#### CHALMERS

Lecture 6: Image segmentation Spatial statistics and Image Analysis



Gothenburg April 10, 2019

David Bolin University of Gothenburg



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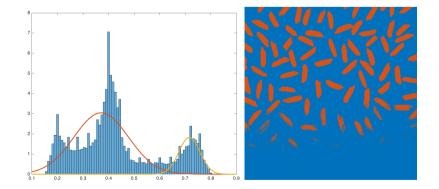
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Image classification

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Intensity-based thresholding

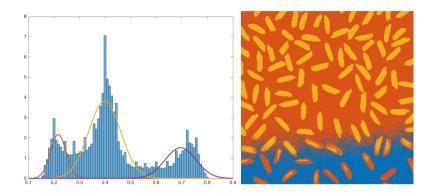
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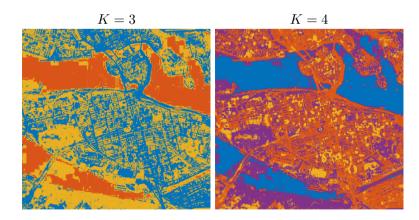
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## GMM with K = 3



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## UNIVERSITY OF GOTHENBURG RGB classification

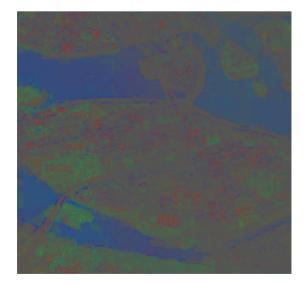


## Classification using colors



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## UNIVERSITY OF GOTHENBURG Relative colors

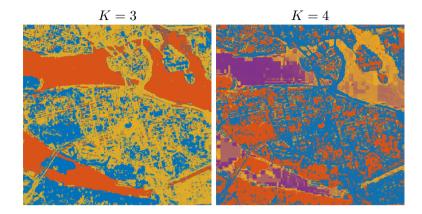


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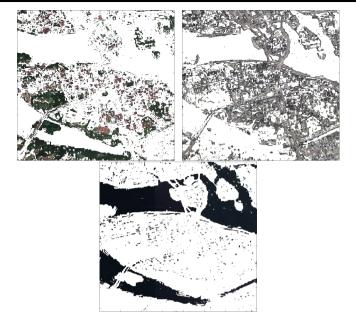
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# Classification using relative amount of green and blue



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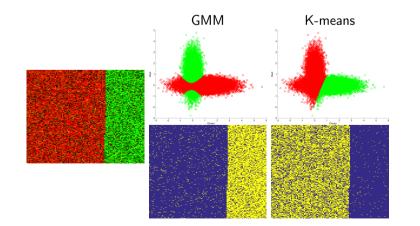


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K-means vs general GMMs	



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