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Fashion Landmark Detection in the Wild ECCV16

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EUROPEAN CONFERENCE ON COMPUTER VISION

Motivation

Problem:

• How to achieve accurate fashion image understanding?



- None-rigid deformations Challenges: •
 - Larger spatial variances
 - Larger appearance variances ----- Appearance







Fashion Landmark is Discriminative Representation





Four benchmarks are developed using the **DeepFashion** database, including **Attribute Prediction, Consumer-to**shop Clothes Retrieval, In-shop **Clothes Retrieval**, and **Landmark Detection**.

Fashion Landmark Detection Benchmark evaluates the performance of fashion landmark detection. It contains:

- **123,016** number of **clothes images**;
- 8 fashion landmarks (both location and visibility) for each image;
- Each image is also annotated by **bounding box**, **clothing** type and variation type.



Fashion Alignment



Visual Results



DeepFashion dataset is available at

http://mmlab.ie.cuhk.edu.hk/projects/DeepFashion/LandmarkDetection.html