



2020-IPR-I3-FGIV-014988

FG IV – Scientific Project Officer - Data Scientist specialised in machine learning and data intensive computing

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| <p>Position for:</p> <p>FGIV – Scientific Project Officer</p> | <p>As the science and knowledge service of the Commission, the mission of DG Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.</p> <p>The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: https://ec.europa.eu/jrc/</p> <p>Within the Directorate for Competences, the Text and Data Mining Unit aims to develop, provide access to, and apply text and (big) data mining, management, and analysis.</p> <p>Within this Unit, the Big Data Analytics project is running a versatile multi-petabyte scale platform for the processing, interactive analysis, linking, and exploratory visualisation of multiple data sources for generating policy relevant insights and foresight. The Unit provides in addition: (i) guidance on the use of statistical data mining methods as well as text and geospatial data mining and analysis; (ii) one-stop-shop for tools, services and training for the EU institutions and strategic partners to support their needs in the fields of open sources intelligence, media monitoring, information harvesting and analysis as well as innovation monitoring, statistical data mining and visualisation; (iii) set-up of Competence Centres in these areas as appropriate.</p> <p>The Big Data Analytics project is offering a position for a data scientist specialised in machine learning and data-intensive computing to support the project team in implementing innovative approaches for data processing and analysis. The main tasks of the successful candidate are as follows:</p> <ul style="list-style-type: none">• Analyse, test and deploy free and open-source technologies for data science;• Design and implement machine learning workflows including training of artificial neural networks and performance evaluation;• Fine-tune analysis workflows to maximise their efficiency and effectiveness whether CPU- or GPU-based;• Provide data science expertise to the users of the JRC Big Data Platform;• Contribute to training activities as well as technical reports and scientific publications. <p>He/she will collaborate closely with the other members of the team and users of the platform. He/she will write and maintain up-to-date documentation of all technical systems and software developed including the use of version control systems.</p> |
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| | <p>Qualifications:</p> <p>A university degree in computer science, mathematics/statistics, or engineering attested by a diploma and giving access to doctoral studies plus at least 5 years of full-time working experience in data science or, alternatively, a doctoral degree directly related to data science.</p> <p>Additional requirements:</p> <ul style="list-style-type: none"> • Experience with state-of-the-art data science techniques including deep learning frameworks; • Extensive experience with Python programming language and open-source data science packages; • Hands-on experience with model training; • Experience with data-intensive computing; • Peer-reviewed publication(s) demonstrating the use of machine learning in an application domain. <p>The following experiences and knowledge would be an advantage:</p> <ul style="list-style-type: none"> • Practical experience with the analysis of data associated with a geolocation; • Experience with large-scale analysis using orchestrators and HTC/HPC workload managers; • Experience with Jupyter dashboarding and Docker environments; • Experience with Unix/Linux environment. <p>A very good working knowledge of English (B2 level) is required. Furthermore, team spirit and the capability of working in an international/multicultural environment are required.</p> |
| <p>Directorate Unit</p> | <p>Competences Text and Data Mining</p> <p>Further information: https://ec.europa.eu/jrc/</p> |
| <p>Indicative duration</p> | <p>36 months initial contract with possible renewals up to maximum 6 years</p> |
| <p>JRC Site Country</p> | <p>Ispra Italy</p> |
| <p>Rules and eligibility</p> | <p>The candidate must be on a valid EPSO reserve list for Function Group IV contract staff.</p> <p>If you are not in any valid EPSO reserve list for Function Group IV contract staff, you can still apply by following these steps.</p> <p>You express your interest by applying to the CAST Permanent or to the permanent JRC Call for researchers.</p> <p>1. CAST Permanent: open-ended selection procedure to create a pool of candidates from which the institutions, bodies, offices and agencies of the European Union (EU) can recruit</p> |

contract agents.

https://epso.europa.eu/documents/2240_en

2. JRC Call COM/1/2015/GFIV – Research: open-ended selection procedure to create a pool of candidates from which mainly the JRC can recruit contract agents FGIV as researchers. Details available at the link below:

<https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers>

Only then you can apply for this specific position, through <http://recruitment.jrc.ec.europa.eu/?type=AX>

Auxiliary contract staff:

<https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members>

Article 3b of the Conditions of Employment of Other Servants of the European Union applies: the actual period of employment within the Commission under this type of contract, including any period under renewal, shall not exceed 6 years.

Please note that in case a high number of applications is received only shortlisted candidates will be contacted.