

Structure of a typical pattern recognition system

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Table of Contents

| | |
|-----------------------|----------|
| 1.ANSWERS..... | 3 |
|-----------------------|----------|

1.ANSWERS

1. Model, Preprocessing, Segmentation, Feature extraction, Training samples, Decision theory, Decision boundary, Generalization, Analysis by synthesis and pattern classification.
2. If the measurements are not perfect, the imperfections are removed using preprocessing step.
3. The area of interest is to be isolated from the rest of the object. This is done using segmentation algorithms.
4. Time taken by the computer for learning a pattern type is called computational complexity of learning
5. No