
Open Jobs in the City of New York

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From the City of New York's official jobs site (<http://www.nyc.gov/html/careers/html/search/search.shtml>), we access the dataset contains current job postings available. This dataset is provided by Department of Citywide Administrative Services (DCAS) and updated on December 27, 2016. There are 4016 observations in this dataset. Information collected including job ID, agency, posting type, number of positions, salary range, work location, job description, requirements for qualifications, recruitment contact information, posting date, etc.

- **Who has the most openings?**

DEPT OF HEALTH/MENTAL HYGIENE has 1441 available positions, which is the agency with the most openings.

- **Which departments have the highest and the lowest paying positions? (based on current job openings)?**

Base on annual salary:

	Department	Corresponding Job ID	Salary Range
Highest among the minimum salary	Administration from DEPT OF ENVIRONMENT PROTECTION	197355	\$198518-\$198518
Highest among the maximum salary	STD Medical Services from DEPT OF HEALTH/MENTAL HYGIENE	274089	\$157725-\$225363
Lowest among the maximum salary	OCME-DNA from DEPT OF HEALTH/MENTAL HYGIENE	193881	\$29437-\$29437
Lowest among the minimum salary	Neon from DEPARTMENT OF PROBATION	274311	\$25781-\$36330

Base on hourly salary:

	Department	Corresponding Job ID	Salary Range
Highest among the minimum salary	Customized Assist Svc-NM from HRA / DEPT OF SOCIAL SERVICES	234917	\$76-\$76
Highest among the maximum salary	Immunization Registry from DEPT OF HEALTH/MENTAL HYGIENE	215868	\$68-\$87
Lowest among the maximum salary	Administration from OFFICE OF COLLECTIVE BARGAININ	170989	\$9-\$10
Lowest among the minimum salary	Administration from OFFICE OF COLLECTIVE BARGAININ	170989	\$9-\$10

** Since there is no information indicating whether the hourly-paid jobs are full-time, this report does not include the salary comparison between hourly-paid positions and annual-paid positions.

- **Which jobs do you think are the hardest to fill?**

I think Graphic Artist (Job ID: 86699) is the hardest position to fill, because the original posting date is May 10, 2011, and the position is still open on December 27, 2016. This position has the longest recruiting process. In addition, the salary range is from \$ 38443 to \$60241. The wide range indicates that it is hard to measure the value the future graphic artist may create, hence it is difficult to find the ideal candidates.

Code Link: <https://github.com/Ingveyyy/Work-Market/blob/master/Open%20Jobs%20in%20NYC.ipynb>