Unsupervised Learning of Hierarchical Spatial Structures in Images

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1. Overview

2. Hierarchical model

3. Inference

4. Unsupervised learning

5. Example rules learnt

6. Unsupervised object categorization

7. Outdoor scenes

8. Street scenes

Learning: Unsupervised EM style
Inference: Minimum cost Steiner tree

Overview

Inference

Unsupervised learning

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Unsupervised object categorization

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Street scenes