



Data Scientist / Researcher

The National Whistleblower Center is currently involved in a project where the goal is to research the concerns of employees who have witnessed misconduct and to better understand potential barriers to reporting misconduct.

The project will use open-source intelligence gathering, digital marketing, data mining and analysis.

What We Are Looking For

The team is seeking a data scientist with Python or R experience who can help us connect to these websites using their API, to mine *and* analyze conversation or comment data to develop further insights. This data scientist should also be able to illustrate how to use these data mining and analysis techniques to the team for ongoing data mining processes.

In specific the ideal candidate will be able to effectively engage in:

- Using Python or R to connect with Reddit API (PRAW) and pull all comments in a specific subreddit containing a specific keyword into a CSV file for further manual and machine-learning analysis;
- Using Python or R to connect with the Twitter API and pull comments containing specific keywords into a CSV file for further manual or machine-learning analysis. We would also like to visualize our findings in various ways;
- Using Python or R to connect with Glassdoor API to pull comments, company ratings over time, job descriptions, and other review data so that we can correlate this with our research findings;
- Scraping websites such as TheLayoff.com for comments containing keywords that we have identified to be indicators of fraud. Using tools such as Octaparse, Parsehub, or any tool that can accurately locate key conversations.

This is a part-time contract position and compensation is commensurate with experience and availability. Please contact NWC at info@whistleblowers.org, with your resume and a brief letter of interest to be considered.