

Iowa Department of Administrative Services – Human Resources Enterprise
Job Classification Description

Statistical Research Analyst 2

Definition

Performs journey-level professional work obtaining, compiling, evaluating, and reporting statistical data; performs related work as is required.

The work examples and competencies listed below are for illustrative purposes only and not intended to be the primary basis for position classification decisions.

Work Examples

Performs professional research statistical work and uses information obtained to plan, develop, or improve programs.

Performs special research in connection with advanced statistical problems; determines types, sources, and methods of obtaining data; designs questionnaires and determines distribution; corrects, adjusts, and interprets statistical data according to accepted formulas.

Prepares or directs preparation of comprehensive statistical evaluation reports and recommendations based on reports.

Competencies Required

Knowledge:

- English Language – The structure and content of the English language, including the meaning and spelling of words, rules of composition, and grammar.
- Mathematics – Arithmetic, algebra, geometry, calculus, statistics, and applications.
- Customer and Personal Services – Principles and processes for providing customer and personal services including customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.

Abilities:

- Mathematical Reasoning — Choose right mathematical methods or formulas to solve a problem.
- Number Facility — Add, subtract, multiply, or divide quickly and correctly.
- Written Comprehension — Read and understand information and ideas presented in writing.
- Oral Comprehension — Listen to and understand information and ideas presented through spoken words and sentences.
- Written Expression — Communicate information and ideas in writing so others will understand.

Skills:

- Mathematics — Using mathematics to solve problems.
- Critical Thinking — Using logic and reasoning to identify strengths and weaknesses of alternative solutions, conclusions, or approaches to problems.

Minimum Qualification Requirements

Applicants must meet at least one of the following minimum requirements to qualify for positions in this job classification:

- 1) Graduation from an accredited four-year college or university with a bachelor's degree in statistics, mathematics, economics, political science, or public administration and experience equal to two years of full-time work in statistical analysis or economic research.
- 2) A total of six years of education and/or full-time experience (as described in number one), where one year of full-time experience equals 30 semester hours of education (maximum substitution of four years).
- 3) Graduation from an accredited college or university with a master's degree in statistics, mathematics, epidemiology, economics, public policy, public affairs, public administration, or business analytics.
- 4) Current, continuous experience in the state executive branch that includes 18 months of full-time work as a Statistical Research Analyst 1.

Effective date: 07/17 KF