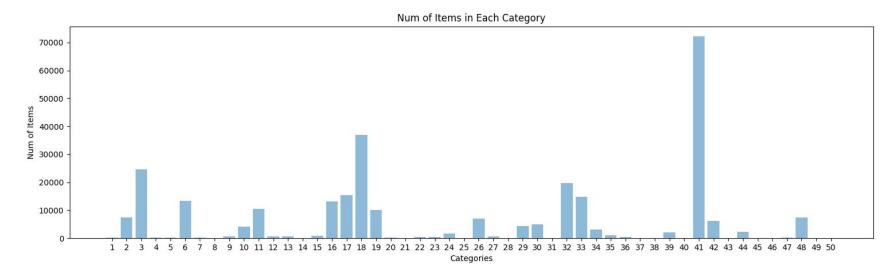
Progress Report

Wayne, Kelson, and Young-Joo

Data Cleaning: Before and After

Original 50 Categories



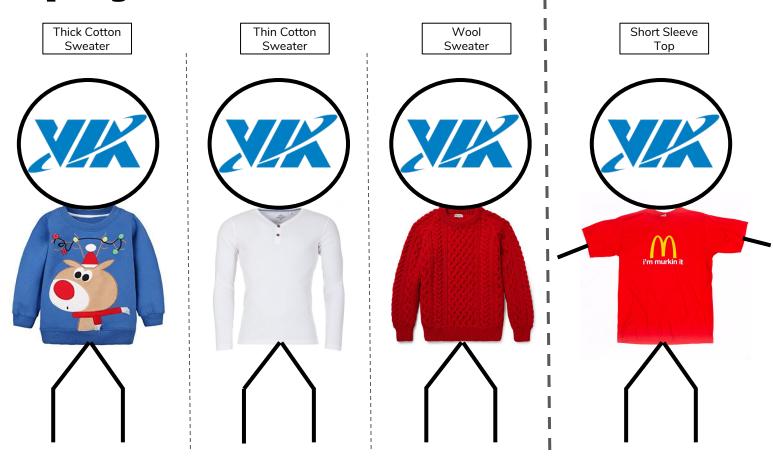


Our New 17 Categories



Coming Soon !!! [After We Finish Cleaning Our Dataset] Our goal is to have 5000 images per category

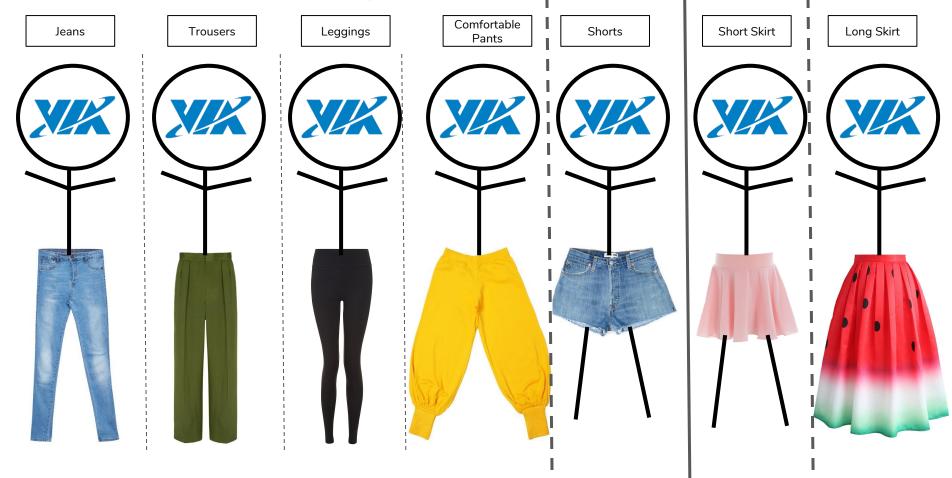
Top: length of sleeves > material



Sleeveless Top



Bottom: length > well-known types



Full-body: length

Long Full -body Wear



Short Full

Outerwear: well-known types





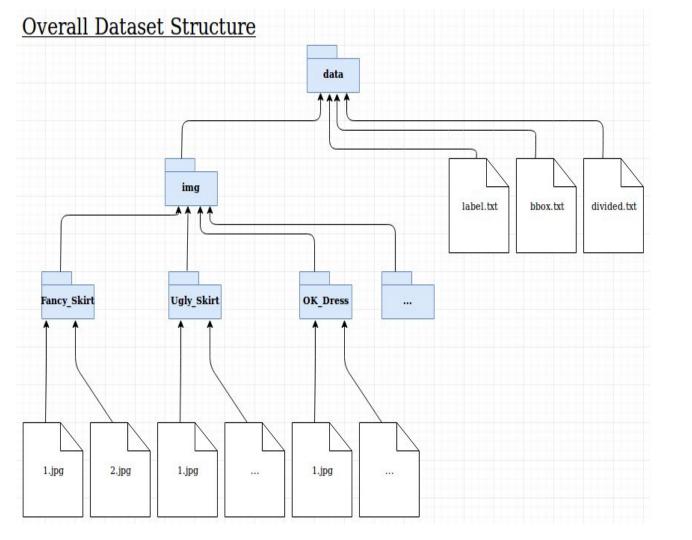
Blazer



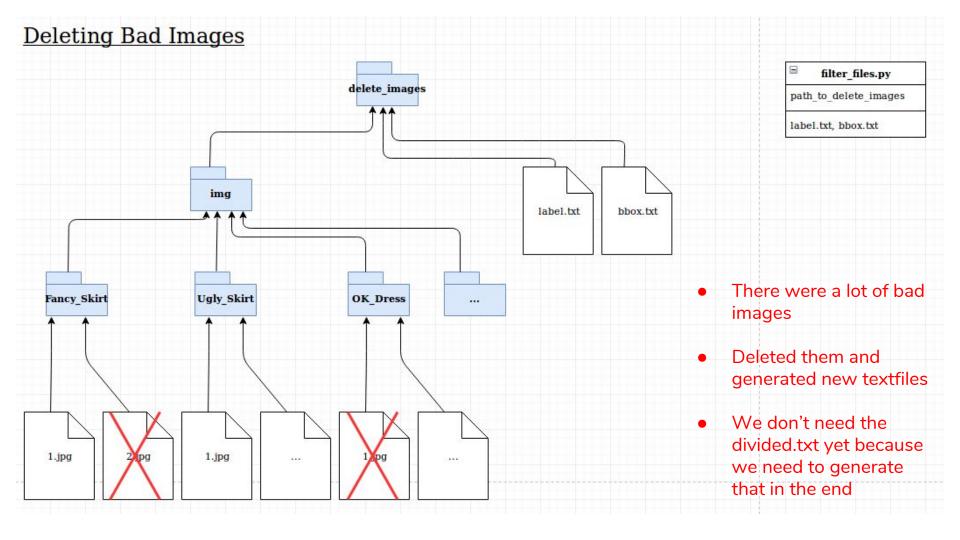
Winter Wear



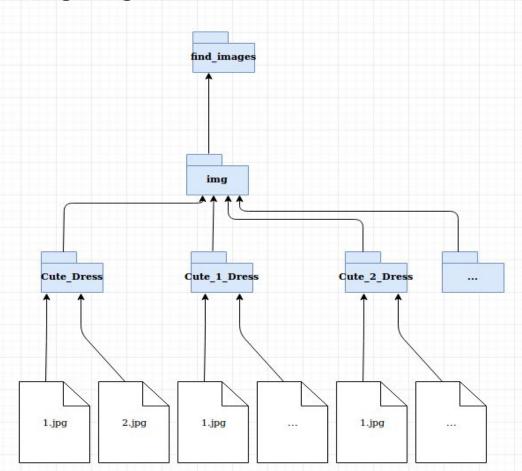
Data Cleaning: The Process



- How the deep fashion dataset is organized
- Tried to keep the original structure as much as possible

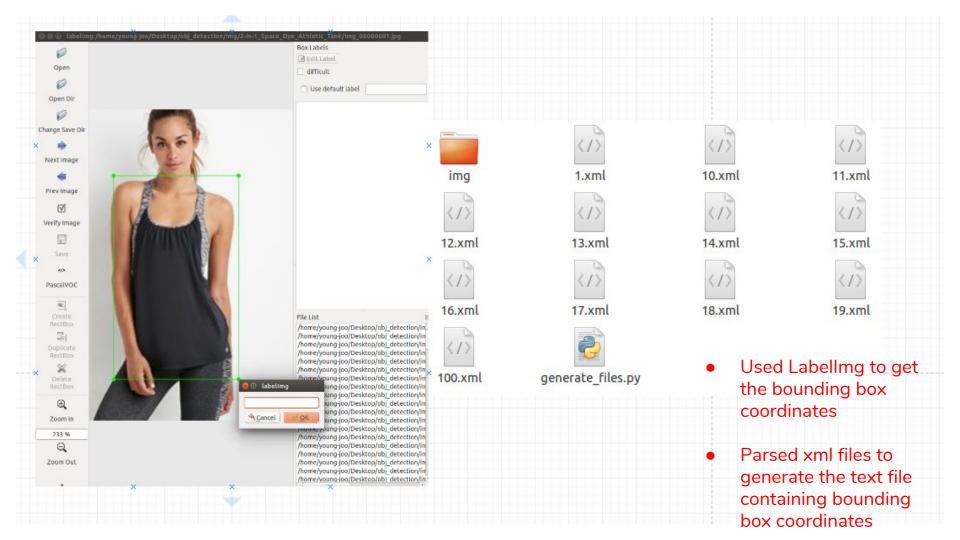


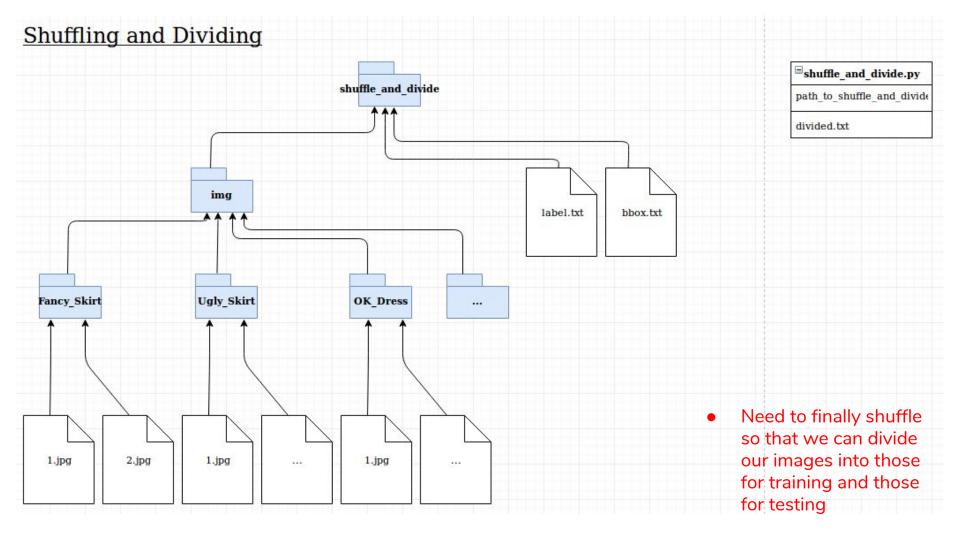
Finding Images Online

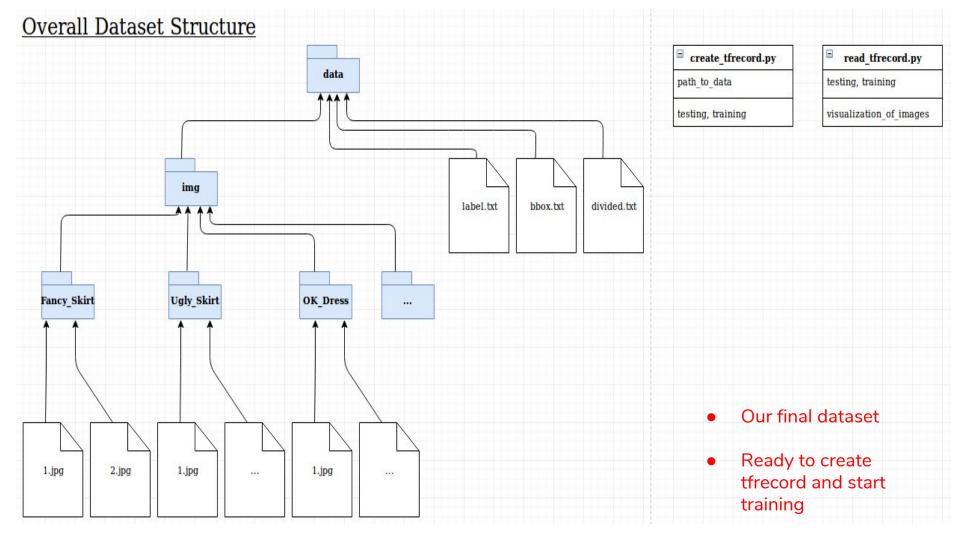


path_to_img
label.txt, bbox.txt

- There weren't enough images for some categories
- Downloaded images from Google
- Tried to organize the downloaded images in the same structure as the original structure
- Needed to generate the two text files from scratch







Demo

```
SSD_MobileNet_V2

Speed: 31ms/image → about 30 FPS
Categories:
    short_sleeve_top,
    sleeveless_top,
    wool_sweater,
    winter_wear,
    blazer
Each with 2900 training images
```

Demo portal

Plans for the Near Future

- Combining our data
- Figuring out how to incorporate heat maps to find ways to improve the performance of our model
 - Alter our dataset accordingly
- If time allows:
 - Deleting images with bad bounding boxes
 - Previously we only deleted images of poor quality
 - Getting more data
 - Trying different object detection models