



# SOULPAGE

IT SOLUTIONS

## **The Metropolitan Museum of Art Descriptive Analysis**





# The Metropolitan Museum of Art Open Access Analysis

## Problem:-

The Metropolitan Museum of Art presents over 5,000 years of art from around the world for everyone to experience and enjoy. The Museum lives in three iconic sites in New York City—The Met Fifth Avenue, The Met Breuer, and The Met Cloisters. Millions of people also take part in The Met experience online.

Since it was founded in 1870, The Met has always aspired to be more than a treasury of rare and beautiful objects. Every day, art comes alive in the Museums galleries and through its exhibitions and events, revealing both new ideas and unexpected connections across time and across cultures.

We have data till 7-4-2017 with more than 420,000 artworks in its Collection. With the huge incoming of Artworks from all over the world, the Metropolitan Museum of Art wants to know all the information on the Artworks that it has.

## Opportunity:-

From all the data available, we can bring out some neat insights or conclusions such as

- Which Department has more number of paintings?
- Out of all, how many Artworks are in the public domain?
- What are the types of artworks that are more in the presentation?
- What are the cultures that these Artworks are from?
- Which culture has the highest number of Artworks?
- Who has More number of Artworks in the presentation?

All these questions can be answered in this report.

## Tools used:-

1. Python 3.6
2. Numpy
3. Pandas
4. Matplotlib
5. Seaborn
6. Jupyter notebook



## **Dataset:-**

The Metropolitan Museum of Art provides select datasets of information on more than 420,000 artworks in its Collection for unrestricted commercial and noncommercial use. To the extent possible under the law, The Metropolitan Museum of Art has waived all copyright and related or neighboring rights to this dataset using Creative Commons Zero. This work is published from: The United States Of America. These select datasets are now available for use in any media.

You can find and download the Dataset from [here](#). This Dataset consists of 448203 records with 43 columns/features with a memory size of 141MB with different data types like int, float, and object. This Dataset is in CSV format encoded in UTF - 8. You can look at each and every feature in the link. You can also see their online presence [here](#).

## **Process:-**

Use the tools that we have like Numpy, Pandas, Matplotlib, Seaborn and Python to get insights as asked above from the data. Let's answer each and every point one by one.

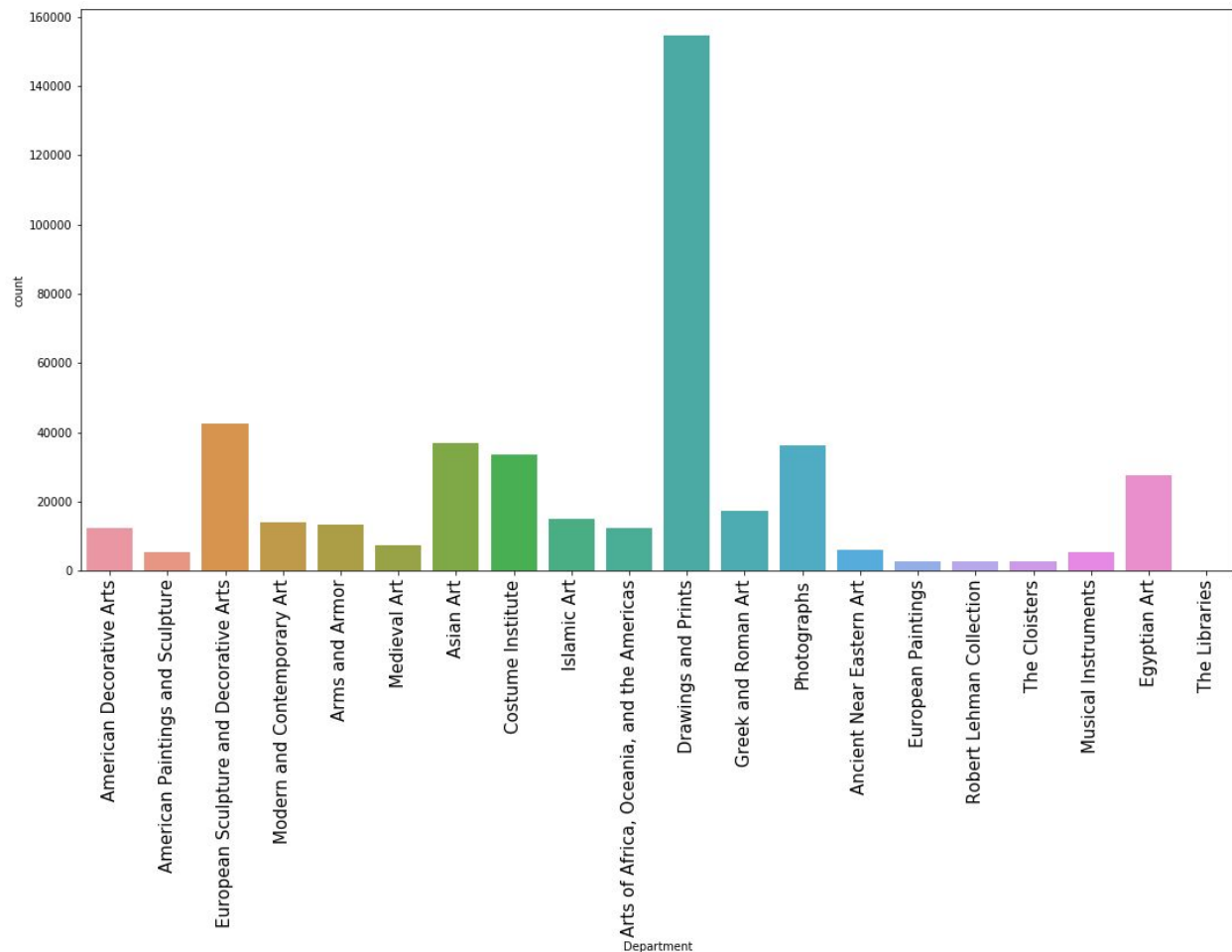
We have features like Object Number, Is Highlight, Is Public Domain, Object ID, Department, Object Name, Title, Culture, Period, Dynasty, Reign, Portfolio, Artist Role, Artist Prefix, Artist Display Name, Artist Display Bio, Artist Suffix, Artist Alpha Sort, Artist Nationality, Artist Begin Date, Artist End Date, Object Date, Object Begin Date, Object End Date, Medium, Dimensions, Credit Line, Geography Type, City, State, County, Country, Region, Subregion, Locale, Locus, Excavation, River, Classification, Rights and Reproduction, Link Resource, Metadata Date, Repository.

Let's explore each and every column that can contribute to our analysis.



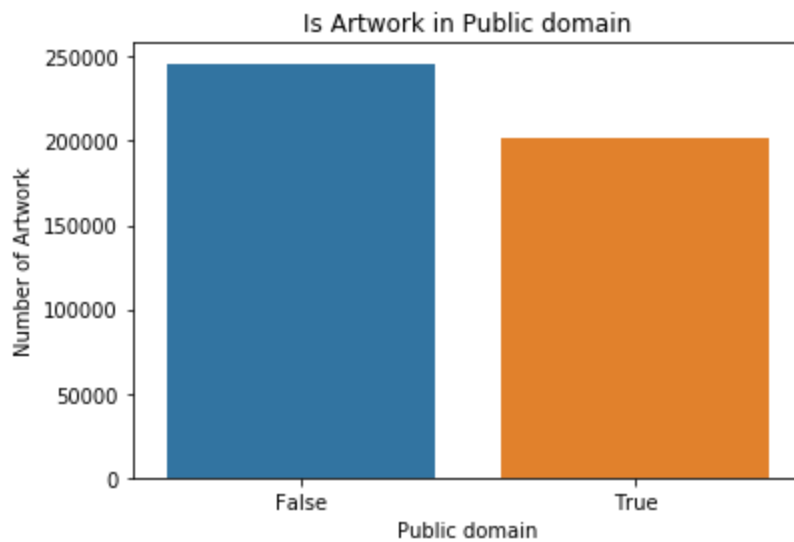
## Department:-

You can see from the graph below that the Department with the highest Artworks is 'Drawings and Prints'.



## Public domain:-

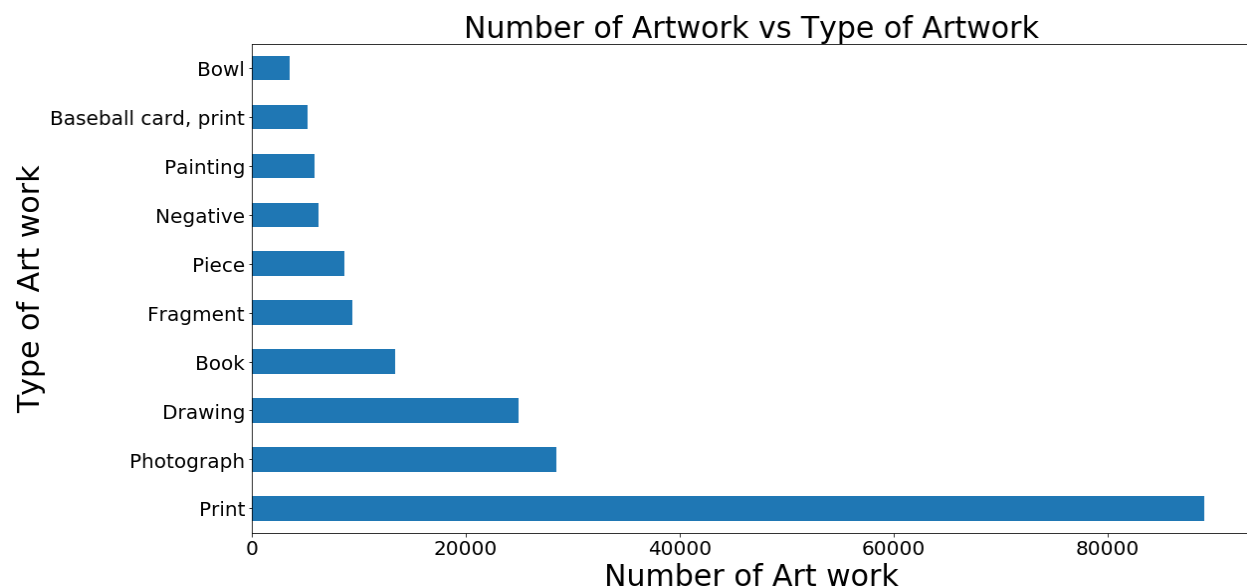
Let's see how many of the art works are in the public domain and how many Artworks are not in public access.



You can see from the graph that almost 20000 images are in the public domain and almost 25000 images are not in the public domain to access.

### Object/type of Artwork:-

We have several types of Artworks like



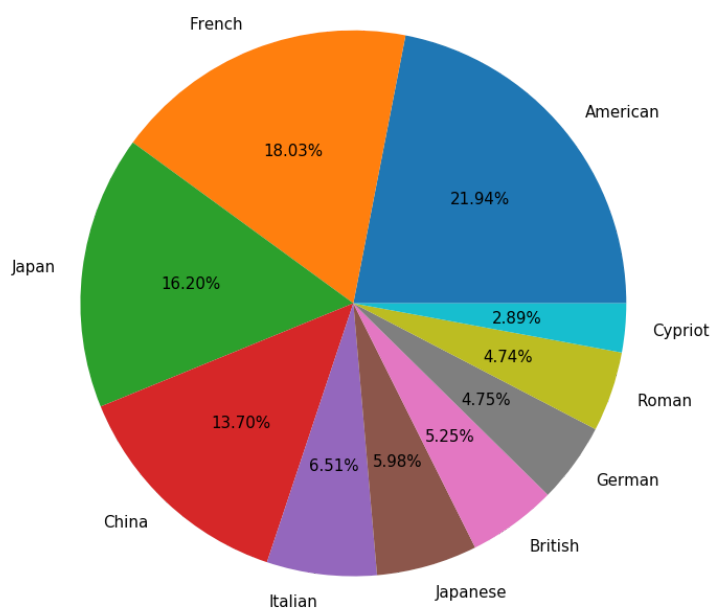


Out of all the object types from the graph, you can see that we have more of the Artwork is in Print type.

### **Culture:-**

We have Artwork from several cultures all over the world.

Percentage of Artwork of Every Culture

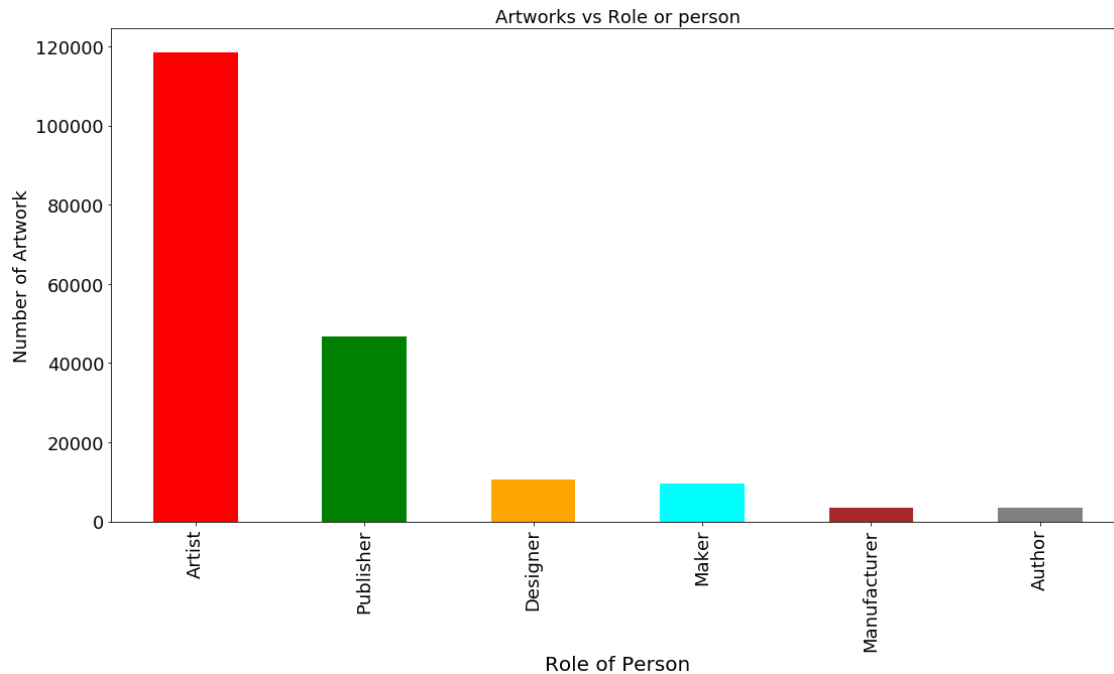


Out of all these cultures, you can observe from the graph that we have more of the Artworks are of American culture.



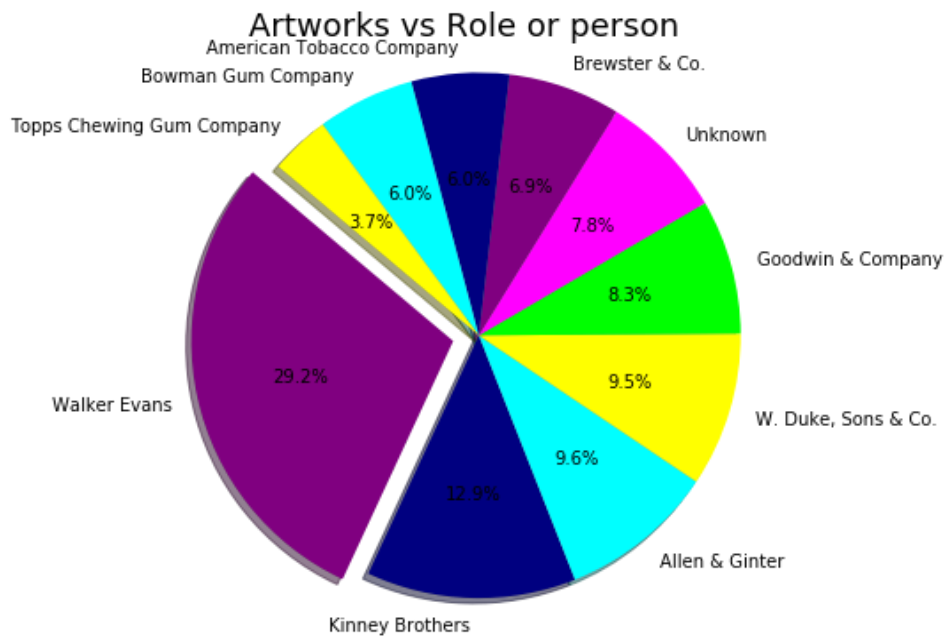
### Artist role:-

We have artwork from different types of people. We have more artwork from Artists.



### Artist name:-

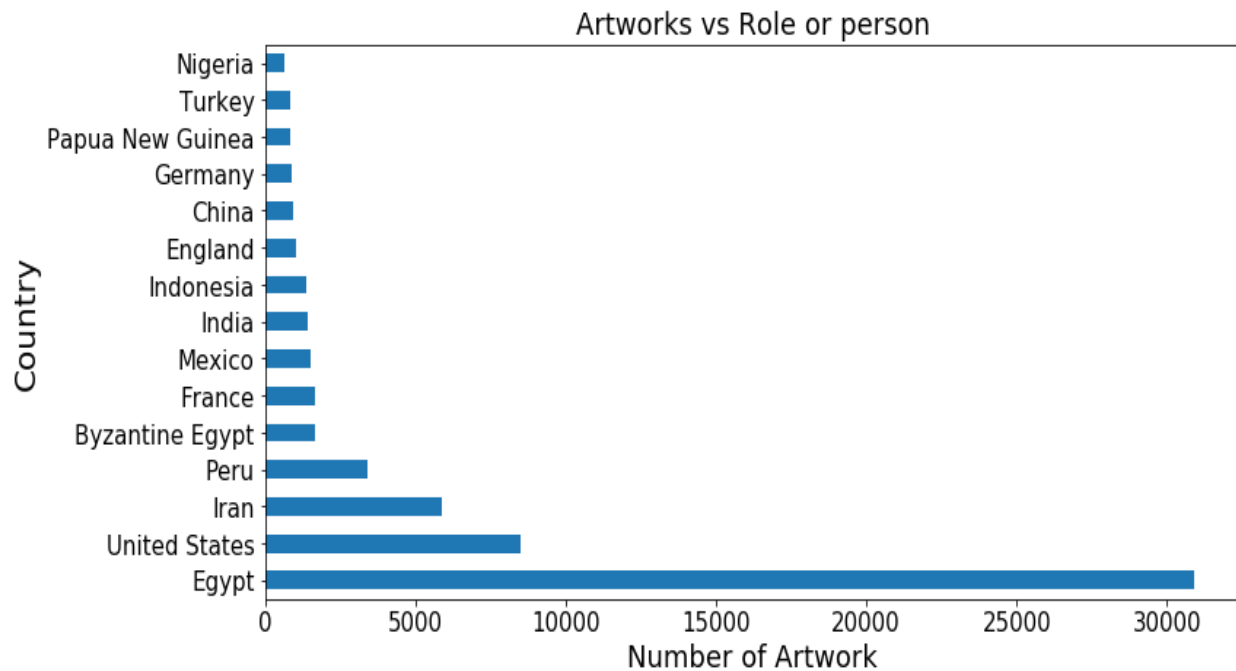
We have Most of the Artworks from the Artist named Walker Evans.





### Country:-

We have artworks from different countries all over the world to the presentation. Let's see which country had the highest number of artworks are from.



We have most of the Artwork from Egypt with the united states in the next place.

### Final observations:-

- We have most of the Artwork is from **Drawings and Prints**.
- we have 202199 artworks in the Public domain.
- Most of the artwork is in **Print** type.
- we have the highest artwork from **American** and **French** cultures.
- Most of the artwork is purely from **Artists**, which means directly from Artists.
- we have more of the Art from the **Artist Walker Evans**, with **Kinney brothers in second place**.
- we have most of the art from the country of **Egypt**.