

ALY 6110

Data Management and Big Data

Instructor: Valeriy Shevchenko



Northeastern

CLASS INTRODUCTION

HOUSEKEEPING

Agenda:

- Overview of course concepts
- Review Syllabus
- Get to know each other

HOUSEKEEPING

What is Big Data?

Big Data is a term used to refer to the *study* and *applications* of data sets that **are so big** and complex that *traditional* data-processing application software are **inadequate** to deal with them.

https://en.wikipedia.org/wiki/Big_data

What is Big Data?

Data Management

comprises all *disciplines*
related to managing data
as a **valuable resource**.

https://en.wikipedia.org/wiki/Big_data

Purpose of this class

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Purpose of this class (philosophy):

- Instill general knowledge of Applications of Data Management and Big Data.
- Offer practical examples that can be used to illustrate concepts.
- Provide a forum for internalizing understanding of the materials contained in both in-class discussions and exercises

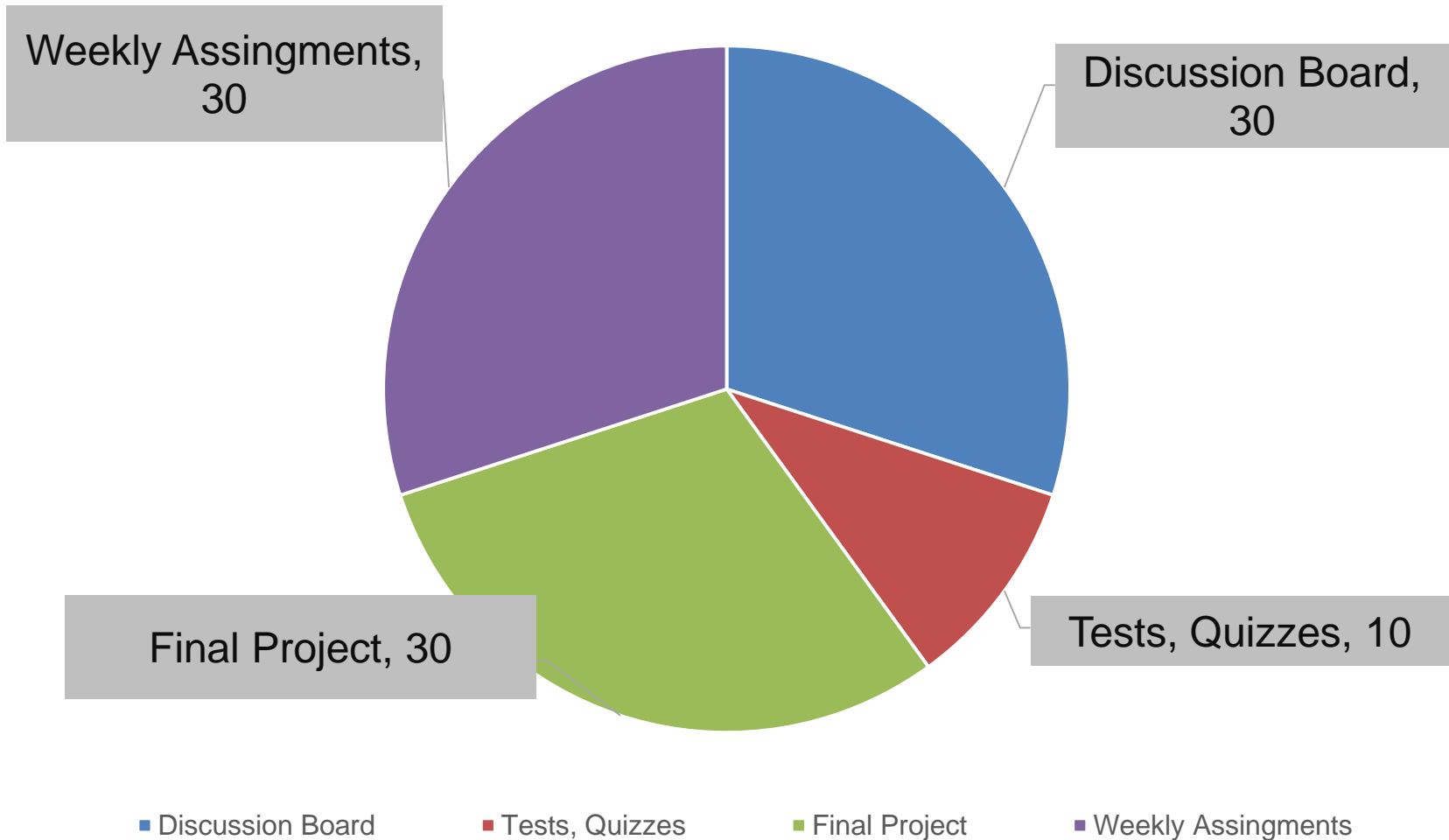
HOUSEKEEPING

Course workload:

- Weekly readings:
 - Class materials readings to teach core concepts
 - Additional readings to provide examples of concepts
- Weekly online lecture materials.
- Weekly discussion board participation opportunities.
- Weekly assignments.
- Weekly quizzes.
- Final project.

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Grading:



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Important assignment guidelines

- Participation scores will be weighted equally
- Exercises will be weighted equally
- Late work will not be counted, unless prior arrangements have been made for an extension for a valid reason
- Everything should be in your own words or in quotation marks; verbatim definitions from Wikipedia or the dictionary should not be used
- If quoting a source, do not quote more than about 50-75 words per source. A “500 word” essay containing a 250 word quotation of someone else will not be graded as if you wrote the 500 word essay.

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About Valeriy Shevchenko

Area: Information Technology

Education:

BSCS. Dnipropetrovsk State University, Ukraine

MSCIS: Dnipropetrovsk State University, Ukraine
Master of Science in Computer Systems

Major: Computer Systems Design

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About Valeriy Shevchenko

Teaching experience: Computer Science classes

North Eastern University:

Guest Lecturer:

Systems & Network Administration
Information Systems Security
Database Management Systems

Lecturer:

Data Analytics and Data Mining
Big Data Analytics
Data Management and Big Data

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About Valeriy Shevchenko

Teaching experience: Computer Science classes

Quincy College:

Guest Lecturer:

Data Base Management Systems;
Systems & Network Administration;
IT Systems Management
Networking

Lecturer:

Computer Systems Security

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Questions?

- If you have a general question for the class, feel free to post it on the discussion board or/and send an email.
- Emails related to the class are appreciated, but please be specific in your question to make it easier to provide the answer!
- If you have a question for me, e-mail me at v.shevchenko@northeastern.edu

ALY6110

**Data Management
and Big Data**

Q & A

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