Associate Data Scientist (Columbus, OH / Indianapolis, IN)

https://aviso.formstack.com/forms/avisoapp

Founded in 2012, Aviso Retention is higher education's first Student Success Engagement Engine, and we need your help! Through the skills you’ve learned, we want you to bring your best ideas around predictive modeling, machine learning, and AI to work with our passionate team of Data Scientists on the most difficult problem in our industry...keeping students engaged, optimizing the chances of student success, and avoiding attrition. Please visit avisoretention.com to learn more about our company.

Position Overview

This position will be responsible for defining new and managing existing analytic workflows, creating analytic data sets supporting student predictions and recommendations, training and deploying institutional-specific predictive algorithms, and creating analytic reporting processes to support internal (e.g. Client Success, Marketing, etc..) and customer information requests.

Primary Responsibilities

- Develop predictive algorithms to optimize the student experience and increase success outcomes.
- Interact with the professional services team during new customer implementations to configure, train and deploy predictive algorithms.
- Create processes to monitor model performance and data accuracy and to perform maintenance if necessary.
- Assess the effectiveness and accuracy of new data sources and data gathering techniques for enhancing predictive methods.
- Manage the design and delivery of data visualizations to support internal teams and external customers.
- Communicate technical/analytical information verbally and in written reports.

Qualifications

- Bachelor’s or Master’s degree required in a highly technical/mathematical discipline (ie; statistics, mathematics, quantitative analysis, computer science, etc...).
- Experience with predictive methods along with extensive knowledge of statistical theory and data mining techniques. Prior experience in a higher education setting is preferred.
• Experience querying databases and using statistical computing languages (SAS, R, Python, etc.) to manipulate data and draw insights from large data sets. Advanced SQL programming (e.g. PostGres, MySQL, MSSQL, PL/SQL) is a plus.

• Experience working with and creating data science / analytic workflows.

• Experience creating and using machine learning algorithms in cloud based environments such as AWS and statistical/data mining methods: GLM/regression, random forest, simulation, statistical tests, text mining, clustering, decision trees, neural networks, etc...

• A business-oriented mindset with a comfort working in a highly entrepreneurial environment and a drive to learn and master new technologies and techniques.

**Applicant Instructions:**

• All applicants must be legally eligible to work in the United States. No visa sponsorship available at this time.

• Applicants can submit their resume and cover letter online by visiting: https://aviso.formstack.com/forms/avisoapp