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Student ID: ✓

ECON 0150 | MiniExam 1 | Demo

This MiniExam will take 20 minutes. For each dataset, identify its dimensions and select an appropriate visualization. Answer clearly 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:

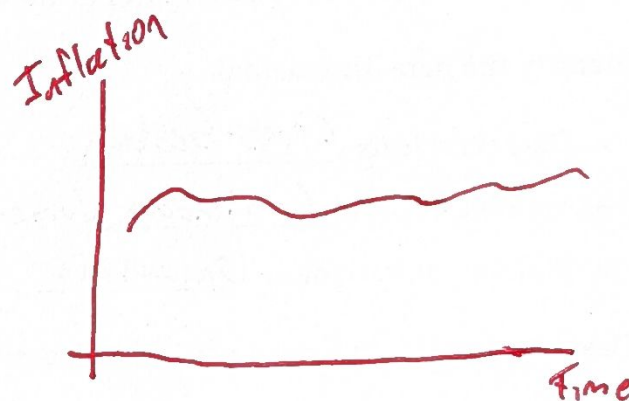
- ☒ Complete this MiniExam solely using my own work.
- ☒ Not use any digital resources unless explicitly allowed.
- ☒ Not communicate directly or indirectly with others during the MiniExam.

Q1. Monthly inflation rates for the United States (see Table 1)

a) Identify the data dimensions:

- Data Structure: Timeseries
- Variable Type(s): Continuous Numerical
- Number of Variables: Univariate

b) Draw or describe the most effective visualization to the right →

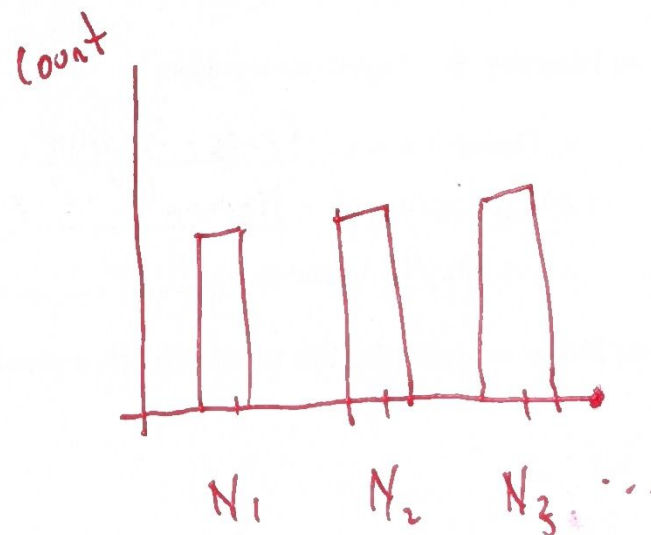


Q2. Coffee shop locations by neighborhood (see Table 2)

a) Identify the data dimensions:

- Data Structure: Cross-Section
- Variable Type(s): Nominal Categorical
- Number of Variables: Univariate

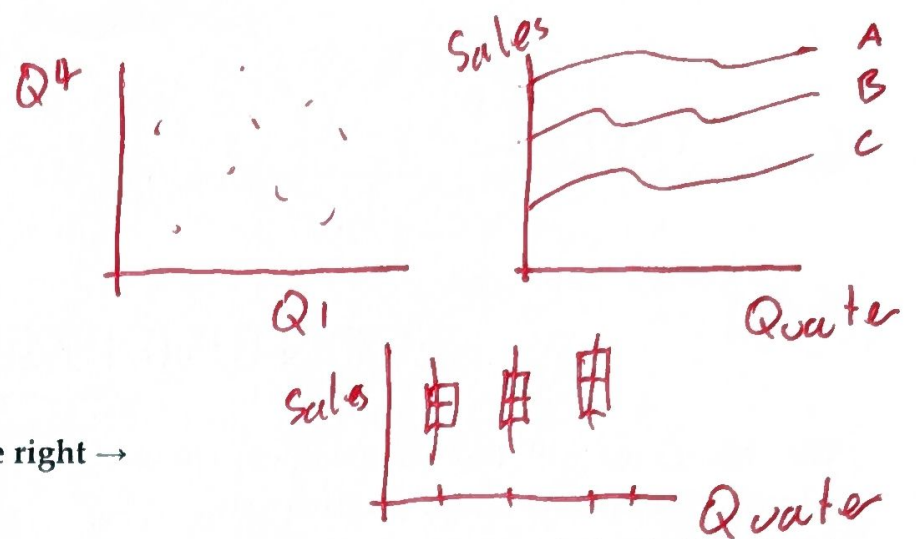
b) Draw or describe the most effective visualization to the right →



Q3. Quarterly sales for three retail stores (see Table 3)

a) Identify the data dimensions:

- Data Structure: Wide Format Panel
- Variable Type(s): Continuous Numerical
- Number of Variables: Many or One



b) Draw or describe the most effective visualization to the right →

Q4. Unemployment rates for three states over time (see Table 4)

a) Identify the data dimensions:

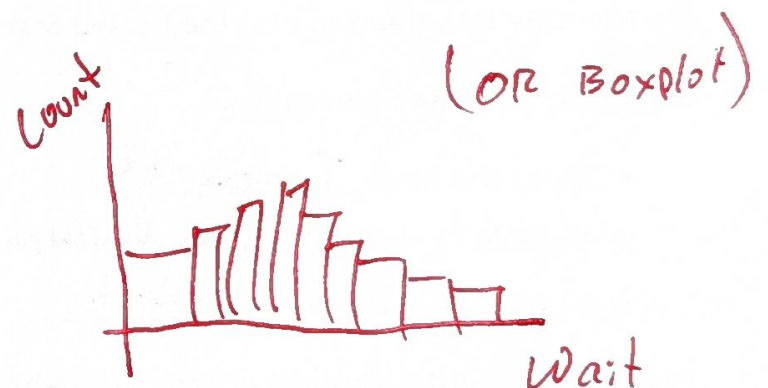
- Data Structure: Long Format Panel
- Variable Type(s): Continuous Numerical
- Number of Variables: Univariate

b) Draw or describe the most effective visualization to the right →

Q5. Customer wait times at a bank in minutes (see Table 5)

a) Identify the data dimensions:

- Data Structure: Cross-Section
- Variable Type(s): Continuous Numerical
- Number of Variables: Univariate

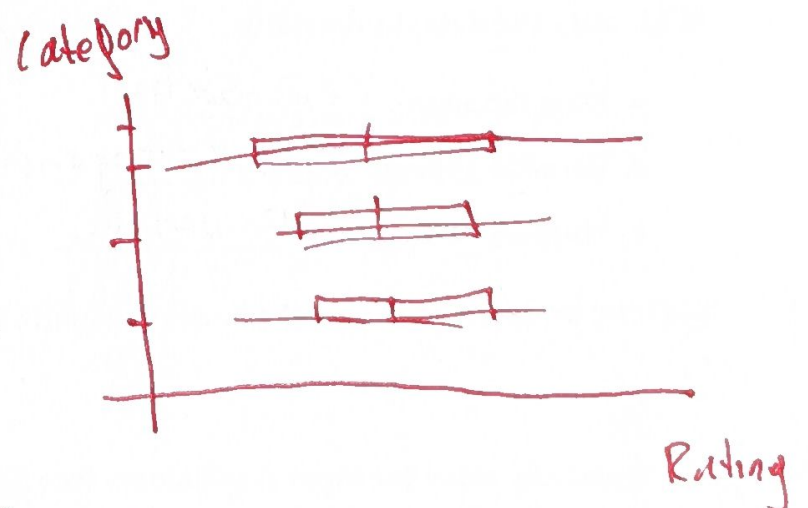


b) Draw or describe the most effective visualization to the right →

Q6. Product ratings by category (see Table 6)

a) Identify the data dimensions:

- Data Structure: Cross-Section
- Variable Type(s): Nominal Cat x Continuous Num
- Number of Variables: 2



b) Draw or describe the most effective visualization to the right →

Data Tables

