

# HACK'S GUIDE

DATA HACK



# HELLO HACKERS

This manual contains all the essential guides to experience the foremost out of this special event. Make sure to take all the time to go through the complete guide and read it carefully. You'll discover it exceptionally valuable and might find it good to come back to clarify any point both before the event and amid the occasion. You'll moreover utilize our contact information to reach us at any time for extra questions.

## WHAT IS DATAHACK ?

A datathon is a hackathon dedicated exclusively to data. This inaugural edition, titled DataHack, serves as a bridge between research and industry. The Data Hackathon, planned for the first time by the CSE, is an international event aimed at leveraging and analyzing large amounts of data to create a DATA COMMUNITY. This community fosters an environment where enthusiasts, curious minds, and experts can learn and share their experiences by working on real data cases within the framework of DATA DEVELOPMENT.

## DATE AND PLACE

From March 7th, 2024 at 4 p.m. to March 9th, 2024 at 6 p.m. at the [Higher national school of computer science](#).

## WAYS OF COMMUNICATION

In response to the diverse needs of participants, the CSE is proactively facilitating multiple avenues for communication. These include in-person interactions with CSE organizers, as well as via email at [cse@esi.dz](mailto:cse@esi.dz). Additionally, we encourage you to join our Discord server, where participants, mentors, and organizers will convene.

Should you require further assistance or encounter any difficulties accessing the server, please don't hesitate to reach out to any organizer onsite, we are here to ensure a seamless experience for all involved.

## EVENT SCHEDULE :

jeudi 7 mars 2024	
16h00 – 18h00	Check-in
18h00 – 20h00	Opening ceremony + Ice breaking
20h00 – 21h00	Let the hack begin
21h00 – 22h00	Dinner break
vendredi 8 mars 2024	
02:00	Midnight break
07h00 – 08h00	Breakfast
10h00 – 11h00	Workshop : A guide to image clarification
12h00 – 15h00	Lunch break
17h00 – 18h00	Coffee break
19h00 – 20h00	Workshop : Dimensionality reduction
21h00 – 22h00	Dinner break
samedi 9 mars 2024	
02:00	Midnight break
07h00 – 08h00	Midnight break
09h45 – 11h00	Midnight break
11h05 – 12h20	Midnight break
13h00	Midnight break
13h30 – 14h30	Midnight break
14h30 – 15h30	Midnight break

16h00 – 18h00	Check-in
18h00 – 20h00	Opening ceremony + Ice breaking

## DELIVERABLES ET MENTORING:

All along the hack, participants will be guided by a group of experienced mentors, there will be two types of mentoring in this hack: in-person & online mentoring, the in-person mentors will be available at the hackerspaces all along the hack, while online mentors will be available on the discord server and according to a predefined schedule.

## EVALUATION PROCESS :

Each team will receive a dataset to work on. **Six challenges** will be offered to the participants, and they will have the freedom to choose which ones they want to tackle, whether it's one or several challenges. Each challenge will be ranked according to its level of difficulty, thereby assigning a specific rating (coefficient). Every team that completes a challenge and delivers their work will be ranked within that challenge based on the performance of their model. Each challenge will have **24 slots**, and each slot will assign a certain number of points to the team ranked in that position. At the end of the hacking period, each team will have a place in the challenges they have solved, and thus a certain number of points. The final score of each team will be calculated as the sum of the points earned in each challenge, multiplied by the rating of that challenge.

**Note:** The points for each position are just a guideline to facilitate decision-making.

## PRIZES :

### *1st place :*

Ecran MSI Pro MP275

### *2nd place :*

Clavier Asus RA04 TUF gaming K1 / FR

MSI CLUTCH GM08

### *3rd place :*

Casque REDRAGON ZEUS-X H510 RGB

## CODE CONDUCT :

DataHack is intended for collaboration and learning within the student community, we value the participation of each member of the student community and want all attendees to have an enjoyable and fulfilling experience.

Accordingly, all attendees are expected to show respect and courtesy to other attendees throughout the event. To make clear what is expected, all attendees at this event are required to conform to the following Code of Conduct, organizers will enforce this code throughout the event.

Harassment includes but is not limited to offensive verbal comments or other online activity related to gender, sexual orientation, physical or mental ability, age, socioeconomic status, ethnicity, physical appearance, race, religion, sexual images, deliberate intimidation, stalking, inappropriate physical contact, and unwelcome sexual attention.

Be careful and mindful of the words you choose. Remember that sexist, racist, and other exclusionary comments can be offensive to those around you.

The event is accessible to students and tech enthusiasts, only adults. An ID card must be shown if demanded by organizers. Participants are required to follow the organizers' instructions.

Participants are responsible for their actions out of the organizers' instructions.

By accepting this code of conduct participants also authorize CSE's photographers to take photos and videos of them during this event which can be published on the club's official social media pages.

CSE is a non-profit club & participants are and will not be asked for any sum of money, if so participants must report to the club officials.

All rights are reserved to CSE club scientifique de l'ESI : Ecole nationale supérieure d'informatique.

Violating the code of conduct:

Participants asked to stop any out-of-rules behavior are expected to comply immediately, if participants fail to comply, they will be asked to leave the event.

If a participant engages in a behavior that violates this code of conduct, the event organizers will take any action they deem appropriate, including warning the offender or expulsion from the event.

Reporting procedures:

If you are being harassed, notice that someone else is being harassed, or have any other concerns, please contact us using the reporting procedures below:

If you ever wanted to report something please try to reach out to the closest organizer that you can find in the hackerspaces.

For any urgent things you can always contact the organizers