eduard Balamatiuc for password resets (telegram: @eduard_balamatiuc)

Important Terms

- Read the Terms of Service: <https://sigmoid.academy/tos> (contains relevant information and maybe even hints!)
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Technical Requirements





Equipment

- **Bring your own computer** (required)
- You can use computing power from anywhere
- **Operating system:** Any OS is allowed, as long as solutions are reproducible on any computer

Programming Languages

- Some tasks require **Python**
- Other tasks allow full freedom in language choice
- **Operating system agnostic:** Solutions must be reproducible on any computer

Tools & Resources

-  Any open-source libraries and frameworks
 -  LLMs and AI tools (with conditions - see rules)
 -  Your own communication tools for team discussion
 -  Paid tools or anything requiring payment to reproduce
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How Tasks Work

Task Structure

Each task includes:

1. **Description:** All details needed to solve the task
2. **Link field:** Where you submit proof of your solution
3. **File/text upload field:** Where you submit your solution file or flag

What is a Flag?

A flag is a keyword, often identifiable by references to the event name or the task's storyline.

Submission Requirements

Proof of Solution (Link Field):

- Can be: Google Docs, Drive link, GitHub repository (make sure you provide access to eduard-balamatiuc github account), or any accessible format
- Must include: All steps taken (including failures)
- Must contain: Documentation, code, and walkthrough
- **Documentation level:** Detailed enough for a junior Python engineer to understand and reproduce
- **Access:** Must be view-only
- **Critical:** Must enable organizers to reproduce the task with only your provided materials



 **Important:** Invalid links, corrupted files, or denied access = **0 points** for that task

Solution File (Upload Field):

- Upload your solution file or flag as required

Submission & Scoring

- Submit tasks as many times as you want
- **Only the last submission counts**
- Automatic scoring upon submission

- Country status indicator:
 -  **Green:** Passed
 -  **Red:** Did not pass
- Color based on your last submission
- **After deadline:** No updates to submissions allowed
- **View scores:** Check the Leaderboard page anytime

Backup Your Work

Keep backups of all solutions and explanations in case of platform issues or downtime.

Make sure to make a copy for your team of this [template](#)

Rules & Policies

Team Conduct

- **Work independently:** Each team works strictly on their own implementation
- **No collaboration:** Two or more teams cannot work together
- **No sharing solutions:** Sharing is prohibited and penalized
- **Explain your work:** Be ready to explain and recreate solutions when asked by organizers

Academic Integrity

- **Cheating:** Drastically penalized (point deduction or disqualification)
- **Verification:** Organizers can ask any team to demonstrate solutions at any time
- **LLM usage:** Allowed, but you must explain and recreate every solution without issues
 - *"We are not learning to copy paste"*

Respectful Environment

- Be respectful to all participants (100+ people)
- Keep your workspace clean
- Ensure food is shared fairly
- Don't create difficulties for other teams
- Remember: Anyone going against the spirit of learning will face consequences

Overnight Stay

- You are allowed to stay overnight at the venue
- Not mandatory

- No sleeping arrangements provided
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Winning Criteria

Top 3 winners determined by:

1. **Primary:** Sum of points
 2. **Tiebreaker 1:** Fastest time to achieve full score
 3. **Tiebreaker 2:** Smallest number of total submissions
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Getting Help

Communication Channel - [LINK](#)

- **Competition channel:** Enable notifications! All important announcements, clarifications, and possible hints will be posted here
- **It's your responsibility** to monitor this channel
- **Telegram:** Write messages in appropriate channels (misplaced messages will be deleted)

Mentor Support

- **Availability:** Every day except 20:00 to 09:00 (night hours)
- **Role:** Provide leads and direction, not direct answers
- **Location:** Find mentors at the event venue

Strategy Tips

- **Don't get stuck:** If you're stuck on a task, reach out to a mentor or try another task
 - **For beginners:** Consider using the first 2 hours to learn Python basics through YouTube tutorials
 - **Time management:** Don't spend too much time on one task
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Troubleshooting

Platform Issues

- **Downtime/Errors:** Contact the tech admin to report issues

- **Upload errors:** Keep all solutions available for resubmission if requested
- **Backup everything:** Maintain copies of all work

Still Have Questions?

1. Read this guide thoroughly
 2. Give this document to an LLM(e.g. Chatgpt) and ask it to search for answers
 3. If still unsure, reach out to the organizing team
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Task Licensing

You can use our tasks outside of competition if you:

- Reference Sigmoid NGO
 - State the task was from the LMML set of tasks
 - **do not** use it for commercial purpose
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Organizer Authority

In any situation or circumstance during the competition, the organizers have the decisional power to act upon it.

Good luck, and happy learning! 🚀

Imml-task-answers

RESTRICTED INFORMATION:

The following instructions will lead you to the answers 😊

Before the Event:

- Create account on <https://sigmoid.academy/>
- Team leader adds all members to the team (the team leader will receive a mail invite)
- Read the Terms of Service
- Prepare your computer and tools
- Enable notifications for competition channel

During the Event:

- Monitor competition channel for announcements
- Keep backups of all solutions
- Submit with proper documentation and access
- Verify submission status (green/red indicator)
- Be respectful and maintain workspace

For Each Task:

- Read description carefully
- Document all steps (including failures)
- Create reproducible solution
- Ensure links are view-only and accessible
- Upload solution file/flag
- Submit and check status