

# From a Set of Shapes to Object Discovery

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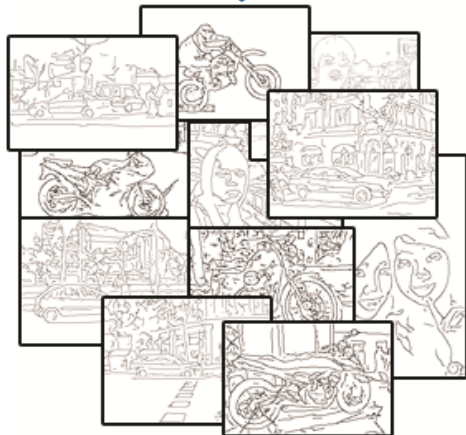
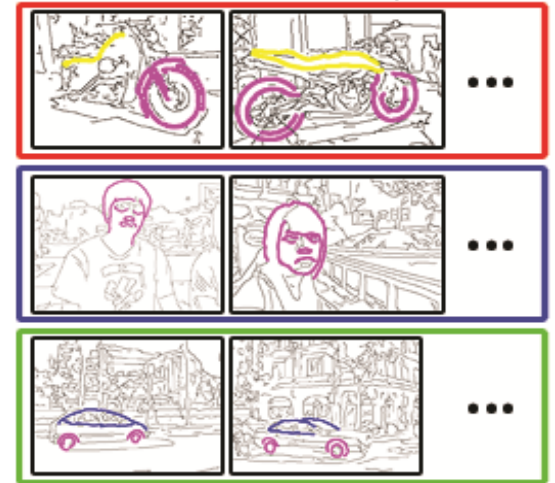
input



Given a set of unlabeled images,  
discover objects and parts, and  
learn their statistical models  
by mining

similar layouts of edges

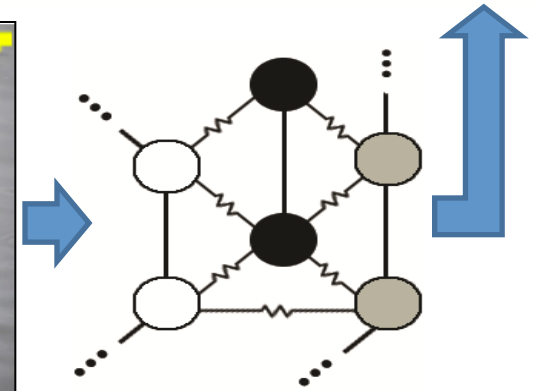
discovered objects



edge extraction



layout similarity using homography



graphical model