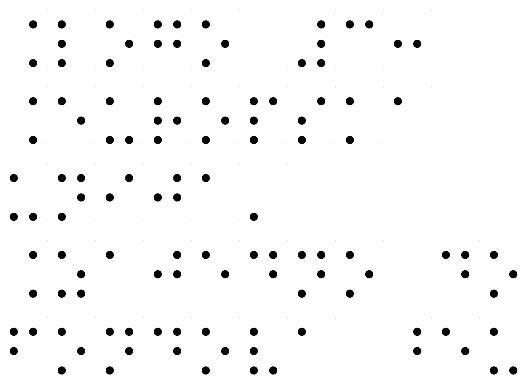
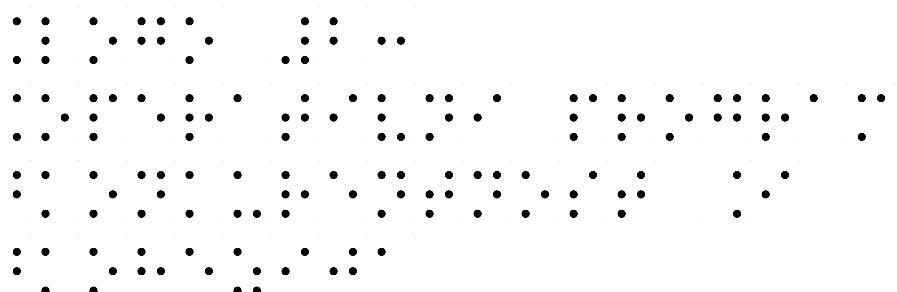
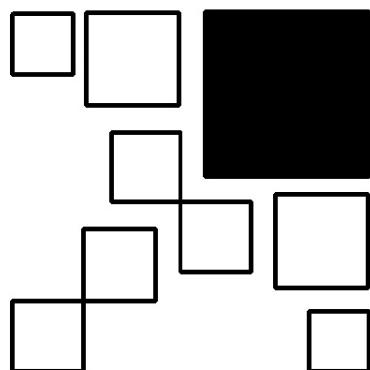
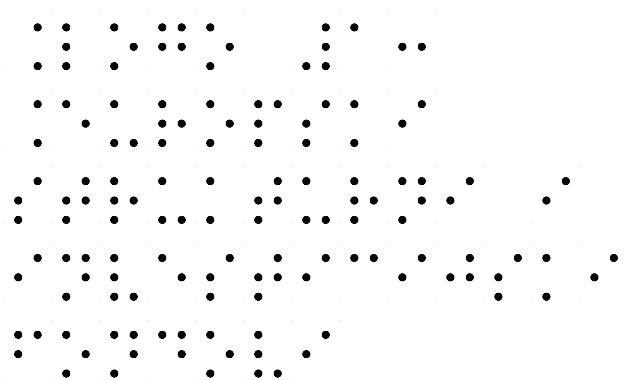
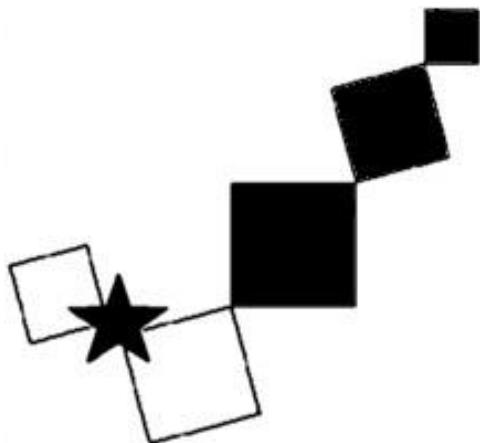
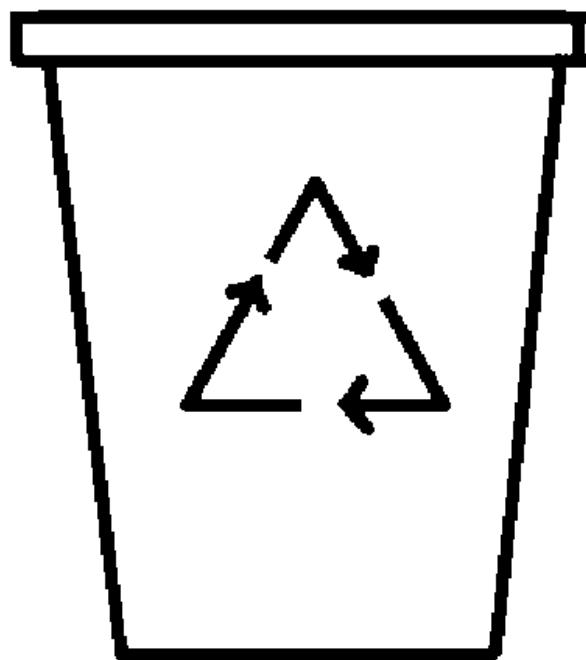


GRAD ZADAR



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A scatter plot showing the silhouette coefficient (y-axis, ranging from -0.5 to 1.0) versus the number of clusters k (x-axis, ranging from 1 to 10). The data points are black dots. A horizontal dashed line is drawn at approximately 0.74. The points generally increase as k increases, with a notable dip around $k=5$.

k	Silhouette Coefficient
1	0.74
2	0.74
3	0.74
4	0.74
5	0.68
6	0.74
7	0.74
8	0.74
9	0.74
10	0.74

ANSWER TO QUESTIONS

1. The first question is about the relationship between the number of hours spent studying and the grade received on a test. The data shows a positive correlation, indicating that as study time increases, test scores tend to increase as well. This suggests a causal relationship where more study leads to better performance.

2. The second question asks for the mean and standard deviation of a dataset. The mean is calculated by summing all values and dividing by the number of observations. The standard deviation measures the spread or dispersion of the data points around the mean.

3. The third question involves calculating the probability of drawing a red ball from a bag containing 5 red, 3 blue, and 2 green balls. The probability is determined by dividing the number of favorable outcomes (red balls) by the total number of possible outcomes (all balls).

4. The fourth question is a word problem involving a car's fuel efficiency. It asks for the total distance a car can travel given its fuel tank capacity and consumption rate. The formula for distance is derived from the relationship between fuel consumption and distance traveled.

5. The fifth question is a geometry problem asking for the area of a triangle. The formula for the area of a triangle is half the base times the height. The problem provides the base and height, which are then used to calculate the area.

6. The sixth question is a statistics problem asking for the median of a set of data. The median is the middle value when the data is ordered from least to greatest. If there is an even number of data points, the median is the average of the two middle numbers.

7. The seventh question is a physics problem involving the calculation of work done by a force. Work is defined as force multiplied by the distance over which it acts in the direction of the force. The formula is $W = F \cdot d \cdot \cos(\theta)$, where F is force, d is distance, and θ is the angle between the force and displacement vectors.

8. The eighth question is a chemistry problem asking for the molar mass of a compound. Molar mass is the sum of the atomic masses of all atoms in a molecule. It is calculated by multiplying the atomic mass of each element by its respective number of atoms in the molecule and then summing these products.

9. The ninth question is a biology problem asking for the function of a specific organelle. The organelle in question is the nucleus, which is responsible for storing genetic information and controlling cellular processes through the DNA it contains.

10. The tenth question is a physics problem asking for the final velocity of an object after it has been accelerated by a constant force over a certain distance. The formula for final velocity is derived from the equations of motion, specifically $v_f^2 = v_i^2 + 2ad$, where v_f is final velocity, v_i is initial velocity, a is acceleration, and d is distance.

1. **What is the capital of France?**

2. **What is the capital of Canada?**

3. **What is the capital of Australia?**

4. **What is the capital of the USA?**

5. **What is the capital of the UK?**

• I have been writing to you
and hope you will receive my
letter.

• I have been writing to you
and hope you will receive my
letter.

• I have been writing to you
and hope you will receive my
letter.

• I have been writing to you
and hope you will receive my
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letter.

• I have been writing to you
and hope you will receive my
letter.

A horizontal row of Braille characters. The first character has four dots in the top row and one dot in the bottom row. The second character has two dots in the top row and three dots in the bottom row. The third character has five dots in the top row and two dots in the bottom row. The fourth character has four dots in the top row and one dot in the bottom row. The fifth character has four dots in the top row and one dot in the bottom row.

A decorative horizontal separator consisting of two rows of black dots, centered at the bottom of the page.

A 5x5 grid of black dots arranged in five rows and five columns, representing a 5x5 matrix.

The image shows a horizontal sequence of Braille characters. The first character has a top row with two dots and a bottom row with three dots. The second character has a top row with one dot and a bottom row with four dots. The third character has a top row with three dots and a bottom row with two dots. The fourth character has a top row with one dot and a bottom row with three dots. The fifth character has a top row with two dots and a bottom row with three dots. The sixth character has a top row with one dot and a bottom row with three dots. The seventh character has a top row with two dots and a bottom row with three dots.

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A 3x10 grid of black dots arranged in three rows and ten columns. The dots are positioned to represent a specific Braille character, likely 'E' or 'G'. The first dot in each row is raised.

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• • • • • • • • • • • • •

A 10x10 grid of black dots, representing a sparse matrix with 10 non-zero elements. The dots are located at positions (1,1), (2,2), (3,3), (4,4), (5,5), (6,6), (7,7), (8,8), and (9,9).

A horizontal sequence of black dots arranged in a grid pattern, representing a binary matrix. The dots are organized into several vertical columns. The first column has 3 rows. The second column has 2 rows. The third column has 3 rows. The fourth column has 2 rows. The fifth column has 3 rows. The sixth column has 2 rows. The seventh column has 3 rows. The eighth column has 2 rows. The ninth column has 3 rows. The tenth column has 2 rows. The eleventh column has 3 rows. The twelfth column has 2 rows. The thirteenth column has 3 rows. The fourteenth column has 2 rows. The fifteenth column has 3 rows. The sixteenth column has 2 rows. The seventeenth column has 3 rows. The eighteenth column has 2 rows. The nineteenth column has 3 rows. The twentieth column has 2 rows. The twenty-first column has 3 rows. The twenty-second column has 2 rows. The twenty-third column has 3 rows. The twenty-fourth column has 2 rows. The twenty-fifth column has 3 rows. The twenty-sixth column has 2 rows. The twenty-seventh column has 3 rows. The twenty-eighth column has 2 rows. The twenty-ninth column has 3 rows. The thirtieth column has 2 rows. The thirty-first column has 3 rows. The thirty-second column has 2 rows. The thirty-third column has 3 rows. The thirty-fourth column has 2 rows. The thirty-fifth column has 3 rows. The thirty-sixth column has 2 rows. The thirty-seventh column has 3 rows. The thirty-eighth column has 2 rows. The thirty-ninth column has 3 rows. The forty-th column has 2 rows. The forty-first column has 3 rows. The forty-second column has 2 rows. The forty-third column has 3 rows. The forty-fourth column has 2 rows. The forty-fifth column has 3 rows. The forty-sixth column has 2 rows. The forty-seventh column has 3 rows. The forty-eighth column has 2 rows. The forty-ninth column has 3 rows. The五十th column has 2 rows. The fifty-first column has 3 rows. The fifty-second column has 2 rows. The fifty-third column has 3 rows. The fifty-fourth column has 2 rows. The fifty-fifth column has 3 rows. The fifty-sixth column has 2 rows. The fifty-seventh column has 3 rows. The fifty-eighth column has 2 rows. The fifty-ninth column has 3 rows. The六十th column has 2 rows. The六十-first column has 3 rows. The六十-second column has 2 rows. The六十-third column has 3 rows. The六十-fourth column has 2 rows. The六十-fifth column has 3 rows. The六十-sixth column has 2 rows. The六十-seven column has 3 rows. The六十-eight column has 2 rows. The六十-nine column has 3 rows. The七十th column has 2 rows. The七十-one column has 3 rows. The七十-two column has 2 rows. The七十-three column has 3 rows. The七十-four column has 2 rows. The七十-five column has 3 rows. The七十-six column has 2 rows. The七十-seven column has 3 rows. The七十-eight column has 2 rows. The七十-nine column has 3 rows. The八十th column has 2 rows. The八十-one column has 3 rows. The八十-two column has 2 rows. The八十-three column has 3 rows. The八十-four column has 2 rows. The八十-five column has 3 rows. The八十-six column has 2 rows. The八十-seven column has 3 rows. The八十-eight column has 2 rows. The八十-nine column has 3 rows. The九十th column has 2 rows. The九十-one column has 3 rows. The九十-two column has 2 rows. The九十-three column has 3 rows. The九十-four column has 2 rows. The九十-five column has 3 rows. The九十-six column has 2 rows. The九十-seven column has 3 rows. The九十-eight column has 2 rows. The九十-nine column has 3 rows. The一百th column has 2 rows.

the world's first and largest
commercially produced
and traded oilseed
crop. It is also the
world's largest
oilseed crop.
It is also the
world's largest
oilseed crop.
It is also the
world's largest
oilseed crop.

Oilseed crops include
soybeans, canola, sunflower,
peanut, and rapeseed.

Oilseed crops are grown for
their oil content. Oilseed crops
are also grown for their protein
content. Oilseed crops are also
grown for their fiber content.
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