Senior Data Scientist — Data & ML Solutions (US)

Company: Amazon

Role family: DS | Seniority: Senior | Location: United States (customer-facing / solutions teams)

Source (public posting): https://www.amazon.jobs/en/jobs/3139664/senior-data-scientist-data-and-machine-learning-wwps-us-federal

Cluster demand (ground-truth): {"DS": 0.7, "MLE": 0.15, "SWE": 0.1, "QR": 0.05, "QD": 0.0}

Reconstruction method: normalized sections + paraphrased responsibilities/qualifications for QA use.

ROLE SUMMARY
You will lead analytics and modeling work to solve complex, data-intensive problems. This role emphasizes statistical thinking, stakeholder engagement, and translating business needs into measurable models and experiments.

KEY RESPONSIBILITIES
• Frame ambiguous problems into hypotheses, metrics, and an analytical plan.
• Build predictive and prescriptive models using structured and unstructured data sources.
• Design evaluation and experimentation approaches; communicate trade-offs and uncertainty.
• Work with engineering partners to productionize models and data pipelines.
• Present insights and recommendations to technical and business stakeholders.

REQUIRED QUALIFICATIONS
• Strong statistics and machine learning fundamentals.
• Proficiency in Python and SQL for analysis and modeling.
• Experience delivering analyses/models that influenced product or business decisions.

PREFERRED QUALIFICATIONS
• Causal inference or experimentation expertise.
• Experience building data products with engineering teams at scale.