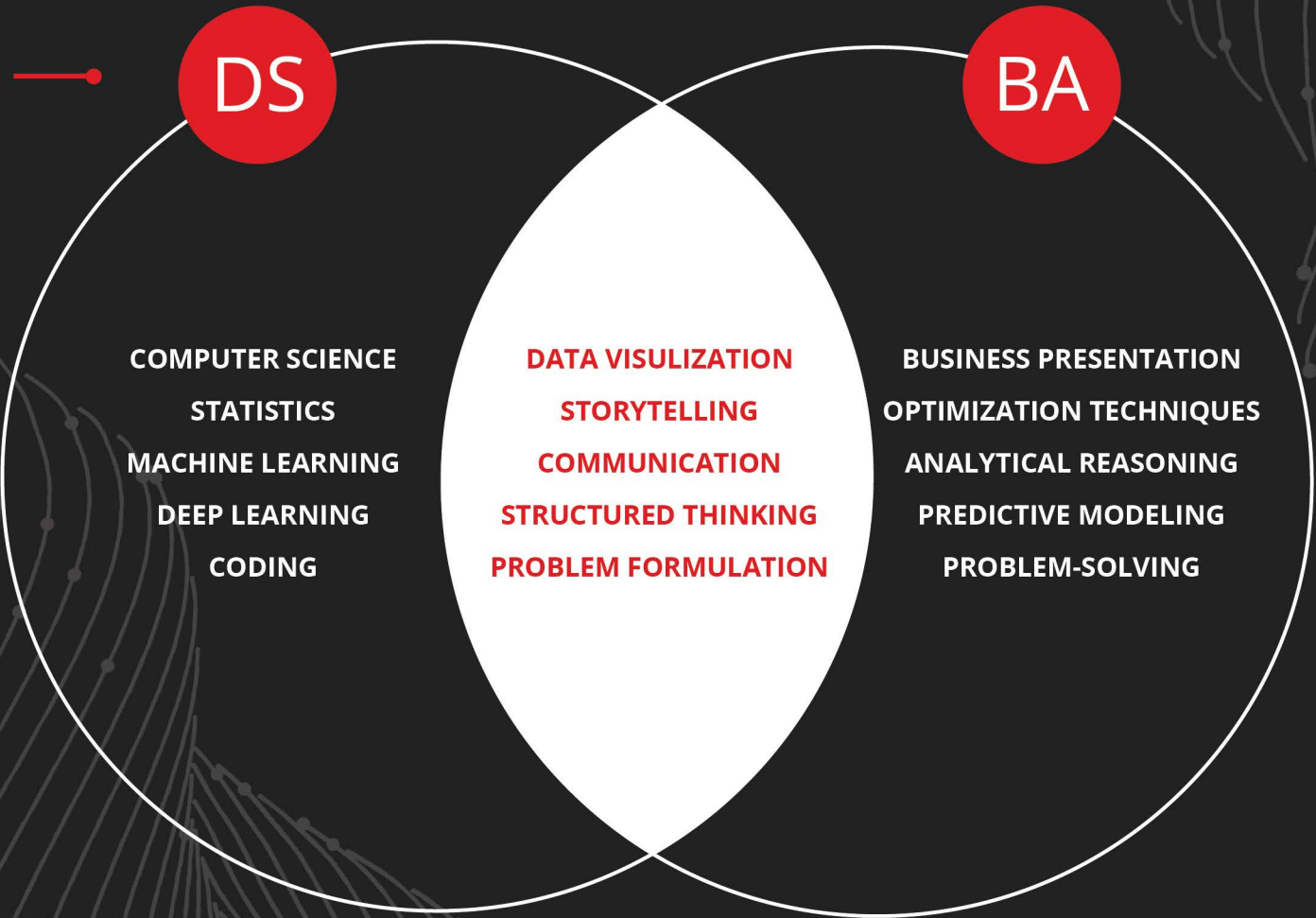# Data Science VS Business Analytics
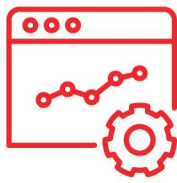
WHAT'S THE DIFFERENCE?

Data science and business analytics both use data to solve problems, but there are some key differences between them. **Data scientists focus on analyzing Big Data** to uncover insights for smarter decision-making, while **business analysts evaluate organizational performance** to improve processes and systems.

Essential Skills

DS

COMPUTER SCIENCE
STATISTICS
MACHINE LEARNING
DEEP LEARNING
CODING

DATA VISUALIZATION
STORYTELLING
COMMUNICATION
STRUCTURED THINKING
PROBLEM FORMULATION

BA

BUSINESS PRESENTATION
OPTIMIZATION TECHNIQUES
ANALYTICAL REASONING
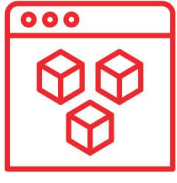PREDICTIVE MODELING
PROBLEM-SOLVING

Average Salaries

Salaries for data scientists and business analysts vary depending on the level of education and relevant work experience.
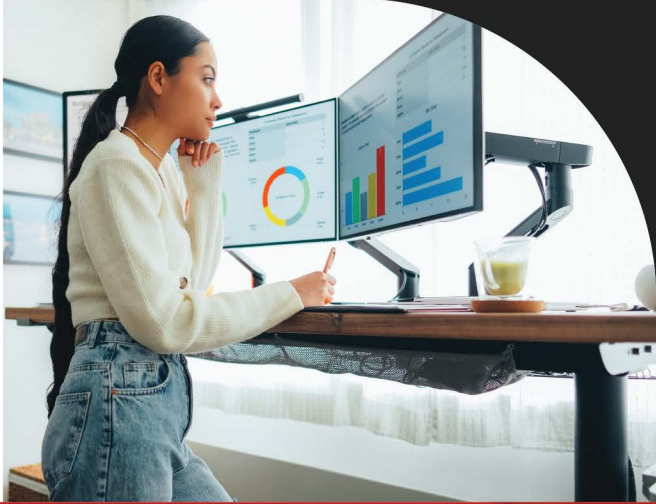
Data Analyst
Average Salary
$98,748

Business Analyst
Average Salary
$65,573

UC Grad
Average Salary
$106,000

Average salaries are for the United States only.

Leading Data Science Jobs

- Data Scientist
- Data Analyst
- Data Architect
- Applications Architect
- Machine Learning Engineer

Leading Business Analytics Jobs

- Business Analyst
- Data Analyst
- Quantitative Analyst
- Analytics Manager
- Data Engineer

UC Online's Master of Science in Business Analytics: Learning Outcomes Based on Career Goals

Data Science: Gain knowledge in math and statistics to expertly analyze relevant data, apply machine learning and artificial intelligence, and generate tangible business insights.

Business Analytics: Gain an understanding of tasks and techniques to successfully identify business needs and determine software-systems-based solutions that drive efficiencies.

Data Visualization: Gain a deep knowledge of data visualization tools to competently provide an accessible way of seeing and understanding trends, outliers, and patterns in data.

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