

## DATA ANALYST (EDUCATIONAL RESEARCH AND EVALUATION)

Date Published: 02/22/2019

Exam Date: 05/11/2019

Open Competitive Examination #: 63-782

Promotional Examination #: None

Application Deadline: 03/26/2019

Application Filing Fee (Non-Refundable): \$15.00

ALL APPLICATIONS MUST BE FILED WITH THE ONONDAGA COUNTY PERSONNEL DEPARTMENT AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

\$15.00 Non-Refundable Application Fee You are, therefore, urged to carefully compare your qualifications with the requirements for admission and file only for those examinations for which you are clearly qualified. Payable by check or money order to: Chief Fiscal Officer, or by VISA, MC or Discover. Cash will be accepted only if paying in person.

SALARY AND VACANCIES: Changing conditions may make it necessary to certify vacancies at higher or lower salaries than those announced.

The title currently exists in the following jurisdiction:  
Syracuse City School District - \$64,630

The resulting open competitive eligible list will be used to fill vacancies in any jurisdiction where the title exists.

DUTIES: The Data Analyst informs and conducts data analysis and interpretation on the City School District research and evaluation efforts to inform District programs, instruction, and curriculum. The incumbent applies data analysis and data delivery skills to support school and overall system improvement efforts, particularly in relation to persistently low-performing schools within the City School District. Does related work as required.

RESIDENCE REQUIREMENT: OPEN COMPETITIVE examination candidates must have resided in the United States of America or one of its territories for not less than one (1) month immediately preceding the date of exam. Preference in appointment may be given to local residents. Appointments to positions in some municipalities are subject to residence requirements pursuant to local laws.

**MINIMUM QUALIFICATIONS: On the date of examination, candidates must meet the following requirements:**

### **OPEN COMPETITIVE QUALIFICATIONS:**

**A. Graduation from a regionally accredited NYS registered college or university with a Masters Degree in Instructional Design, Instructional Technology, Educational Psychology, Statistics, Public Administration, Business Administration, Economics, Research, Education, Sociology, Political Science or Psychology or a closely related field; OR,**

**B. Graduation from a regionally accredited or NYS registered community college with a Bachelors Degree in (A) above and one (1) year of work experience, or its part-time equivalent, in evaluating education systems or institutional research and planning which includes research, evaluation, data collection and analysis; OR,**

**C. Five (5) years of work experience, or its part-time equivalent, in evaluating education systems or institutional research and planning which includes research, evaluation, data collection and analysis.**

Volunteer Experience: Volunteer experience will be allowed to substitute for paid work experience as long as the volunteer experience is equivalent in nature to the paid work experience required for the position.

SUBJECT OF EXAMINATION: There will be a written test, which you must pass in order to be considered for appointment. The written test will be designed to test for knowledge, skills and/or abilities in the following areas:

#### 1. Descriptive and inferential statistics

These questions test for knowledge of statistical methods and techniques and their application. The questions will cover such areas as central tendency and variability, the normal distribution, hypothesis testing, statistical significance testing, probability, correlation and regression, parametric and nonparametric statistics, and analysis of variance.

The questions are primarily conceptual, but you may be required to do some manipulation of data.

#### 2. Evaluating conclusions in light of known facts

These questions will consist of a set of facts and a conclusion. You must decide if the conclusion is proved by the facts, disproved by the facts or if the facts are not sufficient to prove or disprove the conclusion. The questions will not be specific to a particular field.

### 3. Preparing written material

These questions test for the ability to present information clearly and accurately, and to organize paragraphs logically and comprehensibly. For some questions, you will be given information in two or three sentences followed by four restatements of the information. You must then choose the best version. For other questions, you will be given paragraphs with their sentences out of order. You must then choose, from four suggestions, the best order for the sentences.

### 4. Understanding and interpreting tabular material

These questions test your ability to understand, analyze, and use the internal logic of data presented in tabular form. You may be asked to perform tasks such as completing tables, drawing conclusions from them, analyzing data trends or interrelationships, and revising or combining data sets. The concepts of rate, ratio, and proportion are tested. Mathematical operations are simple, and computational speed is not a major factor in the test. **You should bring with you a hand-held battery- or solar-powered calculator for use on this test. You will not be permitted to use the calculator function of your cell phone.**

### 5. Understanding and interpreting written material

These questions test for the ability to understand and interpret written material. You will be presented with brief reading passages and will be asked questions about the passages. You should base your answers to the questions only on what is presented in the passages and not on what you may happen to know about the topic.

TEST GUIDE: The New York State Department of Civil Service has not prepared a test guide for this examination. However, candidates may find information in the publication "How to Take a Written Test" helpful in preparing for this test. This publication is available on line at:  
<http://www.cs.ny.gov/testing/testguides.cfm>.

**CALCULATORS:** Use of calculators is **RECOMMENDED** for this exam. Candidates should bring quiet, hand-held, solar or battery powered calculators. Devices with typewriter keyboards, 'Spell Checkers,' 'Personal Digital Assistants,' 'Address Books,' 'Language Translators,' 'Dictionaries,' or any similar devices are prohibited. You may not bring books or other reference materials. You may not bring cellular phones, beepers, pagers, or headphones.

**APPLICATION INSTRUCTIONS:** Applications and credit card payment forms may be obtained in person from the Onondaga County Department of Personnel, by mail (include a self-addressed, stamped envelope) or downloaded at [www.ongov.net/employment/document\\_center](http://www.ongov.net/employment/document_center)

**APPLICATION FEE:** Although a separate application is required for each examination number, candidates applying for more than one examination may pay all fees with a single check/money order or credit card form. You may pay by check, money order or by VISA, MasterCard, or Discover, payable to Chief Fiscal Officer. Cash will be accepted only if paying in person. Payment must accompany your application(s) (indicate examination number(s) on your check or money order). We do not accept applications by fax.

**APPLICATION FEES ARE NON-REFUNDABLE.** You are, therefore, urged to carefully compare your qualifications with the requirements for admission and file only for those examinations for which you are clearly qualified. If proofs (i.e. copy of license, certification, or transcript) are required, be sure that they accompany your application. If you want Proof That You Submitted Your Application and/or Examination Fee, ask for a receipt or, if mailing your application, enclose a stamped, self-addressed envelope and request a receipt.

**NOTE:** A bounced check fee will be charged to you for any checks returned. Unless such fees are paid in full, you will not be permitted to participate in any examination(s) or be considered for appointment from resultant eligible lists. In addition, any subsequent application fees will not be refunded unless all such fees are paid in full.

**FEE WAIVER:** A waiver of application fee will be allowed if you are unemployed and primarily responsible for support of a household. In addition, a waiver of application fee will be allowed if you are determined eligible for Medicaid, or receiving Supplemental Security Income payments (SSI); or Public Assistance (Temporary Assistance for Needy Families/Family Assistance of Safety Net Assistance); or are receiving Foster Care or are certified Workforce Investment Act eligible through a State or local service agency. A waiver of application fee will also be allowed if you are an Onondaga County resident and have honorably served or are now honorably serving in the Armed Forces, National Guard or Reserves (attach DD214, NGB-22, or current DD2-Military ID card or a Statement of Honorable Service from Unit to completed Application Fee Waiver Request and Certification form). All claims for application fee waiver are subject to verification. If you can verify eligibility for application fee waiver, complete an Application Fee Waiver Request and Certification form and submit it with your application by the close of business at 4:30pm on the last file date as listed on the Examination Announcement.

The Application Fee Waiver Request and Certification form can be found in our office lobby or on our website in the Document Center.

**EVALUATION OF FOREIGN POST-SECONDARY EDUCATION:** If your degree and/or college credit was awarded by an educational institution outside of the United States or its territories, you must provide independent verification of equivalency. A list of acceptable companies providing this service may be

obtained in person from the Onondaga County Department of Personnel or downloaded at [www.ongov.net/employment/document\\_center](http://www.ongov.net/employment/document_center). You will be responsible for the required evaluation fee.

**ADDITIONAL CREDIT TO CHILDREN OF FIREFIGHTERS AND POLICE OFFICERS KILLED IN THE LINE OF DUTY:**

If you are qualified to participate in this examination and are a child of a firefighter or police officer killed in the line of duty, please inform this office of this matter when you submit your application for examination.

**VETERAN CREDITS:** War veterans applying for additional credit must submit a copy of their DD-214 (discharge papers) with their application for examination or by one month following the date of examination. Veterans Credit Instructions and Application Forms are available in person from the Onondaga County Department of Personnel or downloaded at [www.ongov.net/employment/document\\_center](http://www.ongov.net/employment/document_center).

**APPLICATION DEADLINE POLICY:** All applications along with application fees or proofs of waiver must be submitted to the Onondaga County Department of Personnel before the close of business at 4:30 p.m. on the date of last file as listed on the Examination announcement. Applications received via U.S. Mail will be accepted only if postmarked on or before the Application Deadline. Applications that are received through inter-office mail after the Application Deadline or that are submitted to any other department, office or agency and are not received in the Department of Personnel by the Application Deadline will not be accepted.

**MILITARY APPLICANTS:** In accordance with Section 243 of Military Law, military personnel serving on active duty in the armed forces of the United States during the filing period may be permitted to file an application for the examination after the application deadline date, but prior to the scheduled date of the examination. Contact the Onondaga County Personnel Department at (315)435-3537 for further information.

**EXAM INFORMATION:**

**EXAM NOTICE:** Candidates found eligible will be notified when and where to appear for examination. If you have not received notice of the examination location three (3) days prior to the examination, contact the Examination Unit at 435-3537. If an application is disapproved, due notice will be sent. Reasons for disapproval may be discussed with the reviewer.

**FOR EMERGENCY CANCELLATION OF EXAMINATIONS TUNE TO: WIXT NEWS CHANNEL 9, WTVH NEWS CHANNEL 5, NEWS 10 NOW or any Clear Channel Radio Station.**

**EXAM ACCOMMODATIONS:** If you desire accommodation at the exam site due to disability, please indicate the disability and desired conditions necessary to accommodate your disability on the application or on a paper attached firmly to your application.

**RELIGIOUS ACCOMMODATION:** Applicants whose religious beliefs prevent them from taking examinations on the scheduled date should indicate the need for special arrangements on their application.

**EXAM RATING:** When the written examination is prepared and rated by the New York State Department of Civil Service in accordance with Section 23-2 of the Civil Service Law, the provision of the New York State Civil Service Rules and Regulations will apply.

**ELIGIBLE LIST:** Eligible lists are established, on average, within three months after the examination date. In accordance with the New York State Civil Service Law, an eligible list must remain in existence for one year from the date of its establishment. When the eligible list is established you will be able to view the current eligible list and your status on-line by going to our website at Civil Service Exam Test Results [www.ongov.net/employment/ranking](http://www.ongov.net/employment/ranking).

**CANDIDATE FITNESS:** Inquires may be made as to character and ability of all candidates. All statements made by candidates are subject to verification. Falsification of any part of the Application for Employment may result in disqualification and possible legal action.

**MULTIPLE EXAMINATIONS SCHEDULED FOR THE SAME DAY:** If you have applied to take a written test announced by either one or several local jurisdictions (county, town, city) scheduled to be held on the same test date as this written test, you must notify each of the local jurisdictions no later than two weeks before the test date, so they can make arrangements for taking all tests at one test site. All examinations for positions in State government will be held at a State examination center.

Onondaga County Cross Filer Notification Forms are available in our office or online at [www.ongov.net/employment/document\\_center](http://www.ongov.net/employment/document_center). Send completed form to Onondaga County Dept. of Personnel, 421 Montgomery St 13th Fl, Syracuse NY 13202 OR FAX 315-435-8272 OR call 315-435-3537.

**CHANGE OF ADDRESS:** It is the responsibility of the candidate to notify the Onondaga County Personnel Department in writing of any change in address. Address change forms are available in the Personnel Department during normal office hours or online at [www.ongov.net/employment/document\\_center](http://www.ongov.net/employment/document_center)

**MILITARY MAKE-UP EXAMINATION:** Any member of the armed forces of the United States who has filed an application to compete in a scheduled competitive examination but is deprived of the opportunity to compete in the examination due to ACTIVE MILITARY DUTY can be provided with a special military make-up examination upon written request to the Onondaga County Personnel Department. The applicant

must submit a copy of military orders, DD214, or other official military document that substantiates active military service at the time of the examination. Request must be no later than sixty (60) days after release from active duty.

**SPECIAL REQUIREMENT FOR APPOINTMENT IN SCHOOL DISTRICTS AND BOCES:** Per Chapter 180 of the Laws of 2000, and by Regulations of the Commissioner of Education, to be employed in a position designated by a school district or BOCES as involving contact with students, a clearance for employment from the State Education Department is required.

**IN ACCORDANCE WITH THE CHILD ABUSE PREVENTION ACT OF 1985,** candidates for appointment to Onondaga County government positions which involve regular and substantial contact with children will be required to complete a State Central Register of Child Abuse and Maltreatment clearance form. Failure to complete this form may result in decertification of your name from this eligible list for appointments in Onondaga County.

**PRE-EMPLOYMENT DRUG TESTING / BACKGROUND INVESTIGATION:** May be required for appointment or promotion.