

INFO 102 Spring 2026 Quiz 2

Name: _____

NetID: _____

Each question has a box where you should clearly write your answer. If options are listed with letters, put the letter you chose in the box; otherwise put the word or number in the box.

Question 1: To know if an AI algorithm is **supervised** requires knowing

- A. If there's a feedback mechanism in its user interface
- B. What its training data looks like
- C. What problems it can solve
- D. Whether it learned with human help

Question 2: What is the word used to describe AI systems that continue to learn after they are released?

Question 3: Which one more directly impacts LLM electricity consumption:

- A. Length of text I send to it
- B. Length of text it sends back

Question 4: What is the name of the problem where an AI can repeat its training data well, not respond well to inputs not present in its training?

Information for 5–8: For each described AI system, identify what group of AI it is:

- A. Classification
- B. Clustering
- C. Generative
- D. Regression

Question 5: Given income and zip code, predict the value of owned vehicle(s).

Question 8: Given pictures of newly-discovered creatures, estimate how many species there are and which pictures are of each species

Question 6: Given satellite photographs of cities, pick out each tree in each photo.

Question 7: Given the past five days' weather reports, predict today's high temperature.

Question 9: Suppose an LLM response includes references to items from yesterday's news. This most likely means it

- A. has been fine-tuned
- B. is agentic
- C. is reasoning
- D. learns as it is running
- E. was trained in the last 24 hours

Question 10–13: What are the five stages of the **waterfall model** we discussed in class? There are points for names and order. Getting 4 out of 5 is full credit.

1.

2.

3.

4.

5.

Question 14: In software development, “upstream” refers to

- A. An earlier stage in the waterfall model
- B. Brittleness
- C. Libraries being used
- D. Previous versions of the software
- E. Requested by management

Question 15: Which of the following is an example of **refactoring**?

- A. Adding a “preferred name” field to everyone’s user profile.
- B. Changing which algorithm is used to sort numbers to be more performant.
- C. Disabling a buggy feature to keep the program running.
- D. Changing a program crash to show an error message instead.

Question 16: A scrum backlog is a list of stories. In this context, a story is a description of

- A. an implementation of the scrum design
- B. how part of the software is designed
- C. one piece of a larger software system
- D. something the software did wrong
- E. something the software should be able to do

Bonus Question (0.1 weight): If LLM agents start doing all software development, are human models like waterfall and scrum still relevant? Why or why not?