Museum of Modern Art Catalogue

An Exploratory Analysis: Asher Tures

Intro to the data set

- I chose this dataset both due to my interest in art history and my specific recent focuses
- Wanted to know about cataloguing process
- Wanted to know about demographics
 - Nationality
 - Gender
 - Classification Types



https://alphacityguides.com/new-york/attractions/museum-of-mode rn-art

Data cleaning

- To clean the data, I had a lot of NaN values to drop and clean, and when I began my analysis of medium and titling, I converted to lowercase
 - Lack of information in museum cataloging processes
- Also merged a catalog of artists and artworks on the column of artist names for accurate informations on demographics
- Had to tweak code based on dataset length (138,000+ values)

🝐 MoMADataset.ipynb 🛛 ☆

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#and see which continents (likely white western) have the highest representatio

['American' 'Spanish' 'Danish' 'French' 'Estonian' 'Mexican' 'Swedish' 'Israeli' 'British' 'Italian' 'Finnish' 'Polish' 'Japanese' 'Guatemalan' 'Colombian' 'Romanian' 'Russian' 'German' 'Argentine' 'Kuwaiti' 'Various' 'Belgian' 'Dutch' 'Norwegian' 'Nationality unknown' 'Chilean' 'Swiss' 'Costa Rican' 'Czech' 'Brazilian' 'Austrian' 'Canadian' 'Australian' 'Ukrainian' 'Hungarian' 'Haitian' 'Congolese' 'Bolivian' 'Cuban' 'Yugoslav' 'Portuguese' 'Indian' 'Icelandic' 'Irish' 'Guyanese' 'Uruguayan' 'Slovak' 'Croatian' 'Greek' 'Peruvian' 'Chinese' 'Venezuelan' 'Turkish' 'Panamanian' 'Algerian' 'Ecuadorian' 'South African' 'Iranian' 'Korean' 'Canadian Inuit' 'Paraguayan' 'Luxembourgish' 'Nicaraguan' 'Zimbabwean' 'Moroccan' 'Tanzanian' 'Bulgarian' 'Tunisian' 'Sudanese' 'Taiwanese' 'Ethiopian' 'Slovenian' 'Puerto Rican' 'Nationality Unknown' 'Latvian' 'Senegalese' 'Thai' 'Scottish' 'Lithuanian' 'Pakistani' 'Bahamian' 'Bosnian' 'Malian' 'Egyptian' 'Kenyan' 'Nigerian' 'Georgian' 'Albanian' 'Azerbaijani' 'Ivorian' 'Malaysian' 'Singaporean' 'Serbian' 'Tajik' 'New Zealander' 'Namibian' 'Cambodian' 'Ghanaian' 'Afghan' 'Native American' 'Lebanese' 'nationality unknown' 'Ugandan' 'Cameroonian' 'Vietnamese' 'Welsh' 'Czechoslovakian' 'Mauritanian' 'Palestinian' 'Svrian' 'Saudi Arabian' 'Kazakhstani' 'Rwandan' 'Iradi' 'Indonesian' 'Burkinabe' 'Macedonian' 'Kyrgyzstani' 'Filipino' 'Mozambican' 'Angolan'] 134464

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Exploratory analysis

- Questions regarding:
 - Gender
 - Classification (broad category of artwork)
 - Medium as another category
 - Nationality
 - Specific nations/conventions of identifications of artwork
 - Title Text
 - Medium Text
 - Year of making/year of acquisition



Research question(s)

- Which ten nationalities have the highest number of artworks in the Museum of Modern Art Dataset?
 - Understanding the prevalence of and focus on, historically, western art.
 - New finding: specific
 African nations mentioned rather than the continent
- Which ten classes of art are most prevalent
 - Print/photograph being highest: reproducibility allowing for multitude of art, series, etc.
 - Mies van der rohe archive?



Word cloud

- Word cloud analysis of the dataset of titles
 - Interest question: what words recur in studies of art naming principles?
- Word cloud analysis of the dataset and the entered texts for mediums
 - What materials are commonly used?
 - Are these materials best for art, most used in modern art, or best as commodities/most accessible or affordable?





Techniques not used in Class

- Year conversion and mathematics: Working more with the datetime values, and working to convert float and NaN values in this column to calculate the approximates of minimum and maximum years between making and acquisition
 - Negative values: approximate years, then subtracting specific acquisition years
 - Boxplot to display





Thank you for your time!

Dataset:

https://www.kaggle.com/datasets/momanyc/museum-collection