Image Region Segmentation

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Region Segmentation Introduction

Goal: Identify groups of pixels that go together

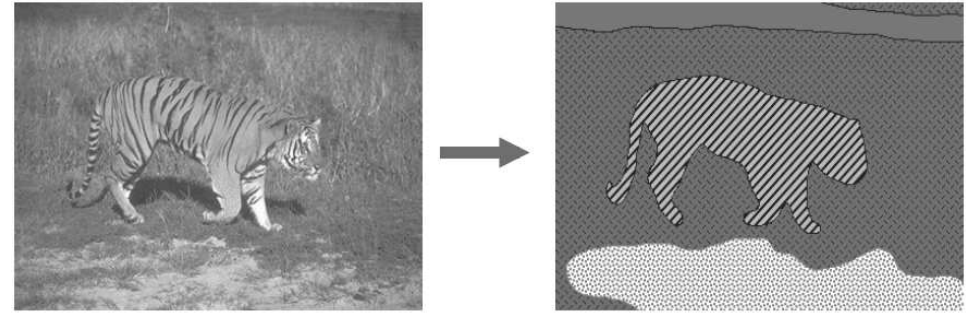

Image credit: Steve Seitz, Kristen Grauman

Slide credit: Bob Fisher
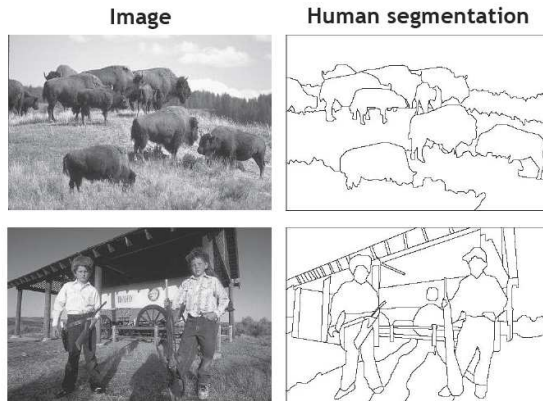
Regions Suggest Objects

Separate image into objects:

Image credit: Svetlana Lazebnik

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Common Segmentation Approaches

1. **Contrast** - objects have different lightness: thresholding

2. **Change** - objects different from ? : background models

3. **Similarity** - objects have consistent colours: colour clustering

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Lecture Overview

1. Segmentation goal - identify important objects

2. Several [?] approaches

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