**Lesson 5:** Tech ethics, job interviews, and industry case study

**Estimated Time**: 7 hours

**Guiding Question:** Why are ethics important in data science? What are the most common data science interview questions?

**Concepts:** Ethics, job interview

**Lesson Description**: Students will engage in the tech ethics discussions, practice job interview questions. Students will get exposed to real-world practical programming in Python through an industry case study.

| **Materials and Resources** | **Learning Goals** |
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| 1. Lesson slides 2. Projector and computer for teacher (if in-person) | * Learn about the importance of ethics in data science. * Learn and practice the most common data science job interview questions. |

| **Time** | **Lesson Content** | **Instructor Notes** |
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| 9:00-11:00  10 min break | Tech ethics discussions |  |
| 11:10-12:10 | Non-technical interview questions |  |
| 12:10-13:10 | LUNCH |  |
| 13:10-14:10  10 min break | Technical interview questions |  |
| 14:20-15:20  10 min break | Industry case study |  |
| 15:30 - 16:30 | **Assessment**  Assignment 5  Choose two most challenging job interview questions and write out long elaborated answers with concrete examples from your work or school experience.  OR  Mock interview with a partner. | Ensure students participation |
| 10 min | **Explain the take-home summative assessment** |  |