



Business School
UNIVERSITY OF COLORADO DENVER

Information Systems Program

Module 1

Data Warehouse Concepts and Architectures

Lesson 7: Employment opportunities



Lesson Objective

- Gain awareness about employment opportunities
- Develop a career strategy



Employment Opportunities

DW Analyst

- Recommend technology solutions
- Define user interfaces
- Collaborate with business analysts and DW managers

DW Manager

- Design, develop, and maintain data warehouses
- Ensure conformance to enterprise standards
- Develop and implement data integration procedures

BI Analyst

- Develop data analysis and reporting solutions
- Mine and analyze data from multiple sources
- Communicate results to management
- Prepare data (reduction and missing values)

Data Analyst

- Document data elements
- Use reporting tools
- Collaborate with business analysts and data architects
- Develop data extraction procedures



Skill-Position Mapping

Competency	Position		
	<i>DW Manager</i>	<i>DW Analyst</i>	<i>BI Analyst</i>
Communication	■	■	■
Data cube tools	■	■	■
Dashboards		■	■
Data mining	■		■
Data integration tools	■	■	
DW schema design	■	■	
Performance analysis	■		
Quantitative modeling			■
SQL extensions	■	■	■



Competency Acquisition

Career Progression

**Courses/
Degrees**

Internship

**Certificatio
n**

Experience



Salary Percentiles (USA) in 2018

Job Title	25 th Percentile	Midpoint	75 th Percentile
DB manager	\$107,000	\$127,000	\$152,250
DB developer	\$97,950	\$116,000	\$139,000
Data analyst	\$81,000	\$96,000	\$115,000
DW manager/architect	\$110,00	\$130,000	\$156,000
DW analyst	\$75,250	\$93,500	\$117,000
BI analyst	\$83,750	\$104,000	\$130,250



Salary Percentiles (Canada) in 2018

Job Title	25 th Percentile	Midpoint	75 th Percentile
DB manager	\$95,250	\$120,000	\$143,500
DB developer	\$93,550	\$104,000	\$130,000
Data analyst	\$55,250	\$62,500	\$83,250
DW manager/architect	\$95,750	\$115,000	\$137,750
DW analyst	\$71,500	\$90,000	\$113,250
BI analyst	\$73,250	\$93,500	\$107,250



Summary

- Positions
- Skill requirements and acquisition
- Salary trends

