



Data Scientist (Specialist)

三菱商事の扱う幅広い産業のDXプロジェクトマネージャー

募集職種

人材紹介会社
株式会社PROGRE採用企業名
グローバルな産業領域において予測と最適化を組み合わせたシステムの検証・開発する企業求人ID
1542287業種
インターネット・Webサービス外国人の割合
外国人 少数雇用形態
正社員勤務地
東京都 23区給与
700万円 ~ 1800万円勤務時間
9:15~17:30 フレックス制度あり：コアタイム 11:00~16:00休日・休暇
土日祝日、年末年始および会社指定日更新日
2025年05月24日 15:19

応募必要条件

職務経験
3年以上キャリアレベル
中途経験者レベル英語レベル
ビジネス会話レベル (英語使用比率: 常時英語)日本語レベル
基礎会話レベル最終学歴
大学卒：学士号現在のビザ
日本での就労許可が必要です

募集要項

Summary

This position requires utilizing machine learning and statistical models to extract valuable insights from customer information

in order to solve customer issues.

We are particularly interested in engineers with expertise in advanced model development, feature engineering, and optimization methods, with a proven track record in Kaggle competitions and research-level machine learning algorithm development experience.

Main Responsibilities

1. Design, implementation, accuracy evaluation, and improvement of machine learning and deep learning models
2. Pre-processing and feature engineering of large-scale data
3. Analysis and predictive modeling of time-series and unstructured data
4. Producing technical reports based on analysis results
5. Automation of analysis pipelines and development of MLOps environment

Case Study

We started in earnest in December 2019 and have worked on the following projects.

[Demand Forecasting]

1. Demand forecasting in the food distribution industry
2. Demand forecasting for parts in the automotive industry
3. Power generation forecasting in the renewable energy industry
4. Commodity price forecasting in the financial industry

[Mathematical optimization]

1. Mathematical optimization for minimizing inventory and shortages in the food distribution industry
2. Mathematical optimization of warehouse inventory in the automobile industry
3. Optimization of steel sheet cutting operations and delivery of components in the steel industry · Combinatorial optimization to improve delivery efficiency in the distribution industry
4. Truck layout optimization to improve production per cost in the mining industry

[Personalization]

1. Churn forecasting for subscription business in the electric power industry
2. Customer analysis and marketing support in the automotive industry
3. Default forecasting in the banking and finance industry

You can be involved in a wide range of global industries (industrial plants, logistics, energy, retail, food, healthcare, urban development, mobility, power, chemicals, metal resources, etc.) that Mitsubishi Corporation handles. In addition to development, you will also be able to take the initiative in creating your own business by entering into projects from the planning stage of new business with MC's staff.

Not only PoC, but data scientists and software engineers work together to develop models created by data scientists, and work all the way through to the provision of production systems and AI SaaS.

Tech Stacks:

1. Machine learning : PyTorch, LightGBM, Optuna, etc.
2. Reinforcement Learning : Stable Baselines
3. Machine Learning Efficiency : Luigi, Kubeflow Pipelines
4. Mathematical Optimization : OR Tools, Gurobi, etc.
5. Google Cloud Infrastructure: Google Compute Engine, Google Cloud Storage, BigQuery, Vertex AI, etc.
6. Collaboration tools: Slack, Github, Confluence, etc.

About our employees

We have about 80 employees, half of whom are software engineers and data scientists. Many of our software engineers are former employees of well-known tech companies. Our data scientists include top rankers in the Kaggle programming contest, medalists in the International Olympiad of Informatics, and PhD holders.

スキル・資格

Required Skills:

1. Experience in data analysis or machine learning model development using Python
2. Basic knowledge of SQL and databases

3. Experience using version control tools such as Git
4. Basic knowledge of statistics
5. Business level Japanese or English skills

Preferred Skills:

1. Top rankings in Kaggle competitions or equivalent
2. High performance in programming contests
3. Experience in publishing papers in prestigious international conferences or journals in the field of machine learning
4. Experience contributing to OSS
5. Experience in solving problems by mathematical optimization
6. Experience developing machine learning models on cloud services such as Google Cloud
7. Experience in team development or problem solving
8. Familiarity with reinforcement learning, generative AI, or time series prediction

会社説明