

BUSINESS ANALYST

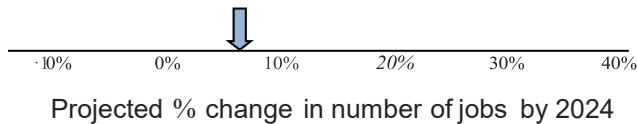
What do they do? Formulate and apply mathematical modeling and other optimizing methods to develop and interpret information that assists management with decision making, policy formulation, or other managerial functions.

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

Some typical 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 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.

Michigan Job Outlook "Faster than average" (+7%)



National Job Outlook through 2024: 25.7%

National Job Outlook through 2024: 7%

Most Important Occupational Skills

BASIC SKILLS

Mathematics
Critical Thinking
Reading Comprehension

PROBLEM SOLVING SKILLS

Complex Problem Solving

SYSTEMS SKILLS

Judgment/Decision Making
Systems Analysis
Systems Evaluation

SOCIAL SKILLS

Social Perceptiveness
Coordination
Instructing

TECHNICAL SKILLS

Operations Analysis
Programming

RESOURCE MANAGEMENT

Mgmt of Financial Resources
Time Management
Mgmt of Personnel

How much did these jobs pay in 2016?

Average: \$84,340 per year
(\$40.55 per hour)

Career Pathway and Educational Requirements

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

Senior-level (\$50,000-\$90,000)

Managerial (\$85,000+)

Research & Development Analyst



Sr. Research & Development Analyst



Director, Research & Development

REQUIRED FOR ENTRY

Bachelor's degree

REQUIRED FOR ADVANCEMENT

Post-graduate degree
Multiple years related work experience

REQUIRED FOR ADVANCEMENT

Post-graduate degree

Director, Research

SOME CERTIFICATIONS THAT CAN HELP YOU ADVANCE:

Microsoft SQL Server (Microsoft, available online)

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