

Name: _____

Student ID: _____

ECON 0150 | MiniExam 02 | Spring 2025

This MiniExam will take 8 minutes with a quick break to follow. MiniExams are designed to both test your knowledge and challenge you to apply familiar concepts in new environments. Treat it as if you're trying to show me that you understand the material. Answer clearly, completely, and concisely.

Academic Conduct Code

The following academic conduct code is designed to protect the integrity of your work. Print your name/initials beside the three academic honesty agreements. I pledge to my fellow students, the university, and the instructor, that:

____ I will complete this MiniExam solely using my own work.

____ I will not use any digital resources unless explicitly allowed by the instructor.

____ I will not communicate directly or indirectly with others during the MiniExam.

Q1. The following data snippet shows the number of hours worked by employees.

Employee	Hours Worked	Year Hired
John	40	2011
Mary	35	2023
Ahmed	42	2016
...
Sophia	30	2020

a) Explain how you would find the employees who worked more than 35 hours.

b) Explain how you would find all employees who have been in the company since 2022 who work more than 25 hours.

c) Explain how you would find the employees who fall into one or both of the following categories: work more than 35 hours, 2) joined the company after 2018.

Q2. Suppose you have a dataset with the columns Country, Year, and GDP. Use *one* sentence to write out the steps you would take to filter the dataset to show only the countries which have a GDP greater than 50,000 in the year 2020. Note: Your steps could describe how you would do it manually, in Excel, or in code. But you do not need to use specific code or commands.

Q3. You are given a dataset with the following snippet. You need to calculate the average sales by region. Use *two* sentences to describe the steps you would take to find the average sales for each region.

Name	Sales	Region
Alice	200	North
Bob	180	East
Dana	210	North
...
Charlie	240	East