

30.10.2023 – 06.11.2023

Hüseyin Onur Taştan

Erdem Akdağlı

Cihat Kaya

This week, we decided to take a closer look at data analysis efforts in the fashion industry. To determine which models we should use, we examined the data in detail and evaluated different options.

Data Analysis for Clothing Classification

There are thousands of different types of clothing in the fashion industry. This week we focused on data analysis models used in the fashion industry.

Data Processing Steps and Analysis

Now, let's take a look at the data processing steps to implement these concepts. First, we import the libraries needed to assemble and analyze the data. Next, we examined the dataset in detail and performed a sample analysis, focusing on specific types of clothing (Gloves, Belts). However, this analysis is just an example, and it is important to evaluate the dataset overall for a broader perspective. To explain this in two steps:

1. Selection Process

We carefully compiled our dataset by selecting images related to 'Gloves' and 'Belt'. This involved using data analysis to filter and categorize items by article types.

2. Image Processing

With our dataset ready, we embarked on the image processing journey. By leveraging OpenCV, we achieved uniformity and quality by performing image processing seamlessly. Each image was transformed to reside in our designated storage area, allowing for easy accessibility and analysis.