Data Scientist

No Japanese needed - Data Scientist

Job Information

Recruiter
Coto World Inc.

Hiring Company
Famous Large Japanese Tech Company

Job ID
1564519

Industry
Internet, Web Services

Company Type
Large Company (more than 300 employees)

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards, Setagaya-ku

Train Description
Tokyu Denentoshi Line Station

Salary
7 million yen ~ 10 million yen

Refreshed
November 3rd, 2026 11:00

General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
None

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

- Problem definition for ad delivery optimization and the design of KPIs/metrics, along with observability (dashboards and alerts).

- Data preprocessing, feature engineering, modeling, and offline evaluation (including simulation) for price optimization, CTR/CVR and value prediction, and creative optimization.

- Online deployment and experiment design: A/B tests/bandits, calibration, rollout strategy planning, effectiveness evaluation, and continuous improvement.

- Production operations and MLOps: building training/inference pipelines; monitoring and drift detection; model updates and automated rollback; quality and privacy governance.

- Collaboration with internal stakeholders (product, engineering, sales/operations) on requirements definition, decision support, documentation, and knowledge sharing.

Required Skills

- 5+ years of hands-on experience in data analysis and machine learning using Python and SQL; proficiency with Pandas/NumPy/scikit-learn and data visualization tools

- Experience processing large-scale data (e.g., Spark, BigQuery) and building reproducible analytics environments (using notebooks and repositories together, code reviews, testing)

- Solid foundation in statistics, probability, causal inference, and experimental design (hypothesis testing, sampling, A/B test design and analysis, effect size estimation)

- Experience developing machine learning models (regression, classification; tree-based methods/GBDT/logistic regression/simple neural networks) with rigorous evaluation design (offline/online metrics, calibration)

- Foundational knowledge of online/digital advertising (CTR/CVR prediction, bidding and budget pacing, ad serving control, KPI optimization) or practical optimization experience in adjacent domains

- Feature engineering oriented toward price and serving optimization use cases; data quality management, leakage prevention, and handling delayed/late-arriving labels

- Production experience (model deployment, scheduling/pipeline operations, monitoring, implementing and operating drift detection)

- Communication skills for collaborating with stakeholders on requirements definition, analysis design, and decision support (including explaining and visualizing deliverables)

Company Description