

Museum's Artwork Collection Project- April 2025






Museum Collection Insights: Exploring Artworks and Artist Data with SQL"

To design and execute SQL queries that analyze data from a museum's artwork collection and artist profiles, enabling insights into art trends, artist demographics, artwork classifications, and collection acquisition patterns.

DOMAIN-Digital Humanities

(An academic field that applies computational tools and methods to disciplines like history, literature, art, and culture.)



This research dataset contains 157,630 records, representing all of the works that have been accessioned into “Museum of Modern Art’s” collection and cataloged in their database. It includes basic metadata for each work, including title, artist, date made, medium, dimensions, and date acquired by the Museum. Some of these records have incomplete information and are noted as “not Curator Approved.”

Data Description

Table	Field	Description
Artworks	Title	The name or title of the artwork.
Artworks	Artist	The name of the artist(s) who created the artwork.
Artworks	ConstituentID	Unique identifier(s) for the artist(s) related to the artwork (separated by commas).
Artworks	ArtistBio	A short biography or background information about the artist.
Artworks	Nationality	The country or region of origin of the artist.
Artworks	BeginDate	The year the artist was born.
Artworks	EndDate	The year the artist passed away.
Artworks	Gender	The gender of the artist.
Artworks	Date	The date or year the artwork was created.
Artworks	Medium	The material(s) used to create the artwork, such as oil paint, marble, video, or other mediums.
Artworks	Dimensions	The size or physical dimensions of the artwork (e.g., height x width x depth in cm).
Artworks	CreditLine	Information regarding the credit or donation source of the artwork, such as the donor or collection from which it was acquired.
Artworks	AccessionNumber	The unique number assigned to the artwork in the museum's collection system, used for tracking and reference purposes.
Artworks	Classification	The classification of the artwork, such as painting, sculpture, drawing, photography, etc.
Artworks	Department	The department of the museum where the artwork is stored or categorized, such as the Department of Painting or Sculpture.
Artworks	DateAcquired	The date the artwork was acquired by the museum.
Artworks	Cataloged	Whether the artwork is cataloged in the museum's collection system (Y or N).
Artworks	ObjectID	A unique identifier for the artwork in the MoMA database system.
Artworks	URL	A web link to more detailed information about the artwork on the MoMA website.
Artworks	ImageURL	The URL of the image of the artwork, hosted by the museum.
Artworks	OnView	Location of the artwork if it is currently on display at the museum (otherwise blank).
Artworks	Circumference (cm)	The measurement of the artwork's circumference, applicable for spherical or rounded works, in centimeters.
Artworks	Depth (cm)	The depth of the artwork, measured in centimeters, typically relevant for sculptures or three-dimensional works.
Artworks	Diameter (cm)	The diameter of the artwork, typically relevant for circular objects, measured in centimeters.
Artworks	Height (cm)	The height of the artwork, typically relevant for vertical works, measured in centimeters.
Artworks	Length (cm)	The length of the artwork, typically relevant for horizontal works, measured in centimeters.
Artworks	Weight (kg)	The weight of the artwork, measured in kilograms.

Table	Field	Description
Artworks	Width (cm)	The width of the artwork, typically relevant for horizontal or flat works, measured in centimeters.
Artworks	Seat Height (cm)	The height of the seat or the seating part of the artwork, if applicable, measured in centimeters.
Artworks	Duration (sec.)	The duration in seconds of any video or time-based artwork, representing the total length of the artwork's time span.
Artists	ConstituentID	A unique identifier for the artist in the museum's database system.
Artists	DisplayName	The public display name of the artist, which may be their full name, pseudonym, or stage name.
Artists	ArtistBio	A short biography or background information about the artist.
Artists	Nationality	The country or region the artist is originally from.
Artists	Gender	The gender of the artist.
Artists	BeginDate	The birth year of the artist.
Artists	EndDate	The death year of the artist.
Artists	Wiki QID	A unique identifier linking to the artist's page on Wikidata, a collaborative database of structured data.
Artists	ULAN	The Union List of Artist Names (ULAN) identifier, used to track artists in the Getty Research Institute's standardized system.
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What's in ANALYSIS?

Part A- Recommended Analysis (in SQL)

- How modern are the artworks at the Museum?
- Which artists are featured the most?
- Are there any trends in the dates of acquisition?
- What types of artwork are most common?
- Add one recommend analysis from your end as well with the reason why it is important?

Part B-Visualize your finding with a report (You can choose any of the tools for visual analysis report(Power BI or Tableau)

Write a summary of your analysis, KPIs and Insights of your data in a word file.