**Data Analysis Report**

As requested, the data has been analyzed using SQL queries, as well as utilizing Pandas and Seaborn libraries to supply clear visualizations of the data.

**Top paying fields in NYC**

A screenshot of a computer

Description automatically generated

**RESULTS:**

The department of Corrections currently holds 8 of the top 22 paying jobs in NYC. This also shows a possible shortage of workers to fill these spots.

The following graph shows the correlations of number of job openings per Agency.

**A graph of a number of post

Description automatically generated**

**Job Market Trends over time:**

A graph with blue line

Description automatically generated

**RESULTS:**

Job market trends show a sharp spike in the last quarter of 2023. Many of the new vacancies were filled in the first quarter of 2024, but this still shows a need for heavy recruitment.

**Experience Level compared to number of Job postings:**

A graph of a number of pink squares

Description automatically generated with medium confidence

RESULTS:

This analysis shows that experienced workers are in highest demand. This presents issues filling these roles as many jobseekers lack the required work experience to be considered for these positions.

**Top Entry-Level, Full-Time Openings:**

A screenshot of a computer

Description automatically generated

This graph shows the top entry level jobs. Many applicants lack experience to gain high-level roles, so filtering jobs to career level can assist in job searching. As shown, the top paying entry level jobs require hands-on aptitude.