

Does this go together?

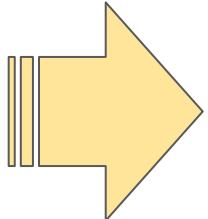
www.styleup.net

Jalal Kiani

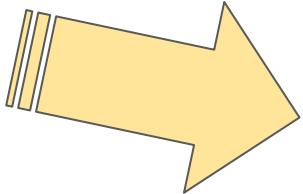


Take a photo, dress like a pro!

Use the color scheme from a cloth you already have, like a jean, to find which shirt or jacket matches with it.



Use the photo of your favorite cloth to find clothes with the same color composition



CLOTHING SWIMWEAR LINGERIE PLUS SIZE WHAT'S NEW TRENDS PRE-ORDER SALE

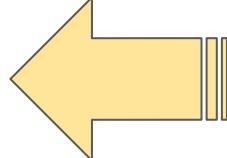
Clothing / Tops / Long Sleeve / EMBROIDERED BELL SLEEVE TOP

EMBROIDERED BELL SLEEVE TOP
\$56 ON SALE \$27.99 4.7 85 Reviews
COLOR (BLACK)
SELECT SIZE:
 XS S M L XL XXL
SELECT QUANTITY:
 SIZE CHART
 ADD TO BAG ADD TO WISH LIST

DESCRIPTION MORE DETAILS GET SOCIAL

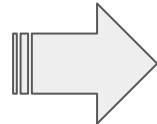
Bell-sleeve top with intricate, embroidered details at the neckline have a hint of nighttime gipsy vibes.

- Sizes XS (2), S (4-6), M (8-10), L (12-14), XL (16)
- Fabric Content: Viscose/Elastane 24%, Spandex 24%, Polyester 24%, Cotton 24%
- Deep V back and mesh details
- Viscose/Elastane with poly lace. Imported

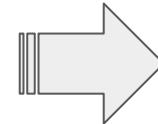


Model in a nutshell

Data



Model

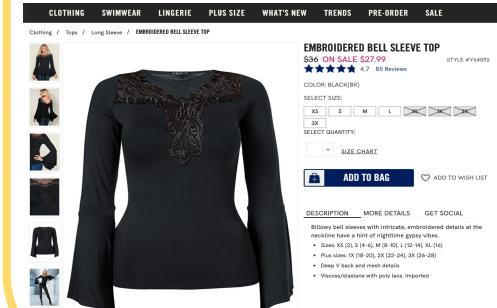


Output

- ❑ 300k images for training
- ❑ 5k images for prediction and recommendation

- ❑ Attribute tagging and detect boxes
- ❑ Find the color compositions of clothes
- ❑ Group clothes based on their color compositions

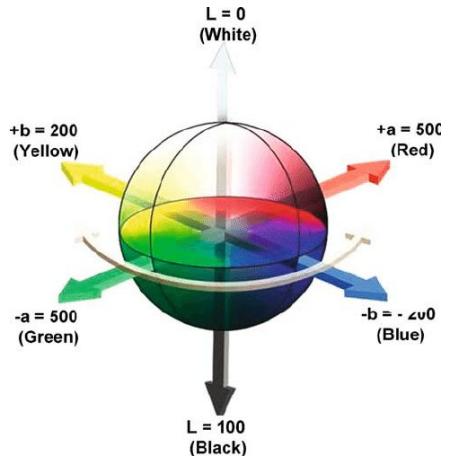
Links to the recommended cloth based on the user query



The model trained on the DeepFashion dataset had an accuracy of 95% on the attribute detection of reference images.



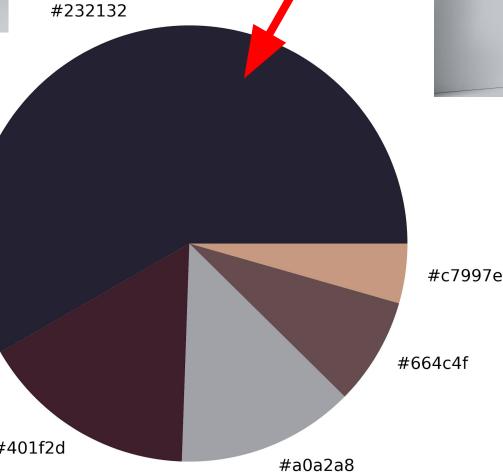
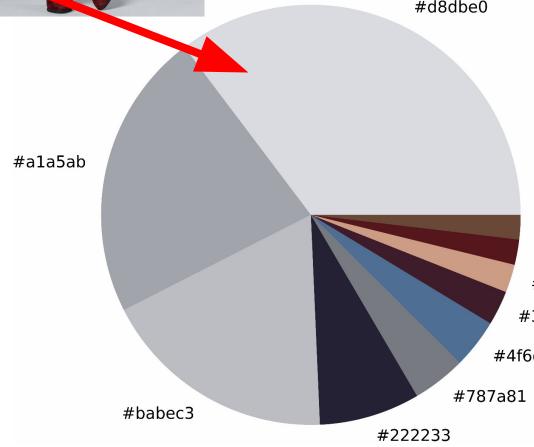
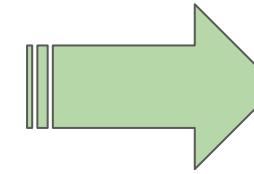
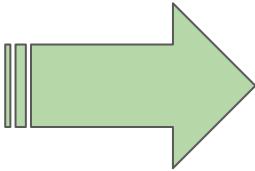
Finding the most dominant colors



K-means with 5 lab colors



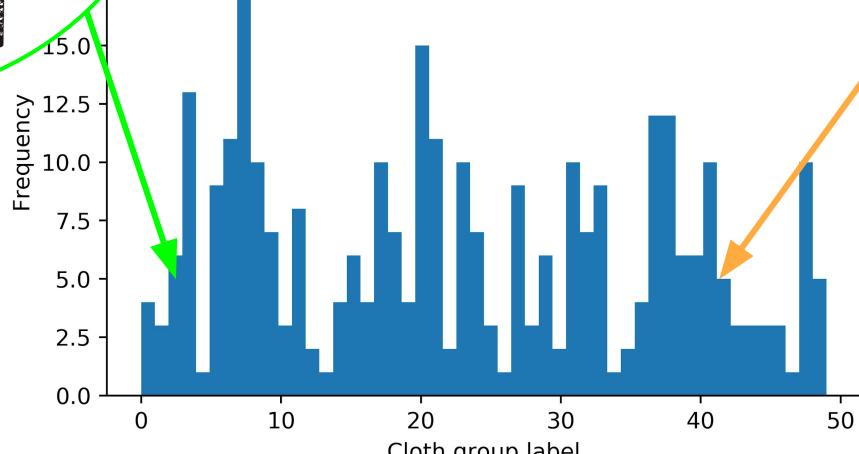
Dominant color of the cloth!



Clusters of clothes with the same color compositions



Histogram of Color Composition



StyleUP!

Provides an interactive recommendation tool utilized by e-commerce clothing companies.

Lets you snap photos of your cloth and provides a list of clothes matched with it from a reference clothing catalogue, which is already designed by a professional designer.

