

	Sections
Data Science Lifecycle, Python And Pandas . 1.0.1 Assigned Reading 1.0.2 Piazza 1.0.3 Lectures 1.0.4 Assignments 1.0.5 Quiz 1.0.6 Chapter Summary	2 Data 4 2 2.0.1 Assigned Reading 4 2 2.0.2 Piazza 4 2 2.0.3 Lectures 4 3 2.0.4 Assignments 4 3 2.0.5 Quiz 4

Week 1: (1/15 - 1/21)

Data Science Lifecycle, Python And Pandas

1.0.1 Assigned Reading

The reading assignment for this week is:

- Learning Data Science: Chapter 1
- Python For Data Analysis: Chapter 5

1.0.2 Piazza

Must post / respond to two Piazza posts. (1/23/24)

1.0.3 Lectures

The lecture videos for this week are:

- Course Overview ≈ 54 min.
- Pandas Part $1 \approx 54$ min.
- Pandas Part $2 \approx 54$ min.
- Python Walkthrough ≈ 47 min.
- Learning to Use Jupyter Notebooks ≈ 9 min.
- Using Markdown In Jupyter Notebooks ≈ 11 min.
- Writing Mathematics In Jupyter Notebooks ≈ 16 min.
- Beginning Python ≈ 44 min.
- Python Basic NumPy ≈ 18 min.
- Quick Calculus Refresher ≈ 21 min.

The lecture notes for this week are:

- Course Overview Data Science Lifecycle
- Pandas Part 1
- Pandas Part 2
- LATEX

1.0.4 Assignments

The assignment for this week is:

• The assignment for this week is **Data Science Lifecycle**, **Python And Pandas**. (1/23/24)

1.0.5 Quiz

The quizzes for this week are:

• Math Concept Quiz • Finalized Math Concept Quiz (1/30/24)

1.0.6 Chapter Summary



Week 2: (1/22 - 1/28)



Pandas, Exploring And Cleaning Tabular Data

2.0.1 Assigned Reading

The reading assignment for this week is:

• Python For Data Analysis: Chapter 5

2.0.2 Piazza

Must post / respond to two Piazza posts. (1/30/24)

2.0.3 Lectures

The lecture videos for this week are:

- Pandas Part $3 \approx 54$ min.
- Pandas Part $4 \approx 54$ min.
- Discussion 2 Video Walkthrough: Basics with Pandas and In-Depth with NumPy ≈ 73 min.

The lecture notes for this week are:

- Pandas Part 3
- Pandas Part 4
- Permutations And Combinations
- Section 7.1 Intro To Discrete Probability
- Section 7.2 Probability Theory And Applications

2.0.4 Assignments

The assignment for this week is:

• The assignment for this week is Pandas, Exploring And Cleaning Tabular Data. (1/30/24)

2.0.5 Quiz

The quizzes for this week are:

• Python And Pandas Quiz • Finalized Python And Pandas Quiz (1/30/24)

2.0.6 Chapter Summary