Abstract

Machine learning is ability of the machine to capture the data, analyze it and make decision as like human being perform in everyday life. Sometimes it also referred as pattern recognition or classification. With use of latest computing technology and soft computing, it is now possible for machines to act with intelligence as human. Various industries like automobile, medical diagnosis are using machines for fast and accurate data capturing and analyzing. Our study is conducted to justify these machine abilities in the field of floriculture. A knowledge base in flower domain is used for the Intra-class sorting purpose. The flower sorter is designed to capture the flower images and with artificial neural network classifier, the images are classified in four flower color classes. In the study, supervised learning algorithm is used for machine learning. The classification accuracy of flower sorter is found to be 98%.

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Index Terms

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Keywords
Machine Learning; Classification; Flower; Sorting; ANN; Knowledge base.