

Multinomial Logistics Regression for Digital Image Classification

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Spectrally homogeneous and spatially contiguous image segments could be derived using the image segmentation algorithms such as K-mean. This paper suggests multinomial logistics regression models to interpret the spectrally homogeneous and spatially contiguous segments to fit them into the examined information classes instead of using traditional entire experience-based labeling systems to associate these cluster segments with meaningful information classes.

Keywords: Image segmentation, Multinomial Logistics Regression, Information Classes

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