

TITLE: Senior Data Scientist

JOB ID: 427922

RESUME TO: Please email to recruitment@gra-inc.com, reference Job ID 427922

LOCATION: Alexandria, VA

DUTIES:

Use business intelligence software, such as Tableau, Microsoft SQL, Python and R, to create histograms, percentile distribution charts, and correlation matrices to determine various methods to correlate metrics; draft reports, dashboards, and presentations to summarize findings regarding operational performance data at the individual airport level, and submit reports to senior management; apply machine learning using Support Vector Machines (SVM) models to improve predictive capabilities for the capacity of airports; develop extract, transform, learn (ETL) processes to pull data on a regular basis for input into forecasts; create scripts to access data more efficiently and accurately; develop dashboards to automate reporting of Air Traffic Organization's key performance indicators; develop statistical methods to detect and adjust extreme data outliers; support the Office of Performance Analysis with on-going ad-hoc and benchmarking projects. Eligible for up to 100% remote work, must be available to work within Eastern time zone hours.

EDUCATION/REQUIREMENTS:

Master's degree (or foreign equivalent) in Engineering (any), Mathematics, or a closely related field, plus 6 years of experience with programming languages including R or Python; interfacing with a database using SQL or PL/SQL; using Microsoft analytical software including Excel or Access; and using data visualization tools including Tableau or R Shiny including knowledge of best practices in data visualization. 3 years of experience applying machine learning to improve prediction of outcomes based on historical data. 1 year of programming experience in R or Python for querying large datasets. 1 year of experience presenting technical data analysis to business stakeholders. In lieu of a Master's degree, the employer will accept a Bachelor's degree plus 8 years of experience in the skills above. Eligible for up to 100% remote work, must be available to work within Eastern time zone hours.