SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
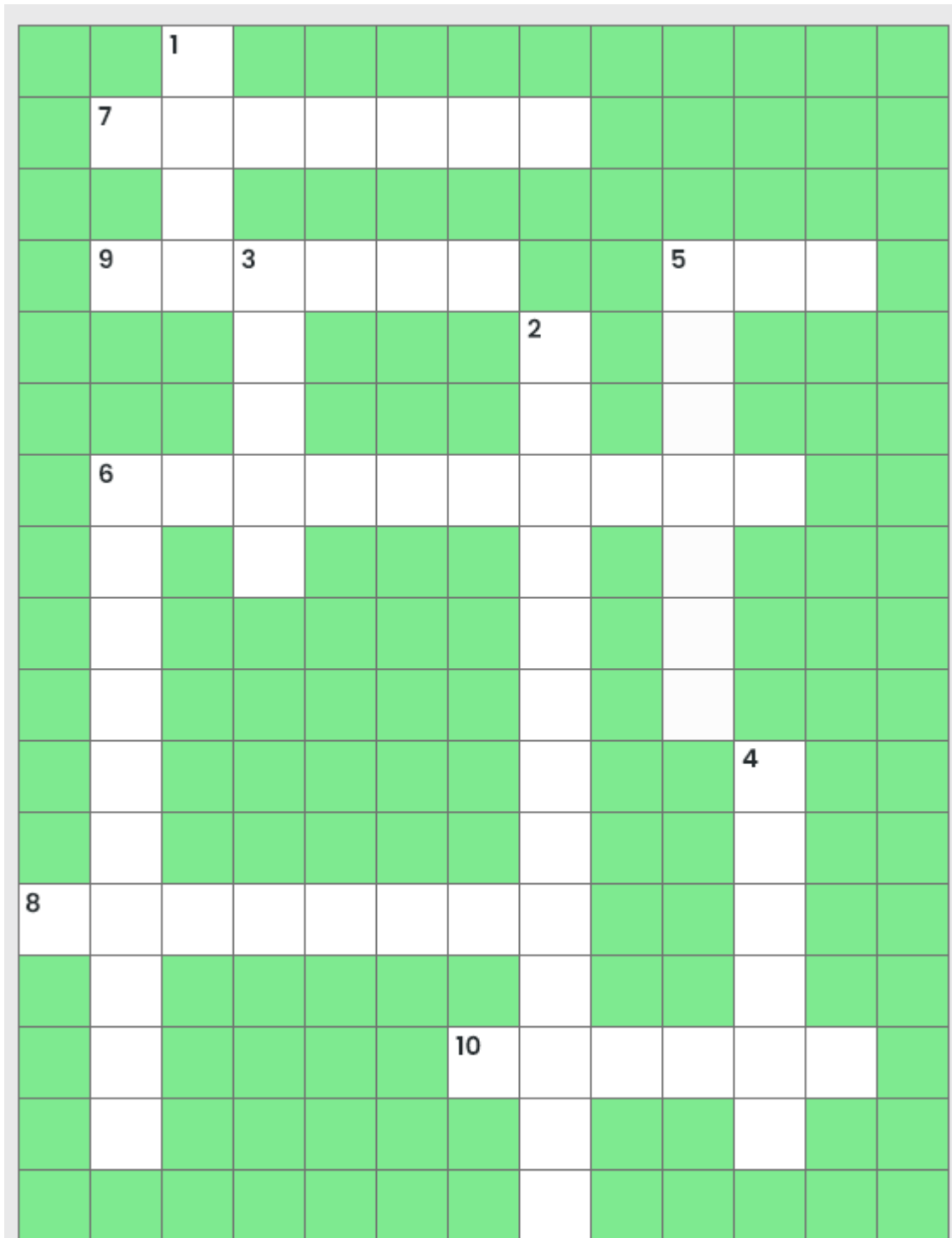*Accredited by NAAC-UGC with 'A++' Grade (Cycle III) &*
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COIMBATORE-641 035, TAMIL NADU

Puzzle 1

DOWN

1. _____ cleaning is a crucial step in the machine learning (ML) pipeline, as it involves identifying and removing any missing, duplicate, or irrelevant _____.
2. _____ Learning is the science of decision making. It is about learning the optimal behavior in an environment to obtain maximum reward.
3. _____ is a very popular python library for large multi-dimensional array and matrix processing.
4. _____ regression is a type of supervised machine learning algorithm that computes the linear relationship between a dependent variable and one or more independent features.
5. If a feature represents a characteristic measured in numbers , it is called a _____ feature.
6. A _____ or a parse tree is a tree representation of different syntactic categories of a sentence. It helps us to understand the syntactical structure of a sentence.

ACROSS

7. _____ data includes a label or target variable that the model is trying to predict, whereas unlabeled data does not include a label or target variable.
8. _____ regression is a method of fitting a regression model by iteratively adding or removing variables.
9. _____ is a popular Python library for data analysis. It is not directly related to Machine Learning. As we know that the dataset must be prepared before training.
10. Artificial _____ Network learning is robust to errors in the training data and has been successfully applied for learning real-valued, discrete-valued, and vector-valued functions containing problems such as interpreting visual scenes, speech recognition, and learning robot control strategies.
5. _____ is a field of Artificial Intelligence (AI) that deals with the interaction between computers and human languages.
6. _____ learning is when the model is getting trained on a labelled dataset.

Answer:

Crossword Puzzle

Across / Down entries (filled letters):

- 1 (down): D
- 7 (across): LABELED
- 1 (down continued): DATA... (column: D, A, T, A)
- 9 (across): PANDAS
- 3 (down): NUM... (N, U, M)
- 5 (down): NUM... column: N, U, M
- 5 (across): NLP
- 2 (down): REINFORCE... (R, E, ... N, F, O, R, C, E, M, E, N, T)
- 6 (across): SUPERVISED
- 6 (down): SYNTAX
- 8 (across): STEPWISE
- 4 (down): LINE... (L, I, N, E, E, R)
- 10 (across): NEURAL

Grid letters by row:

Row 1: . . D . . . .
Row 2 (7): L A B E L E D
Row 3: . . T
Row 4 (9): P A N D A S . . NLP (N L P at 5)
Row 5: . . U . . . R . U
Row 6: . . M . . . E . M
Row 7 (6): S U P E R V I S E D
Row 8: Y . Y . . . N . R
Row 9: N . . . . . F . I
Row 10: T . . . . . O . C
Row 11: A . . . . . R . . L (4)
Row 12: X . . . . . C . . I
Row 13 (8): S T E P W I S E . . N
Row 14: . R . . . . M . . E
Row 15: . E . . . 10 N E U R A L
Row 16: . E . . . . N . . R
Row 17: . . . . . . T