

RESEARCH AND DEVELOPMENT ANALYST

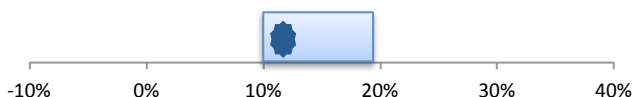
What do they do? Formulate and apply mathematical modeling and other optimizing methods to develop and interpret information that assists management with decision making, policy formulation, or other managerial functions.

People with these roles and responsibilities are also called: Operations Research Analyst, Operations Research Manager, Scientist, Analytical Strategist, Business Analytics Director, Business Insight and Analytics Manager, Decision Analyst, Associate – Analytics and Research

Some typical job duties include:

- Define data requirements and gather and validate information, applying judgment and statistical tests and/or actuarial research techniques.
- Collaborate with senior managers and decision makers to identify and solve a variety of problems and to clarify management objectives.
- Perform validation and testing of models to ensure adequacy and reformulate models as necessary.
- Prepare management reports defining and evaluating problems and recommending solutions.

Ohio Job Outlook "Average" (+12.3%)



Projected % change in number of jobs by 2020

Note: Blue band = Average growth (10% to 19%)

National Job Outlook through 2020: 14.6%

Most Important Occupational Skills

BASIC SKILLS

- Mathematics
- Critical Thinking
- Reading Comprehension

SOCIAL SKILLS

- Coordination
- Instructing
- Social Perceptiveness

PROBLEM SOLVING SKILLS

- Complex Problem Solving

TECHNICAL SKILLS

- Operations Analysis
- Programming

SYSTEMS SKILLS

- Judgment and Decision Making
- Systems Evaluation
- Systems Analysis

RESOURCE MANAGEMENT SKILLS

- Time Management
- Mgmt of Personnel Resources
- Mgmt of Financial Resources

The most important skills required for performing this job well are underlined.

How much did these jobs pay in 2013?

Average: \$74,120 per year
(\$35.64 per hour)

Career Pathway and Educational Requirements

Entry-level (\$30,000-\$60,000)

Senior-level (\$50,000-\$75,000)

Managerial (\$75,000+)

Research & Development Analyst

Sr. Research & Development Analyst

Director, Research and Development

REQUIRED FOR ENTRY

- Bachelor's degree

REQUIRED FOR ADVANCEMENT

- Post-graduate degree
- Multiple years related work experience

REQUIRED FOR ADVANCEMENT

- Post-graduate degree
- Many years related work experience

SOME CERTIFICATIONS THAT CAN HELP YOU ADVANCE:

Microsoft SQL Server (Microsoft, available online)

SAS Certified Statistical Business Analyst (SAS Institute, unavailable online)