

Big Data: Demystifying the Big Idea

GoSkills online course syllabus

Skill level

Beginner

Lessons

17

Accredited by

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Pre-requisites

No prior experience needed

Video duration

1h 2m

Estimated study time

1h 2m

Instructor

Annie Xu

Introduction

1 The era of big data

Data has been considered an important asset for an organization, and nowadays, we have entered the era of big data that traditional data process tools and processes cannot address.

Defining Big Data

2 Characteristics of Big Data

Big Data has been a buzzword in the recent decade.

3 Big Data vs data warehouse

Big Data and Data Warehouse both exist as enterprise data infrastructures, so understanding the differences and how they work together can help people understand big data.

4 Use cases and benefits

Understanding big data analytics use cases and benefits can help organizations drive the most value from their ever-growing data asset.

Processes and Concepts

5 Big Data building blocks

Understanding the building blocks of Big Data analytics is important to help you understand Big Data.

6 Streaming and batch processes

There are several processes you can use to analyze Big Data - two key ones being streaming and batch processes.

7 Relationship to AI, ML, and IOT
There are a few new terms like AI, ML, and IOT related to Big Data.

8 What is Hadoop
There are many choices of tools and vendors for organizations to build the end-to-end Big Data Analytics Systems.

9 Tools in the Hadoop ecosystem
Because Hadoop is an Open Source platform, a lot of tools are built in this ecosystem to support different use cases.

10 Identifying hosting infrastructures
In terms of the hosting infrastructure of Big Data analytics and processing systems, there are On-Premises, Cloud, and Hybrid infrastructures.

Big Data and The Cloud

11 What is cloud services
Nowadays, companies use the cloud for a lot of their technology services.

12 Hosting solutions
Why is the cloud a big deal for Big Data solutions?

Case Study

13 Home Depot story
Examining real stories is a great way to better understand the concepts involved with Big Data analytics.

Building Data-Driven Organizations

14 Building your product
Building a data-driven product can help your organization be more proactive and less reactive.

15 Building your team
There are different roles to support a variety of job functions of a data-driven organization.

16 Building your process

Building an effective process can help your organization streamline the data analytics process to help minimize opportunities for error while maximizing actionable insights.

Conclusion

17 Next steps

Thank you for watching this course!

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