The EDPS is looking for a

Senior Data Scientist (Machine Learning)

Vacancy notice n°	VN-15-2025-EDPS-FO-AI
Type of post/type of contract	AD
Grade/function group	AD5-AD12
Publication under	Article 29(1)(a), (b) and (c) of the Staff Regulations
Place of employment	Brussels (Belgium)
Deadline for applications	07/09/2025 (Brussels time GMT+1) at 23:59

WHO ARE WE?

The EDPS - a young and dynamic institution

The European Data Protection Supervisor (EDPS), a young EU institution established in 2004, in Brussels, Belgium, is the independent data protection authority of the EU institutions and the advisor of the EU legislator on data protection matters. We strive to be an impartial centre of excellence in order to embed a strong data protection culture in the EU institutions and the legislation emanating from them. We also closely follow technological developments and try to anticipate their impact on the privacy of individuals. Our organisation employs about 120 staff members, most of whom are EU officials, but we also welcome Contract Agents and Seconded National Experts, working full-time or part-time.

The EDPS - a great place to work

We value a strong culture of respect, flat hierarchical structures and an open door policy to foster innovative ideas and a strong collaboration between colleagues. To ensure our staff's well-being and motivation, we believe that it is essential to create a healthy organisational climate and to strike a good work-life balance. To achieve this, we offer various flexible working arrangements, as well as learning and development opportunities, such as job-shadowing and training programmes.

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■ WHO ARE WE LOOKING FOR?

Someone who

- fits in an informal and friendly yet professional working environment;

- appreciates working collaboratively with other colleagues on a variety of different projects;

- brings their creativity and initiative to the table;

- engages constructively with stakeholders, based on our core values: integrity, impartiality, transparency and pragmatism.

■ ABOUT THE POSITION

The AI Unit of the EDPS was created on October 1st 2024 to respond to the new supervisory tasks attributed to the European Data Protection Supervisor by the AI Act. The unit prepares for and participates, on behalf of the EDPS, on AI-Act governance bodies, and ensures that Union institutions, offices, bodies and agencies (EUI) comply with data protection rules. These tasks include, inter alia, the following:

- Attendance to the AI-Board and the AI-Board subgroups at technical level, as well as other AI-Act related fora.

- Management of complaints regarding the potential infringement of AI Act obligations by EUIs.

- Reviewing and assessing Fundamental Rights Impact Assessments submitted by deployers.

- Performance of investigations and audits within the scope of the AI Act, including the verification of AI systems' behaviour and performance provided or developed by EUIs.

- Establishment and management of regulatory sandboxes for EUIs to test artificial intelligence models and systems.

- Ensuring the conformity of AI systems provided or developed by EUIs, including the conformity certification of AI systems for remote biometric identification, biometric categorisation and emotion recognition.

- Managing the Network of AI-Act Correspondents of Union institutions, offices, bodies and agencies.

European Data Protection Supervisor is looking for an experienced **Senior Data Scientist** to join the AI Unit team based in Brussels. Initially, the post-holder will play a key technical expert's role in implementation and facilitation of the EDPS AI Regulatory Sandboxes envisaged to take place starting from mid-2026. The Sandbox will provide a controlled environment for the EU institutions (EUIs) to develop, test and validate machine learning (ML) based systems/use-cases for a limited time before being put into service, ensuring compliance with EU AI Act. As part of a multidisciplinary team, the post holder will work under the guidance of the Technical Team Lead, and will advise and provide hands-on support in the field of ML. In the long term, the post-holder will take an active role in auditing of EUIs AI/ML systems.

As a **Senior Data Scientist**, your main responsibilities will include:

- providing technical guidance and hands-on support with design and deployment of ML systems/use-cases for the EUIs participating in the Sandbox;

- advising on the best ML industry practices, prioritizing security, robustness, reliability and overall compliance with the EU AI Act;

- translating EU AI Act requirements and related technical standards into configurations of specific ML use-cases addressing potential systems risks' mitigation throughout the entire ML lifecycle;

- facilitating testing of the ML systems;

- advising of MLOps aspects, prioritizing compliance with the EU AI Act requirements, and advising on available tools for monitoring the specific use-cases at the production phase;

- actively contributing to investigation of security incidents involving EUIs AI/ML systems, including potential misuses or manipulation of AI/ML outputs;

- actively contributing to EDPS auditing of AI/ML systems.

You may also be required to carry out additional tasks when necessary and in the interest of the service. These activities may require missions away from Brussels.

OUR ELIGIBILITY AND SELECTION CRITERIA

Eligibility criteria

For your application to be considered, you must meet the following criteria by the deadline for submitting applications:

- be a European Official in the category 'Administrator' in a grade between AD5 and AD12

  or

- be a laureate of an EPSO competition for ''Administrators''.

Selection criteria

For this job vacancy, we are looking for someone with the following essential and advantageous skills and experience:

Essential

- University degree in computer science, machine learning, statistics or related field;

- At least 5 years of hands-on experience in data science, with a focus on machine learning and deep learning;

- Strong programming skills in Python and experience with machine learning frameworks such as Scikit-Learn, PyTorch, TensorFlow. Programming skills in Java would be considered an advantage;

- Experience with MLOps;

- Experience of deploying machine learning solutions both on prem and in cloud environments;

- Excellent English communication skills, both verbal and written, for cross-disciplinary collaboration.

Advantageous

- Familiarity with cybersecurity principles and best practices would be considered a strong advantage;

- Hands-on experience with machine learning security and robustness libraries/tools like Foolbox, CleverHans, ART (Adversarial Robustness Toolbox) would be considered a strong advantage;

- Ability to work independently and collaboratively within multidisciplinary teams.

HOW TO APPLY?

Interested in this position? Please apply via the following link by **07/09/2025 (Brussels time GMT+1) at 23:59:**

https://ec.europa.eu/eusurvey/runner/Application_form_VN-15-2025-EDPS-FO-AI-Senior_Data_Scientist

You will have to **complete the online application form and upload the following documents**:

- Cover letter detailing why you are suitable for this role (PDF format of maximum size of 1MB);

- Official statement confirming current status as an official with date of establishment and grading and copy of the last two evaluation reports (for officials) OR EPSO attest (for EU competition laureates only/contract agents and temporary agents are not eligible)

- CV (preferably in Europass format);

- Optional: Other supporting documents, such as references, certificates, which must be merged into one single PDF document of a maximum size of 1MB.

Do not hesitate to contact edps-selections@edps.europa.eu in case you have any questions.

OUR SELECTION PROCEDURE

All eligible applications will be scrutinised by a selection panel. Candidates whose applications best match the selection criteria will be invited for an interview during which the selection panel will assess each candidate's performance. In addition, a second interview or written tests may be carried out. At the EDPS we aim for all selection panels to have a gender-balanced composition.

OTHER IMPORTANT INFORMATION

Equal opportunities

The EDPS is committed to promoting diversity, inclusion, and giving everyone equal opportunities to succeed.

As such, the EDPS welcomes all applications without discrimination on grounds of sex, race, colour, ethnic or social origin, genetic features, language, religion or belief, political or any other opinion, membership of national minority, property, disability, age, gender identity or sexual orientation.

If you require any special arrangements (due to a disability) to take part in this selection procedure, please indicate this on your application.

Data protection

A data protection notice detailing how the EDPS processes candidates' personal data in the context of recruitment can be found here.

Join us in shaping a safer digital future!