

Shretij (Shre) Kapoor
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Greetings,

I'm writing to express my keen interest in the [Job Title] position at the [Company Title]. Given my background in Computer Science/Applied Mathematics and various interpretative courses in the humanities and social sciences, after graduating from Brown University, I hopefully could combine insights to solve the computational and interpretative challenges which this role entails.

Namely, through my work studying populism in Europe through election survey data, I was able to combine my knowledge of Political Science to probe the relevant questions and then employ machine learning algorithms, including k-means clustering, decision tree classification, and various regression techniques, to predict which countries would select 'populist' candidates. Likewise, I envision employing similar strategies to analyze datasets and problem-solve research tasks to help predict and analyze social behavior. Similarly, through a project with the Data Science Club, I helped track sentiment about climate change, combining social science and data science, to help predict shifts in public opinion about measures to mitigate the impacts of this crisis, employing various packages like dplyr and ggplot2 in R to track, statistically test, and visualize user data from the Twitter API, and using text mining and NLP techniques. I envision analyzing data at [Company Title] using similar techniques to delve beyond the first layer of understanding to help promote effective and efficient methodological practices, to analyze and distill varied data sources to develop relevant insights, and to then communicate findings clearly and coherently to audiences.

Given both my proficiency in computational techniques and my capacity to probe the relevant social, geographical, and cultural trends to pose relevant questions about datasets, I feel that I would be especially suited to address the responsibilities of this placement. I can be reached via email (shretij_kapoor@alumni.brown.edu) or via phone (651-235-8188). Thank you for your time and consideration and I look forward to speaking with you about this opportunity.

Sincerely,

Shre Kapoor