

Contract Data Analyst/Scientist - Job Description

At Interpersonal Frequency, we're committed to using data to create better digital government experiences. Our core purpose is to enable all communities to engage with their governments via digital channels. We have a vast lake of data gathered using our proprietary government website analytics tool, Voice of Citizen®, as well as data streams from other methods and tools. We are seeking a contract position data expert to help us further analyze this data to deepen our understanding of website metrics and performance. This individual will work closely with the User Experience Strategy team (including the Voice of Citizen® team), sharing their findings and collaborating on new directions for investigation. This will start with a short-term engagement of 3-6 months, with the possibility of extended/additional work.

Goals of this engagement:

- Analyze website performance and user experience data from a variety of streams to determine potential correlations, intersections, etc.
- Collaborate with the User Experience Strategy team to communicate findings and strategize additional paths for investigation.
- Collaborate with the Voice of Citizen® team to understand current data analysis practices, including how these findings are presented to clients and map potential improvements.

Required skills and qualifications:

- Two or more years of experience with data analysis and data science
- Experience creating effective graphs, visualizations, and dashboards to relay business concepts through visuals to stakeholders
- Experience with multivariate analysis, including developing multivariate metrics for ongoing measurement, evaluating their strength, and fine-tuning them to deliver meaningful assessments
- Using statistical tools to identify, analyze, and interpret patterns and trends in complex data sets could be helpful for the diagnosis and prediction
- Experience with database and model design and segmentation techniques
- Ability to clearly communicate data methods and findings with a non-technical audience

Preferred skills and qualifications:

- Experience with Mixpanel, Google Analytics, and/or other website analytics platforms
- Experience interacting with and collaborating with senior decision makers.
- Knowledge or experience in leveraging machine learning and AI for data analysis. Examples include:
 - Quantitative Data Analysis Leveraging:
 - Linear Regression
 - Random Forest

- Gradient Boosting
- Clustering (e.g., K-Means)
- Qualitative Data Analysis:
 - Natural Language Processing (NLP)
 - Sentiment Analysis
 - Topic Modeling (e.g., Latent Dirichlet Allocation)
 - Decision Trees for Classification

Technical expertise:

- Tableau
- Google Suite
- Proficiency in R or Python

If interested, please contact:

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