Self-supervised Learning for image classification on DeepFashion

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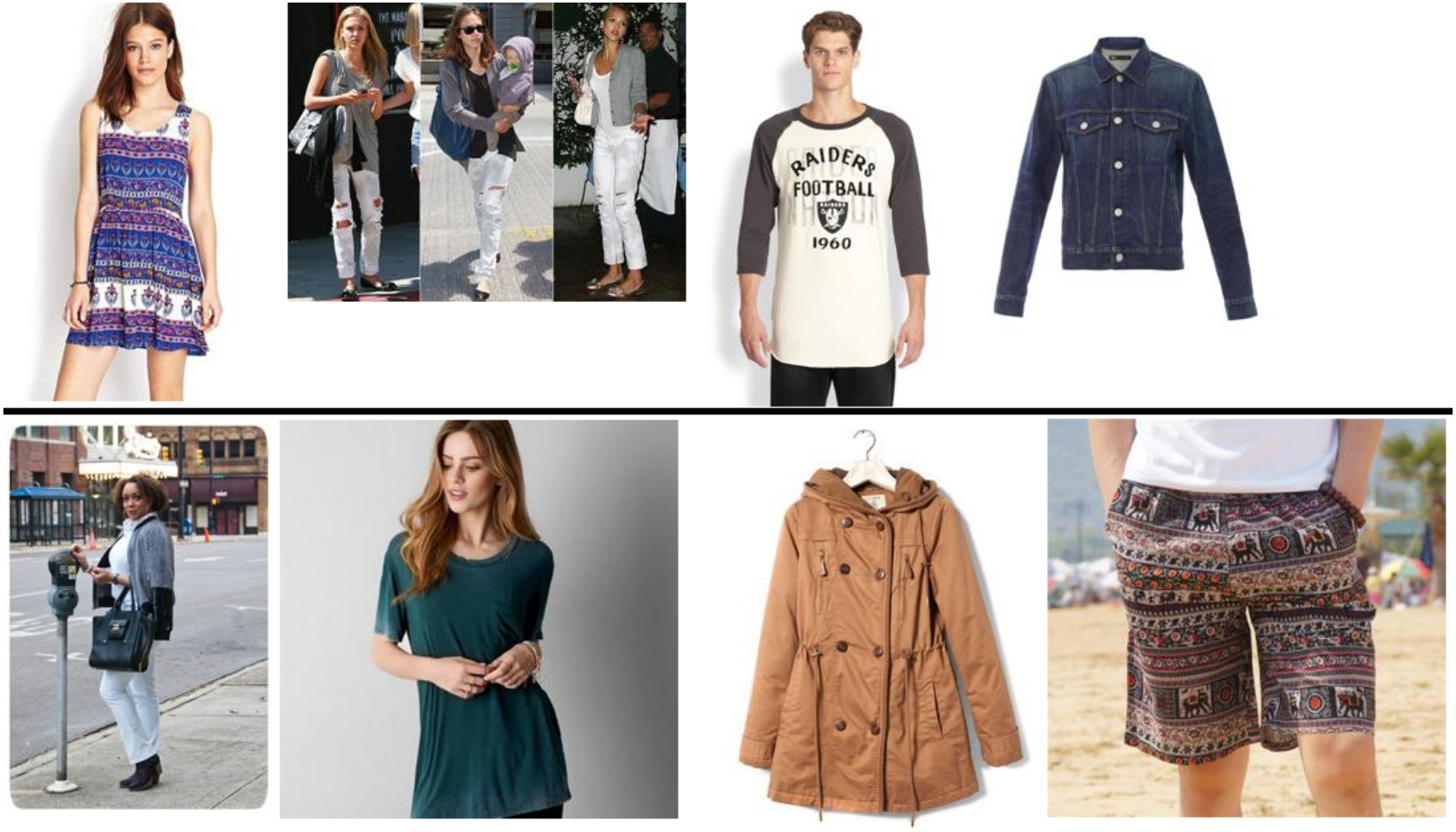
DeepFashion dataset

Our solution

Results

Conclusions

DeepFashion



- 289222 images
- 48 classes (Hoodie, Jeans, Jumpsuit, . . .)

Preprocessing

- Random crop to the smaller size (width or height)
- Resize to 227x227

Self-supervised Learning

- 70% of the dataset
- Jigsaw Puzzle (3x3 tiles)
- AlexNet
- Optimizer: Adam with constant learning rate 0.0001

Classification

- AlexNet initialized with the weights of the self-supervised part
- Optimizer: Adam with constant learning rate 0.001

Results

Conclusions

Questions?

This has to be presented:

- Task description
- Motivation
- Challenges
- Prior work
- Your solution
- Results and analysis
- Conclusions