Fashion Images Verification

Introduction

- Visual fashion analysis has attracted attention
- Previous work recognizes clothing items by image segmentation and search by the whole clothing region
- Latest work introduces a deep learning model FashionNet, together with the DeepFashion dataset, to predict important fashion landmarks and also fashion attributes

Our Objective:
- To contribute to the existing learning model by considering human joints as input to facilitate learning process

Approaches

- The flowchart of the CNN
- Multi-task learning
- Multi-stage learning

Results

SGD vs Adagrad

Error plots against iterations (L: equal weights, R: heavier weights)

Mean loss of different methods

Conclusion

- DeepFashion has been extended
- Human joint information is added
- Linear transformation and deep learning method are also investigated
- Their accuracies of predicting fashion landmarks have been observed