

PRACTICE EXAM

Difficulty: HARD

Questions: 15

Hard Difficulty Exam: "Data Driven" by Karen Levy

Instructions: Please answer all questions to the best of your ability.

Section 1: Multiple Choice (4 points each, 40 points total)

Instructions: Choose the best answer for each of the following questions.

Question 1: According to Karen Levy, what is the primary effect of ELDs on long-haul truck drivers?

- A) Increased job satisfaction and earnings due to efficiency gains.
- B) A neutral improvement in safety and regulatory compliance.
- C) A shift in power dynamics, leading to eroded autonomy and increased managerial control.
- D) Reduced stress and improved work-life balance for drivers.

Question 2: What does Levy mean when she states that technology is "socially constructed?"

- A) Technology is built by teams of people working together.
- B) The development of technology is influenced by social trends.
- C) The meaning and consequences of technology are shaped by social values and power dynamics.
- D) Technology is only useful within specific social groups.

Question 3: Which of the following best describes Kranzberg's perspective on technology, as referenced in the text?

- A) Technology is inherently neutral and objective.
- B) Technology is a powerful tool for social progress and equality.
- C) Technology is inherently biased and non-neutral.
- D) Technology is only valuable if it is widely accessible.

Question 4: Which of the following groups would LEAST benefit from reading "Data Driven" by Karen Levy?

- A) Labor organizers
- B) Technology developers
- C) Product managers
- D) None of the above, as all would benefit

Question 5: Which of the following statement about ELDs would Levy most likely agree with?

- A) ELDs make the road safe for everyone.

- B) ELDs give more bargaining power to truckers,
- C) ELDs are an improvement to old technologies because they track data faster.
- D) ELDs may erode trust and autonomy

Question 6: What is Levy's main methodology throughout "Data Driven?"

- A) An empirical, experimental approach.
- B) Quantitative data analysis.
- C) Ethnography
- D) Archival research

Question 7: How is ethnographic approach applied in "Data Driven?"

- A) Levy isolates truckers and their machines to reduce bias.
- B) Levy sends truckers to remote locations to better understand their lifestyle.
- C) Levy spends time observing interactions between various different truckers and regulators firsthand.
- D) Levy rides along with police officers to better understand the truckers' actions.

Question 8: What is the most used form of evidence in "Data Driven?"

- A) First-hand accounts and anecdotes from the truckers.
- B) Case studies from similar instances that were brought to court.
- C) Legal documentation that was provided by the federal government.
- D) Statistics about the ELDs and their effects from the manufacturer.

Question 9: The text describes the "constant tension" between what two forces?

- A) Government regulation and corporate interests.
- B) Corporate control and driver agency.
- C) Technology developers and labor unions.
- D) Safety regulations and economic efficiency.

Question 10: In what way are ELDs implemented in the trucking industry to affect drivers?

- A) They are used to improve the safety of the drivers.
- B) They provide incentive programs for the drivers to improve their lifestyle.
- C) They allow drivers to be more efficient.
- D) They are used for performance metrics, often tied to pay or disciplinary actions.

Section 2: Short Answer (6 points each, 30 points total)

Instructions: Answer each of the following questions in 2-3 sentences.

Question 1: Explain how ELDs, intended for safety, can become instruments of control in the trucking industry.

Question 2: Describe one way truck drivers actively resist or adapt to the surveillance imposed by ELDs.

Question 3: How does Levy support her thesis statement that digital surveillance technologies are not neutral?

Question 4: Explain the difference between "power to" and "power over" in the context of the book.

Question 5: Why is it important for technology developers to read "Data Driven?"

Section 3: Problem-Solving (10 points each, 30 points total)

Instructions: Answer the following questions with detailed explanations and analysis.

Question 1: Discuss the ethical implications of using ELD data to penalize truck drivers for driving habits without considering external factors like traffic or weather. What alternative approaches could be used to promote safety without undermining driver autonomy?

Question 2: Analyze how the implementation of ELDs affects the relationship between trucking companies and independent owner-operators. How does data surveillance impact the bargaining power and economic stability of these independent drivers?

Question 3: Considering the perspectives of labor organizers, technology developers, and policymakers, propose two concrete changes to regulations or industry practices that could mitigate the negative consequences of ELDs on truck drivers while still addressing legitimate safety concerns. Justify your proposals.