1 Choose the correct answer:

1 The function used to find the smallest value in a dataset is ..... .

a. np.mean() b. print() c. np.min() d. np.max()

2 In an artificial neuron, the formula for calculation is ..... .

a. (Inputs + Weights) × Bias b. (Inputs × Weights) + Bias

c. (Inputs / Weights) - Bias d. Weights + Bias

3 To add a new item to the end of a list, we use the ..... function.

a. .append() b. .add() c. .insert() d. .sum()

4 To calculate the average of a column in pandas, we use ..... .

a. .mean() b. .max() c. .sum() d. .total()

5 The ..... function calculates the number of items in a list.

a. sum() b. len() c. count() d. size()

6 "HTTPS" at the start of a website address indicates the use of ..... .

a. Encryption b. Viruses c. High speed d. Only images

7 The "Logic Theorist" was an early program that could solve ..... .

a. Car engines b. Video games

c. Medical cases d. Mathematical problems

2 Put (✓) or (✗):

1 Fairness in AI means treating all people without discrimination. ( )

2 A for loop is suitable when you know the number of iterations in advance. ( )

3 The Threshold function gives values between 0 and 1 only. ( )

4 A condition in Python must end with a semicolon (;). ( )

5 The activation function is responsible for executing the cell's final decision. ( )

6 Using AI to improve the lives of others is a responsible use. ( )

7 Pandas can be used to create graphs. ( )

8 The return statement is used to send a result out of a function. ( )

LIVEWORKSHEETS