

【Medical】メディカル本部 エビデンス オブザベーショナルリサーチ統括部 Data Scientist

> アストラゼネカ株式会社での募集です。 メディカルデータマネジメントのご経験のあ...

Job Information

Recruiter
JAC Recruitment Co., Ltd.

Hiring Company
アストラゼネカ株式会社

Job ID
1617651

Industry
Pharmaceutical

Company Type
International Company

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards

Salary
7 million yen ~ 10 million yen

Work Hours
09:00 ~ 17:15

Holidays
【有給休暇】初年度 10日 1か月目から 【休日】完全週休二日制 年末年始 【有給休暇】※入社月により付与日数が異なります。詳...

Refreshed
November 26th, 2026 02:00

General Requirements

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Native Level

Minimum Education Level
Post Grad Degree (PHD/MBA etc)

Visa Status
Permission to work in Japan required

Job Description

【求人No NJB2402703】
■職務内容 / Job Description
The Data Scientist（DS） is a strategic scientific role within Medical Data Science responsible for generating real world evidence（RWE） to address crucial research questions across the product lifecycle and Data science perspective.

Data science research activities are planned and delivered using cutting edge scientific approaches methodologies technologies processes and solutions within the pharmaceutical industry. And this role helps deepen understanding of unmet medical needs treatment patterns clinical outcomes safety effectivenees in real world settings by leveraging epidemiological expertise healthcare data advanced analytics and fit for purpose AI technologies etc.

The Data Scientist translates complex data into actionable scientific insights that inform Medical R D and cross functional decision making. The role reports to the Director of Data Science or Sr. Data Scientist Medical.

・ Lead/co lead observational/database research and data analysis including Market/R D analysis
・ Assess study design/target population/data source/data handling/analytical method and give clear inputs from an epidemiological point of view
・ Oversee venders and manage timeline quality of outputs resource cost of their responsible researches
・ Survey assess the necessary information for database and recommend database that fits for research/analytical purpose
・ Identify evaluate and implement fit for purpose AI and generative AI use cases within evidence generation and data science workflows.
・ Support for PARCS led by Pharmacovigilance department

Required Skills

■応募資格（経験、資格等）/ Qualification（Experience Skill etc.）
【経験 / Experience】
< 必須 / Mandatory >
・ Experience working in the healthcare industry.
・ Design analyse interpret and publish research in Data Science Epidemiology Clinical Research or Statistics.
・ Experience in designing and conducting research using healthcare real world data such as claims DPC EMR/EHR including unstructured data registries clinical databases or comparable healthcare datasets.
・ Experience in preparing or substantially contributing to research protocols analysis plans study reports manuscripts or other scientific documentation.
・ Lead members responsible for conducting clinical/epidemiologic research; analysing data; and interpreting data related to efficacy safety clinical effectiveness and epidemiological assessments.
（Leadership focused primarily on scientific aspects is acceptable.）
・ Prepare manuscripts in their area of expertise.

< 歓迎 / Nice to have >
・ Experience working with and analyzing unstructured data including clinical text and other healthcare data.
・ Reviewing assessing and using Real World Data to address clinical and research questions.
・ Networking integrating and using EMR（electronic medical records）/ EHR（electronic health records）data for clinical or epidemiological research.
・ Using or applying bioinformatics methodologies to analyse medical data databases or scientific research.

【資格 / License】
< 必須 / Mandatory >
・・Master’s degree in public health or equivalent（individuals holding Data Science/Engineering/Pharmaceutical science/biostatistics degree are acceptable but should have had the sufficient experience specialized in clinical development/epidemiological research）

< 歓迎 / Nice to have >
・・PhD in Data Science/Engineering/Pharmaceutical science/biostatistics or MD degree is desirable

【能力 / Skill set】
< 必須 / Mandatory >
・ Apply appropriate study designs and analytical methods to observational epidemiological database or pragmatic interventional studies balancing business and scientific objectives.
・ Define or assess study design target population data source data handling outcomes/endpoints and analytical methods from an epidemiological point of view.
・ Lead the interpretation of scientific data translate findings into appropriate scientific messages and draft relevant scientific publications.
・ Take a leadership role in analysing medical evidence gaps identifying opportunities and requirements for evidence generation and integrating these into clear evidence plans or options within cross functional teams.
・ Assess scientific feasibility in using or integrating databases for research purposes including consideration of data quality coverage and limitations.
・ Have hands on experience using SAS R or Python to process analyse and visualise healthcare clinical or scientific data. Experience with SAS is preferred.
・ Apply appropriate statistical and epidemiological approaches to address bias confounding missing data and other data limitations as relevant to the research question.
・ Identify evaluate and implement fit for purpose AI and generative AI use cases within evidence generation and data science workflows.
・ Apply AI including generative AI to improve the efficiency quality reproducibility and scientific value of data science work beyond simplifying routine tasks.
・ Manage projects through planning execution and assessment and apply appropriate tools frameworks and concepts to improve the effectiveness and performance of project teams.
・ Demonstrate strong communication and interpersonal skills to enable effective scientific leadership coaching and collaboration with internal stakeholders external experts and cross functional teams.

< 歓迎 / Nice to have >
・ Practical experience using generative AI tools such as ChatGPT Claude Gemini or equivalent approved tools in research analytics literature review scientific writing coding text analysis or knowledge management workflows.
・ Develop prompts or reusable workflows to obtain accurate useful and appropriately reviewed outputs from generative AI.

・ Experience in applying appropriate human review output quality assessment confidentiality and data governance considerations when using generative AI.
・ Apply Health Technology Assessment to clarify drug characteristics and value.

【語学 / Language】
< 必須 / Mandatory >
・日本語 Japanese：
・ Read/write scientific documents including data speculation in Japanese
・ Communicate/discuss IT/bioinformatics topics with the key stakeholders and experts in Japanese practically

英語 English：
・Read/write scientific documents including data speculation in English
・ Communicate and discuss IT/bioinformatics topics with the key stakeholders and experts in English practically
・ Make a English presentation ・leading and facilitating research discussions in the global meetings

【その他 / Others】
< 必須 / Mandatory >
・ Develop training plans or guidance for analytical applications tools or workflows as needed.
・ Harmonise processes with Global teams.
・ Communicate with external experts data partners and internal IT/digital stakeholders to identify suitable analytical or computing environments within AstraZeneca K.K.
・ Continuously learn and apply new methodologies and knowledge related to epidemiology healthcare data machine learning neural networks AI and generative AI as relevant to the role.

< 歓迎 / Nice to have >
・ Experience sharing best practices providing training or supporting adoption of new analytical methods digital tools or AI solutions within a team or organisation.

Company Description

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