

Lecture 6: Image segmentation

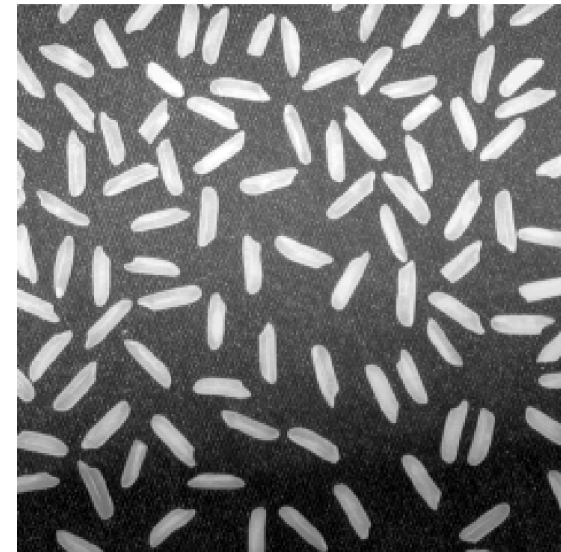
Spatial statistics and Image Analysis

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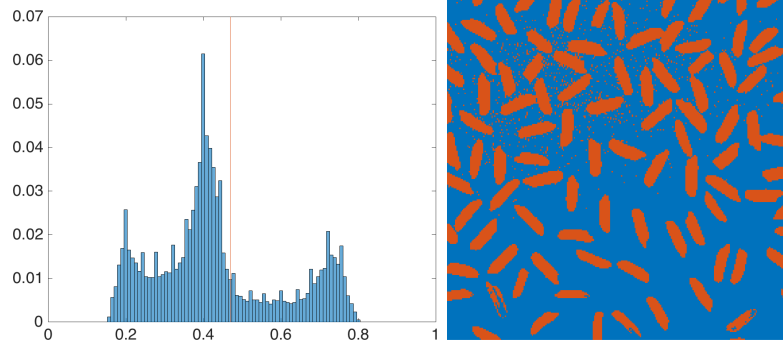
Gothenburg
April 10, 2019



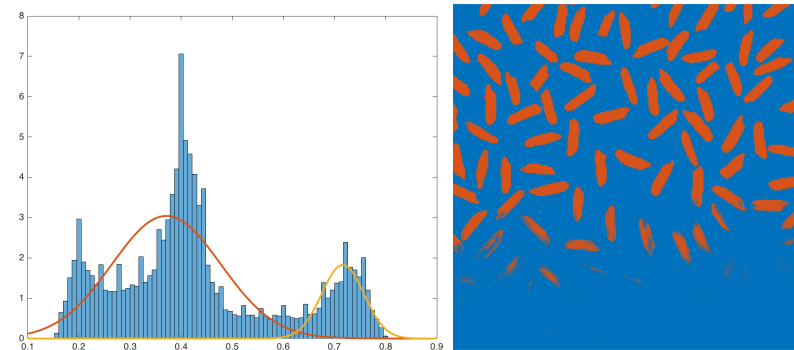
Image classification



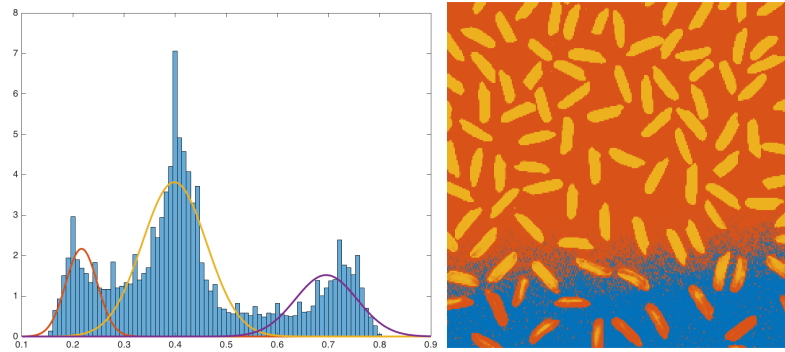
Intensity-based thresholding



GMM with $K = 2$



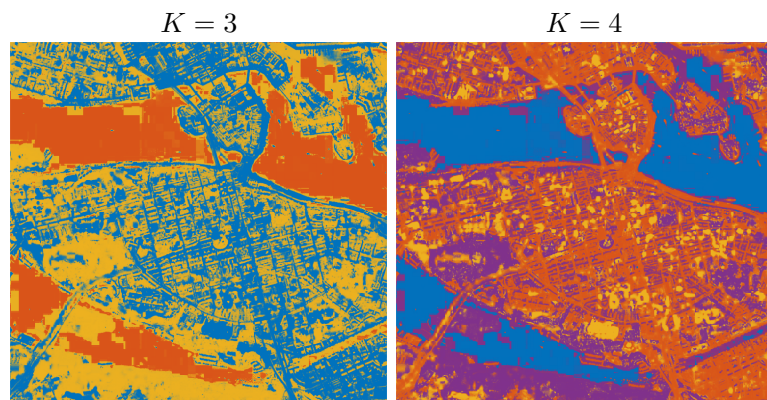
GMM with $K = 3$



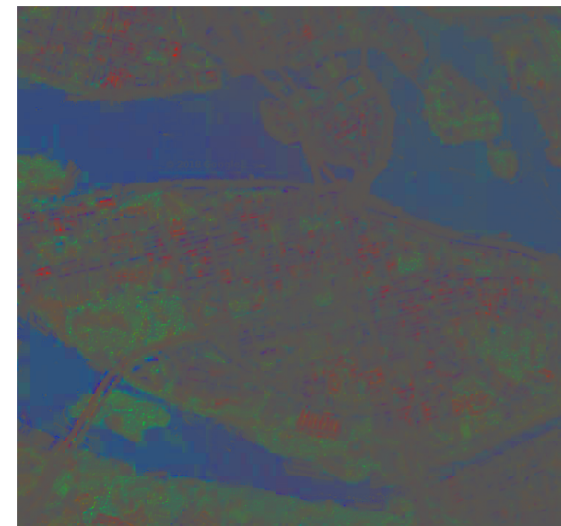
Classification using colors



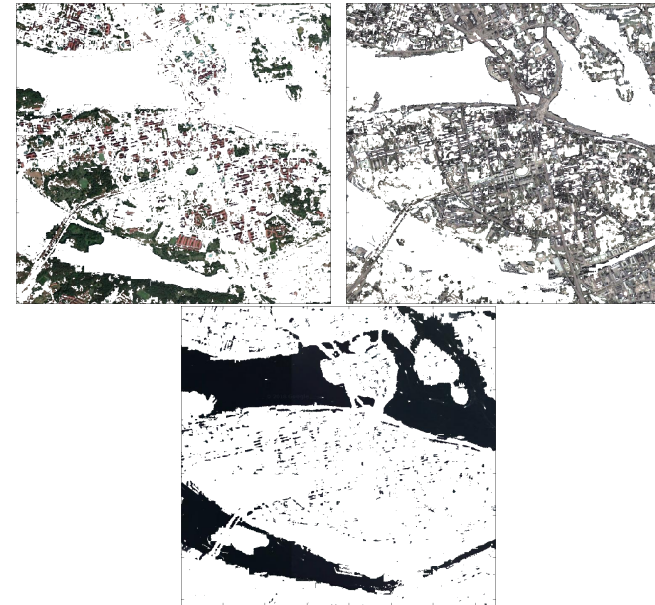
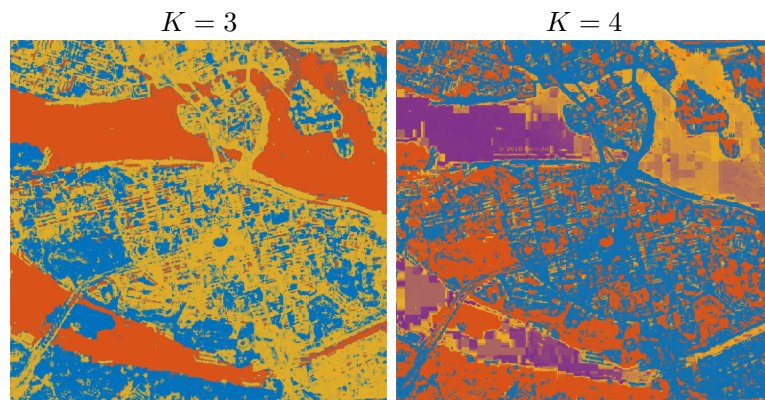
RGB classification



Relative colors



Classification using relative amount of green and blue



K-means vs general GMMs

