INFX 551: Fundamentals of Data Curation

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Contents

Introduction to INFX 551

This is where I give you an overview of the course and tell you how much $ you will make being a data curator.

Talk about how the modules will work: Monday lecture about overview of the topic Thursday deeper dive into the topic.

Chapter 1

Data

This three-week module will focus on data.

1.1 Types & Roles

1.1.1 Overview

1.1.2 Lectures

1.1.3 Required Readings

1.1.4 Recommended Readings

1.1.4.1 Science

1.1.4.2 Humanities

1.1.4.3 Public Sector

1.2 Metadata & Provenance

1.2.1 Overview

1.2.2 Lectures

1.2.3 Required Readings

1.2.4 Recommended Readings

1.2.4.1 Science

1.2.4.2 Humanities

1.2.4.3 Public Sector

1.3 Cleaning & Standardization

1.3.1 Overview

1.3.2 Lectures

1.3.3 Required Readings

1.3.4 Recommended Readings

1.3.4.1 Science

1.3.4.2 Humanities

1.3.4.3 Public Sector

1.4 Assignment

The assignment for Module 1 is to create a data dictionary.

Chapter 2

Systems

This three-week module focuses on systems.

2.1 Repositories & Storage

2.1.1 Overview

2.1.2 Lectures

2.1.3 Required Readings

2.1.4 Recommended Readings

2.1.4.1 Science

2.1.4.2 Humanities

2.1.4.3 Public Sector

2.2 Preservation & Levels of Service

2.2.1 Overview

2.2.2 Lectures

2.2.3 Required Readings

2.2.4 Recommended Readings

2.2.4.1 Science

2.2.4.2 Humanities

2.2.4.3 Public Sector

2.3 Cost Models & Sustainability

2.3.1 Overview

2.3.2 Lectures

2.3.3 Required Readings

2.3.4 Recommended Readings

2.3.4.1 Science

2.3.4.2 Humanities

2.3.4.3 Public Sector

2.4 Assignment

The assignment for Module 2 is...

Chapter 3

Policy, Privacy, & Ethics

Finally, we talk policy, privacy, and ethics...

3.1 Policy: Data Management Plans & Attribution/Citation

3.1.1 Overview

3.1.2 Lectures

3.1.3 Required Readings

3.1.4 Recommended Readings

3.1.4.1 Science

3.1.4.2 Humanities

3.1.4.3 Public Sector

3.2 Privacy: Institutional Review Boards & Data Minimization

3.2.1 Overview

3.2.2 Lectures

3.2.3 Required Readings

3.2.4 Recommended Readings

3.2.4.1 Science

3.2.4.2 Humanities

3.2.4.3 Public Sector

3.3 Ethics

3.3.1 Overview

3.3.2 Lectures

3.3.3 Required Readings

3.3.4 Recommended Readings

3.3.4.1 Science

3.3.4.2 Humanities

3.3.4.3 Public Sector

3.4 Assignment

Chapter 4

Assignments Overview

Here is a detailed description of all three assignments.

4.1 Assignment 1 Details

Data Dictionary

4.2 Assignment 2 Details

4.3 Assignment 3 Details