Artworks Table

DM-GY 9103 Conservation Of AI-Based Artworks

1. How many artworks are on file? Next, list how many artworks are under the care of each department along with the name of the department and in alphabetical order by department name. [1 point]

There’s a total of 157752 entries in the artworks table. The list of department names are given below:

A screenshot of a computer

AI-generated content may be incorrect.

SELECT Department, COUNT(Department)

FROM Artworks

GROUP BY Department

ORDER BY Department;

|  |  |
| --- | --- |
| Architecture & Design | 33643 |
| Architecture & Design - Image Archive | 30 |
| Department | 1 |
| Drawings & Prints | 80450 |
| Film | 1024 |
| Fluxus Collection | 1683 |
| Media and Performance | 3207 |
| Painting & Sculpture | 4069 |
| Photography | 33645 |

1. How many distinct classifications does MoMA use for the artworks in its collection? Next list the classifications in alphabetical order along with how many works in each. Are there any artworks that have not been classified and how would you check for them? [2 points]

There are a total of 40 classifications acquired through the following query:

SELECT Classification, COUNT(Classification)

FROM Artworks

GROUP BY Classification

ORDER BY Classification;

Listed below are the 40 classifications in alphabetical order:

|  |  |
| --- | --- |
| (not assigned) | 689 |
| Architectural Model | 1 |
| Architecture | 4255 |
| Audio | 794 |
| Classification | 1 |
| Collage | 32 |
| Correspondence | 9 |
| Design | 12238 |
| Digital | 3 |
| Document | 2 |
| Drawing | 14231 |
| Ephemera | 613 |
| Fashion | 1 |
| Film | 151 |
| Film (object) | 2 |
| Frank Lloyd Wright Archive | 870 |
| Furniture and Interiors | 2 |
| Graphic Design | 5 |
| Illustrated Book | 27869 |
| Installation | 908 |
| Media | 41 |
| Mies van der Rohe Archive | 16306 |
| Moving Image | 2 |
| Multiple | 1182 |
| News Clipping | 1 |
| Notebook | 1966 |
| Painting | 2438 |
| Performance | 32 |
| Periodical | 950 |
| Photograph | 34810 |
| Photography Research/Reference | 6 |
| Poster | 91 |
| Print | 32592 |
| Publication | 3 |
| Sculpture | 1792 |
| Software | 3 |
| Textile | 34 |
| Video | 2424 |
| Wallpaper | 22 |
| Work on Paper | 381 |

To find if there are any left out we can use this query to be sure:

SELECT Classification FROM Artworks WHERE Classification=NULL;

The NULL values would also show up when listing it using the query we previously used, but it looks like for any artwork without a classification they have used the (not assigned) classification.

1. List the accession number, title, artist, date [created], date acquired, medium, and department for the first 25 works which were acquired under the Department of Photography. [1 point]

Using the following query:

SELECT AccessionNumber, Title, Artist, Date, DateAcquired, Medium, Department

FROM Artworks

WHERE Department = "Photography"

ORDER BY DateAcquired

LIMIT 25;

We get the results:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| AccessionNumber | Title | Artist | Date | DateAcquired | Medium | Department |
| 36.1932 | New York City, Old and New | Clara E. Sipprell | c. 1920 | 1932-12-16 | Gelatin silver print | Photography |
| 4.1933 | Houses, Salem, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 5.1933 | Houses, Nahant, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 6.1933 | Houses, Dorchester, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 7.1933 | House, Cambridge, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 8.1933 | Houses, Columbia Heights, Brooklyn, New York | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 9.1933 | House, South End, Boston, Massachusetts | Walker Evans | 1933 | 1933-04-13 | Gelatin silver print | Photography |
| 10.1933 | House, Greek Influence, Northampton, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 11.1933 | Valentine House (1851), Cambridge, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 12.1933 | House, South End, Boston, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 13.1933 | House, Cambridge, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 14.1933 | House, Cambridge, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 15.1933 | House, Waltham, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 16.1933 | House, Northampton, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 17.1933 | House | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 18.1933 | House, Northampton, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 19.1933 | House, Greenfield, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 20.1933 | House, Dorchester, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 21.1933 | House, Brookline, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 22.1933 | House, Somerville, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 23.1933 | Mansard House | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 24.1933 | Mansard House, Cambridge, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 25.1933 | Mansard House | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 26.1933 | Mansard House, South End, Boston, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |
| 27.1933 | Mansard House, Cambridge, Massachusetts | Walker Evans | 1932 | 1933-04-13 | Gelatin silver print | Photography |

1. List the accession number, title, artist, date, department and medium for the 20 most recently made artworks by Brazilian artists in the collection. [1 point] Does this query return a reasonable result? If not, what would you need to do differently? (You may describe your actions rather than write SQL queries to repair the table if needed.)

Before I get into the complications involving nationality let us look at the dates.

It seems to be quite difficult to get accurate results as there are different formats for the date column like the following:

|  |
| --- |
| (2004) |
| (c. 1957) |
| (newspaper published December 2, 2002) |
| 1921 |
| 1921 (executed 1920) |

Considering this, DateAcquired(Which seems to have a proper structure) seems easier to work with, but the problem with that is that it’s not similar to the date the artwork was made. One trick we could use is that the recent artworks are mostly made in the 2000’s and we could use that to our advantage and write a query like this:

SELECT AccessionNumber, Title, Artist, Nationality, Date, Medium, Department

FROM Artworks

WHERE Nationality LIKE "%Brazilian%"

AND Date LIKE "%20%"

AND Date NOT LIKE "%c.%"

ORDER BY Date Desc

LIMIT 25;

I did the AND Date NOT LIKE "%c.%” because the dates with “c.” in them were not recent and had to be removed.

Which gives us the following results, which seems reasonable

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 362.2024 | Um poema desenhado (A Drawn Poem) | Sonia Gomes | (Brazilian) | 2024 | Artist's book with 34 offset printed and screen printed pages (17 leaves) on paper and translucent vellum, some with additions in thread, fabric, lace, yarn, and cut-and-stapled printed papers; coptic binding with hardcover boards covered in printed Brazilian cloth; plus 2 inserts in the back pocket: a print with thread additions and an offset printed booklet of texts | Drawings & Prints |
| 119.2023 | Olho da Rua (Out Loud) | Jonathas de Andrade | (Brazilian) | 2022 | High-definition video (color, sound) | Media and Performance |
| 143.2024 | Fala da Terra (Voice of the Land) | Bárbara Wagner, Benjamin de Burca | (Brazilian) (German) | 2022 | High-definition video (color, sound) | Media and Performance |
| 124.2024.1-61 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil, colored pencil, oil pastel, and spray paint on torn paper, sixty-one sheets | Drawings & Prints |
| 124.2024.1 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.2 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.3 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.4 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil, colored pencil, oil pastel, and spray paint on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.5 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.6 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil, colored pencil, and oil pastel on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.7 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.8 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil, colored pencil, and oil pastel on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.9 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.10 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil, colored pencil, oil pastel, and spray paint on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.11 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.12 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil, colored pencil, oil pastel, and spray paint on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.13 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.14 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil, colored pencil, oil pastel, and spray paint on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.15 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.16 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil, colored pencil, and oil pastel on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.17 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.18 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil, colored pencil, oil pastel, and spray paint on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.19 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.20 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil, colored pencil, and oil pastel on torn paper; one from a series of sixty-one sheets | Drawings & Prints |
| 124.2024.21 | ave preta mística mystical black bird | Tadáskía | (Brazilian) | 2022 | Pencil on torn paper; one from a series of sixty-one sheets | Drawings & Prints |

Coming back to the nationality, there are many artworks which are done by a group of people; therefore the nationality is a list of nationalities of each of that person. So, we need to confirm if we need the results of artworks that any Brazilian artist has also worked on or are we looking for purely Brazilian works? Either way the recent 25 that I have listed above mostly has only artworks made by Brazilians, except for one, but since the ask was for the recent 20, I think this covers it.

1. Select a specific artist whose work(s) at MoMA are of interest to you. What can you learn about that artist with respect to the MoMA collection overall by writing three SQL queries? For example, what percentage of the artist’s works are associated with a webpage (and therefore publicly available)? [3 points]

I’ve decided to take a look at the works of the artist Yoko Ono using the following queries.

SELECT ARTIST, COUNT(Artist) FROM Artworks GROUP BY Artist;

SELECT \* FROM Artworks WHERE Artist="Yoko Ono";

SELECT \* FROM Artworks WHERE Artist LIKE "%Yoko Ono%";

Just from looking at the data I can see the following information:

Yoko Ono has:

* 93 artworks made without collaboration.
* 127 total artworks.
* There is no End Date.

Querying further lets see what information we are able to extract:

SELECT URL, COUNT(URL) FROM Artworks WHERE Artist LIKE "%Yoko Ono%" GROUP BY URL;

Using this query, we can see that there are 47 NULL values and 80 URLs available making approximately 2/3rds of these artworks publicly available.

SELECT Medium, COUNT(Medium)

FROM Artworks

WHERE Artist LIKE "%Yoko Ono%"

GROUP BY Medium

ORDER BY COUNT(Medium) DESC;

|  |  |
| --- | --- |
| Ink on paper | 23 |
| Gelatin silver print | 13 |
| NULL | 10 |
| 16mm film (black and white, silent) | 6 |
| Offset lithograph | 4 |
| VHS | 3 |
| Offset | 3 |
| Artist's book, offset printed | 3 |
| 7-inch vinyl record | 3 |
| Plastic box containing 20 offset cards | 2 |

Using the above query, we can see that the majority of the works are made with mediums mentioned in the table above with a majority of it being in Ink on paper and Gelatin silver print. Theres also 10 artworks for which we do not know the medium.

1. Write two original queries to learn more about the MoMA collection. In what context would the results be useful? [2 points]

I used the following query:

SELECT Cataloged, COUNT(CATALOGED) FROM Artworks GROUP BY Cataloged;

|  |  |
| --- | --- |
| Cataloged | 1 |
| N | 57349 |
| Y | 100402 |

To find out how many of the artworks have been catalogued. We have 2/3rds of the artworks catalogued. Out of the artworks that are not catalogued these are the major Nationalities that have uncatalogued artworks:

SELECT Nationality, COUNT(Nationality) AS COUNT

FROM Artworks

WHERE Cataloged = "N"

AND DateAcquired!="NULL"

GROUP BY NATIONALITY

ORDER BY COUNT DESC;

|  |  |
| --- | --- |
| (American) | 26662 |
| (French) | 11671 |
| () | 1961 |
| (British) | 1605 |
| (German) | 1477 |
| NULL | 1050 |
| (Italian) | 826 |
| (Spanish) | 746 |
| (Russian) | 719 |
| (Belgian) | 640 |
| (Japanese) | 473 |
| (Swiss) | 457 |
| (Mexican) | 395 |
| (American) (American) | 364 |
| (Czech) | 345 |
| (Chilean) | 292 |
| (Dutch) | 239 |
| (Colombian) | 217 |
| (Brazilian) | 188 |
| (Polish) | 155 |
| (Danish) | 153 |
| (Nationality unknown) | 151 |
| (Argentine) | 144 |
| (Austrian) | 143 |
| (Israeli) | 122 |

We can use the following query to figure out the credit lines used for the artworks:

SELECT CreditLine, COUNT(CreditLine) AS COUNT FROM Artworks GROUP BY CreditLine ORDER BY COUNT DESC;

|  |  |
| --- | --- |
| Mies van der Rohe Archive, gift of the architect | 15472 |
| The Louis E. Stern Collection | 11416 |
| Gift of the artist | 10777 |
| Purchase | 8417 |
| The Gilbert and Lila Silverman Fluxus Collection Gift | 5409 |
| Abbott-Levy Collection. Acquired through the generosity of Shirley C. Burden, and Family of Man Fund | 4910 |
| Gift of Kleiner, Bell & Co. | 2732 |
| The Judith Rothschild Foundation Contemporary Drawings Collection Gift | 2459 |
| Gift of Jack Shear | 1979 |
| Gift of Abby Aldrich Rockefeller | 1890 |
| Fund for the Twenty-First Century | 1716 |
| Gift of The Judith Rothschild Foundation | 1686 |
| NULL | 1545 |
| Anonymous gift | 1462 |
| John B. Turner Fund | 1439 |
| Given anonymously | 1405 |
| Gift of Peter J. Cohen | 1341 |
| Gift of the designer | 1322 |
| Gift of the manufacturer | 1229 |
| Monroe Wheeler Fund | 1114 |
| Committee on Architecture and Design Funds | 1004 |
| Inter-American Fund | 999 |
| Gift of Mr. and Mrs. Ralph F. Colin | 952 |
| Abby Aldrich Rockefeller Fund | 937 |
| The Family of Man Fund | 916 |
| The Frank Lloyd Wright Foundation Archives (The Museum of Modern Art | Avery Architectural & Fine Arts Library, Columbia University, New York) | 842 |
| Jan Tschichold Collection, Gift of Philip Johnson | 840 |
| Gift of the architect | 834 |
| Lilly Reich Collection, Mies van der Rohe Archive | 821 |
| Committee on Prints and Illustrated Books Fund | 693 |

The **Mies van der Rohe Archive** and **The Louis E. Stern Collection** are the most significant sources of artworks in the collection, with over **15,000** and **11,000** pieces, respectively.

**Gifts** from artists, collectors, and foundations are a major source of acquisitions, highlighting the importance of donations in building the collection. The presence of multiple funds and archives also suggests a **diverse range of acquisition methods** and strong support from the art community.

Artists Table

Write a query of your choice and describe what the query tells you about this dataset.

I used the following query:

SELECT DisplayName, WikiQID, ULAN

FROM Artists

WHERE WikiQID!="NULL" AND ULAN!="NULL";

To identify artists who have both a **WikiQID** and **ULAN** entry, indicating they are well-documented.

We can use this query:

SELECT DisplayName, BeginDate, EndDate

FROM Artists

WHERE BeginDate!=0 AND BeginDate < 1900 AND (EndDate = 0 OR EndDate="NULL");

### To finding artists with missing death dates who were born a long time ago.

Write queries and record the answers to the following questions about MoMA’s list of artists.

(a) How many artists are in the MoMA table? How many do you believe are living artists?

(b) How many women artists from Poland are featured in the collection?

(c) List the names of the five countries with the most artists on file in alphabetical order by country along with how many artists are represented for each country.

(d) What is the gender breakdown of American artists represented in this collection?

(e) What is the average age of all living Mexican artists in this

data set?

(f) You are planning an exhibition on early modern American and Canadian art. List the names, birth year and death year of all of the American and Canadian artists who were born in the 19th century (before 1900) in order by birth year.

Class 08

Data

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Setting Up DB

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Browser for SQLite

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Artists Table

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(g) You are planning a

collection

exhib

it

on emerging contemporary Iranian art. List the names

all of the living artists from Iran who are 40 years old or younger today in order by

ConstituentID.

(h) Some artists use a pseudonym (also called a “pen name”). List all of

the Japanese and Korean

artists who use a pen name. Display the artists’

ConstituentID,

name and country of origin in this

format:

Abe Shiro (pen Name: Suichiku)

–

(Japanese)

...

(i) How many artist

record

s reflect a missing birth year?

(j) Write a query of your choice and describe what the query tells you about this datase