BOARD INFINITY

INTERMEDIATE LEVEL · BOARD INFINITY ON COURSERA

Learn Data Governance Workflows with Databricks Tools

Full course syllabus - both modules, every learning objective, and the governance workflows you work through in Databricks.



Bhawna Gunwani
Backend development specialist · your instructor

2	26	7	7h
Modules	Video lessons	Assignments	Total time

INSIDE THE COURSE

01	Data Governance and Databricks - Fundamentals	approx. 3 hours
02	Data Governance and Databricks - Application	approx. 3 hours

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https://www.coursera.org/learn/data-governance-databricks

01 ABOUT THE COURSE

One course that goes from policy to platform.

Data governance is usually taught either as theory or as tooling. This one does both - the components, frameworks and roles first, then the same ideas applied inside Databricks.

Module 1 covers why data governance matters and what it is made of: frameworks, policies, roles and regulatory considerations, alongside data quality management and metadata management. Module 2 is the applied half: data management, governance workflows, cataloging and metadata, security and access control, data lineage and discovery, collaborative governance and automation, closing on best practices and real-world case studies. It is listed at Intermediate level, but prior knowledge of Databricks is not a prerequisite.

WHO IT'S FOR

Data professionals

You already move and model data. This builds the governance knowledge around it, and how Databricks supports it.

Governance analysts

Frameworks, policies, data quality and metadata management, and what implementation looks like on a platform.

Data stewards

How quality, metadata, security and workflows fit together, and where cataloging and lineage make stewardship enforceable.

IT managers

Roles, responsibilities, regulatory considerations and automation - how governance and Databricks support data management.

WHAT YOU'LL LEARN

01 **Understand data governance foundations** Module 1

The essential components of data governance, why it matters, and the role Databricks plays - its benefits and challenges.

02 **Manage data quality and metadata** Module 1

Frameworks, policies, roles and compliance, then data quality management and metadata management.

03 **Design governance workflows with Databricks** Module 2

Ingestion, storage and processing; cataloging and metadata; workflow design; security and access control.

04 **Apply governance best practices** Module 2

Lineage and discovery, collaborative governance with notebooks and Delta Lake, automation, and real-world case studies.

02 SYLLABUS

Two modules, fundamentals then application.

Coursera lists 7 hours to complete, with each module at approximately 3 hours. Fully self-paced.

01 Data Governance and Databricks - Fundamentals

Why governance matters, its components, frameworks and the role of Databricks

approx. 3 hours

13 videos (46 min)

BY THE END OF THIS MODULE YOU CAN

- ✓ Explain what data governance is and why it matters in modern organizations
- ✓ Describe Databricks' role in data governance, and the benefits and challenges of it
- ✓ Define the key components, and establish frameworks, policies, roles and responsibilities
- ✓ Account for compliance, data quality management and metadata management

CONTENTS: 13 videos (46 min) · 3 readings (40 min) · 3 assignments (90 min) · 1 plugin (15 min)

TOPICS: Data governance fundamentals · Key components · Frameworks & policies · Roles & responsibilities · Regulatory & compliance · Data quality management · Metadata management · Introduction to Databricks

You leave with: A fundamental understanding of data governance and of the Databricks features that support governance initiatives.

02 Data Governance and Databricks - Application

Data management, governance workflows, security, best practices and case studies

approx. 3 hours

13 videos (50 min)

BY THE END OF THIS MODULE YOU CAN

- ✓ Manage data in Databricks across ingestion, storage and processing
- ✓ Use Databricks for cataloging and metadata management, and set up security and access control
- ✓ Design governance strategies and workflows, and work with data lineage and discovery
- ✓ Collaborate with notebooks and Delta Lake, automate governance, and apply best practices

CONTENTS: 13 videos (50 min) · 4 readings (45 min) · 4 assignments (105 min)

TOPICS: Data management · Data cataloging · Metadata management · Security & access control · Governance workflow design · Data lineage & discovery · Delta Lake & notebooks · Automation · Real-world case studies

You leave with: The ability to manage data, implement governance workflows and ensure security in Databricks, applied to real scenarios.

03 TOOLS & SKILLS

The platform you work in.



Databricks The platform

The primary tool used in the course to explore practical data governance workflows.

In this course: Data management, cataloging, metadata management and security, worked through in module 2.

SKILLS YOU LEAVE WITH

Governing data

- ✓ Data Governance
- ✓ Data Management

Trusting data

- ✓ Data Quality
- ✓ Metadata Management

Protecting data

- ✓ Data Security

04 CERTIFICATE & CAREER

Finish with proof you can put to work.

One-click LinkedIn add
Filed under Licenses & Certifications on your profile, where recruiters look.

Shareable and verifiable
Coursera issues it with its own link, so anyone you send it to can check it.

Earned, not attended
7 assignments across the two modules - practice quizzes and graded quizzes.

Two names on it
Board Infinity as the provider, Coursera as the platform.

WHERE THESE SKILLS ARE IN DEMAND

Data Governance Analyst | Data Steward | Data Management Professional | Data Quality Analyst | IT Manager | Data professionals



Bhawna Gunwani
Backend development specialist · Works across C# .NET, Python, MEAN & MERN · instructor for this course with Board Infinity

Ready to put governance on a real platform?

Enrollment, lessons, grading and the certificate all happen on Coursera.

Enroll on Coursera

Course page: https://www.boardinfinity.com/courses/data-governance-databricks/

Want a coach alongside the course?

Board Infinity 1:1 coaching is an optional add-on: a practitioner reviews the framework and governance workflows you draft. https://www.boardinfinity.com/career-coaching/

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