



THE MET HIGHLIGHTS

**PREDICTING
METROPOLITAN MUSEUM'S
HIGHLIGHTING STRATEGY**

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Highlights of the Collection



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01

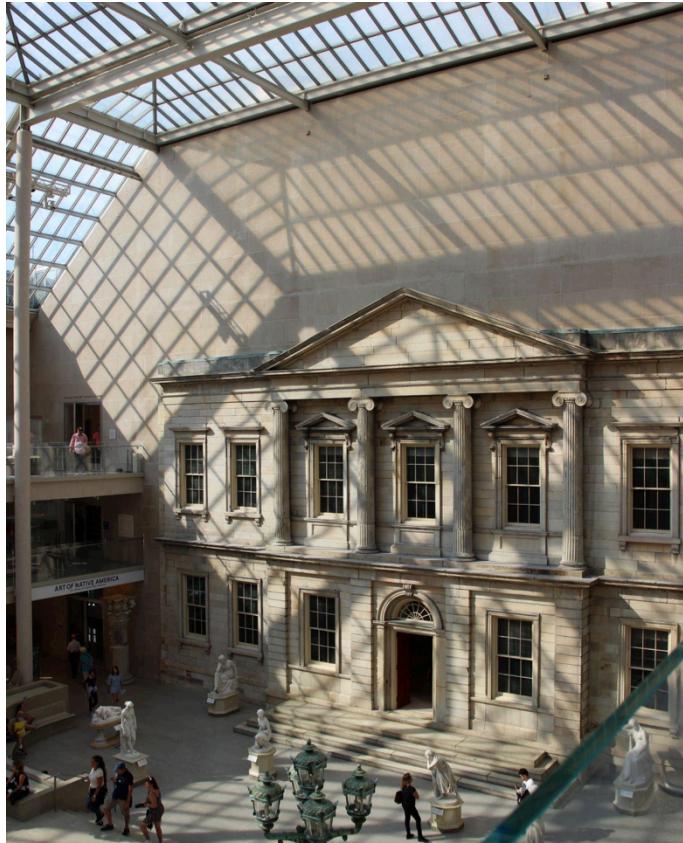
Background

Patronage

GOAL:
Visibility

TRYING TO MEASURE:
Chances of
An object being highlighted
Given that it is donated to the museum





02

Solution

Dataset:

- Met Museum Open Access CSV
- (448, 203 objects)

Departments:

- 20
- 4 different collecting practices

4 Groups:

1.

Egyptian Art

3.

Ancient

(5 departments)

2.

Categorical

(7 departments)

4.

Modern

(7 departments)

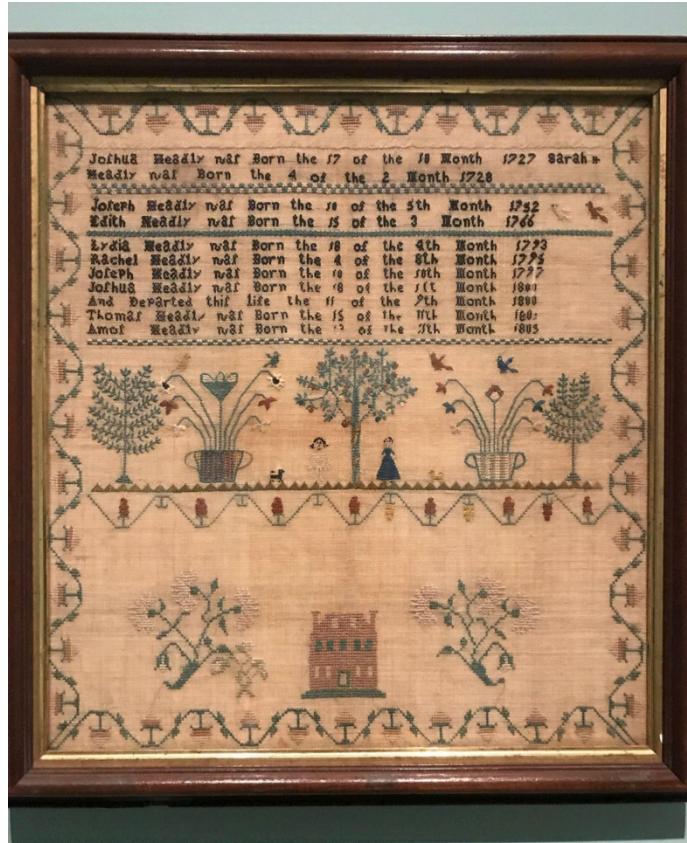
Modern

- 215, 649 objects
- Features include:

Department
Object Name
Artist Role
Artist Nationality
Object Date
Medium
Classification

Patronage Barometer

	Predicted: No highlight	Predicted: Highlight
Actually Not highlighted	You know, Stuff happens	OH NO! 
Actually Highlighted	Love our patrons 	YAY! 



03

Predictive Model

Class Imbalance

214,89

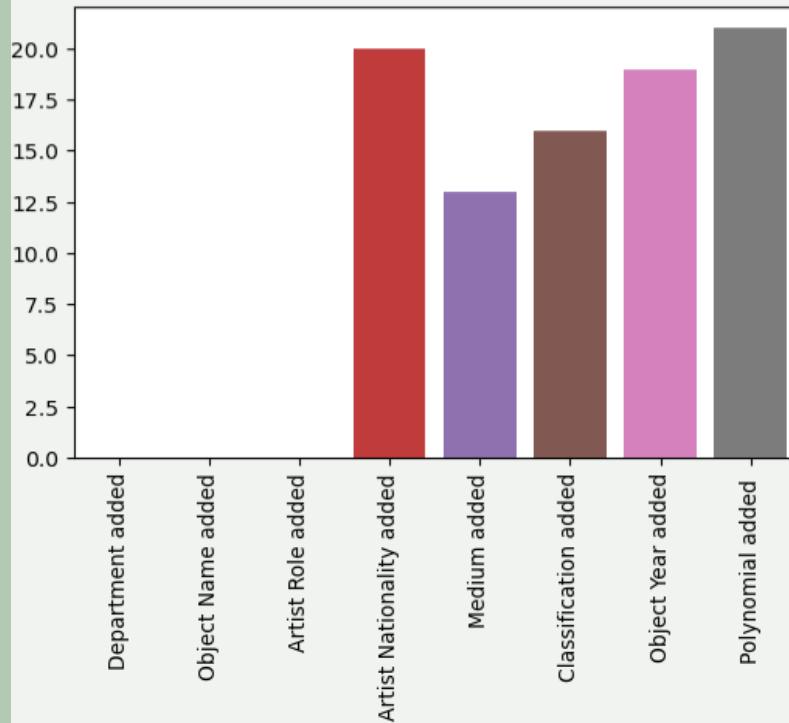
750

HIGHLIGHTED

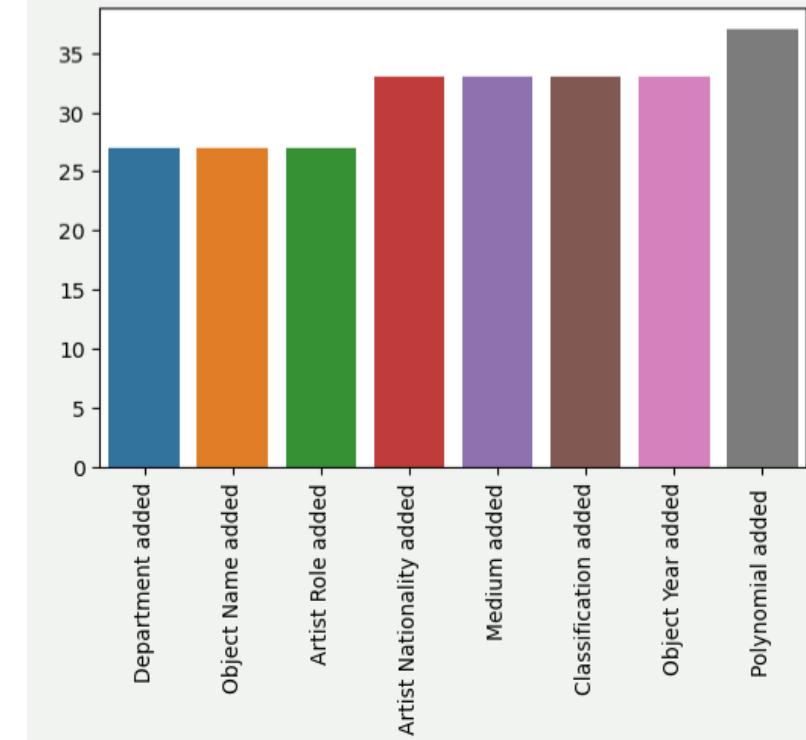
9

NOT HIGHLIGHTED

FP numbers by feature addition



TP numbers by feature addition



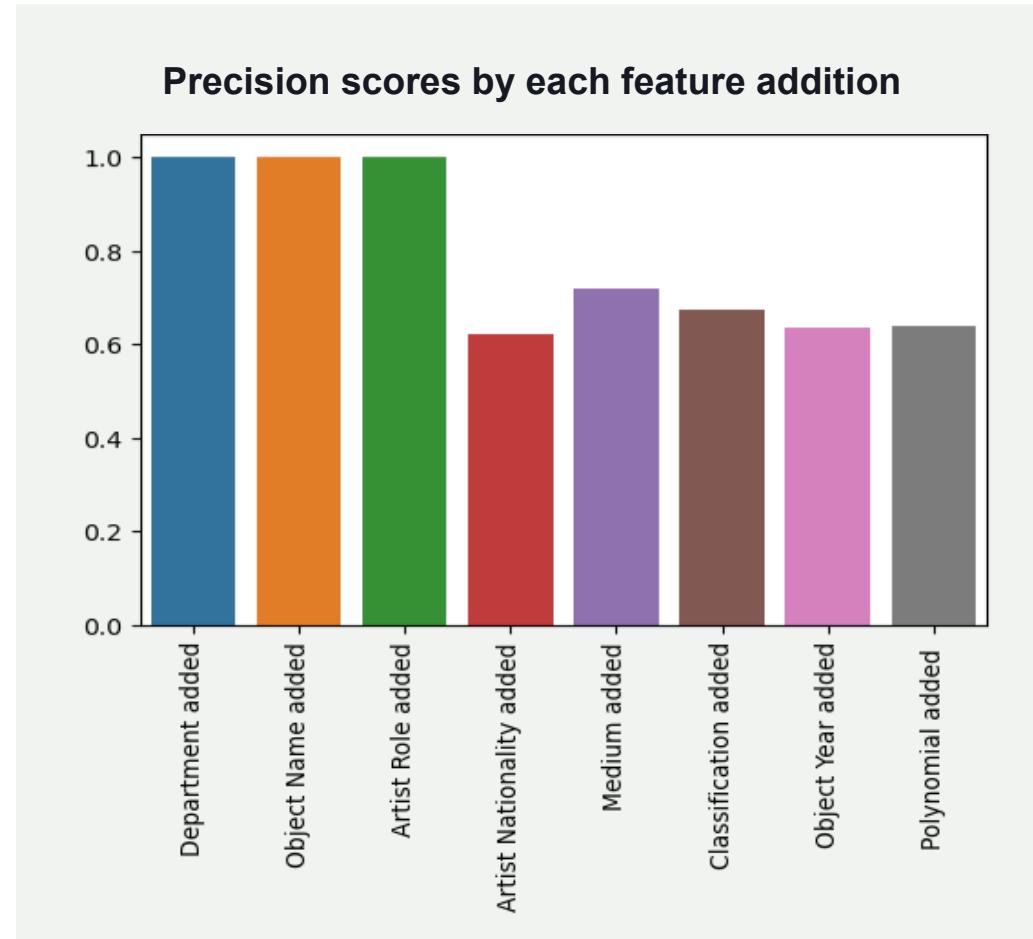
Scores

Precision Score

Train: **0.64**
Test: **0.71**

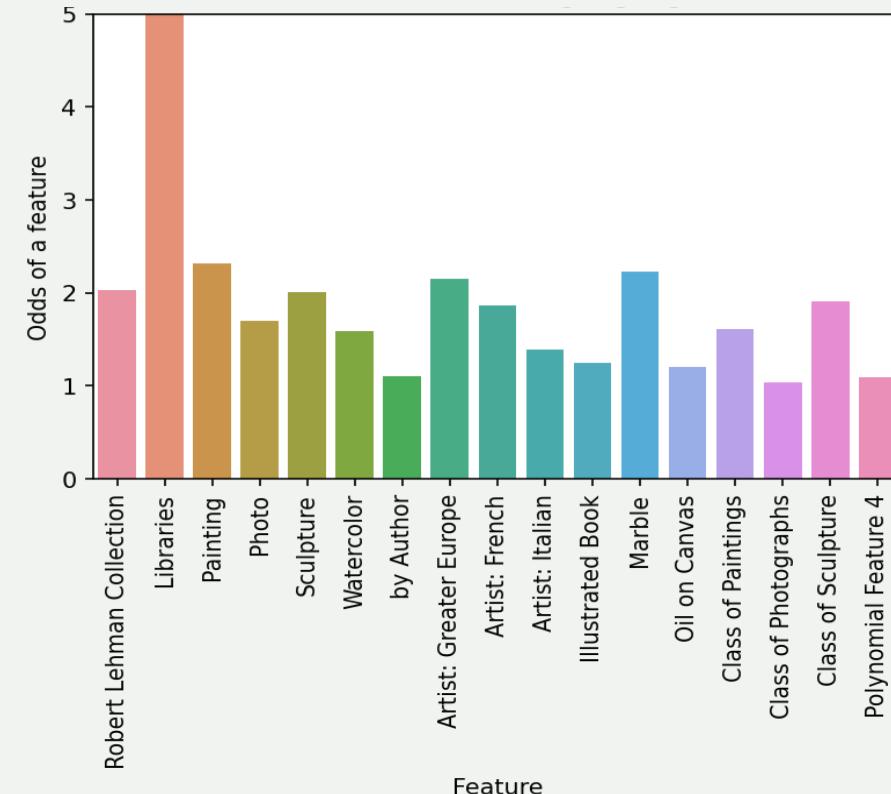
F1 Score

Train: **0.37**
Test: **0.38**



Odds of Features

Odds of features being highlighted





04

Key

takeaways

Give your whole collection

Robert Lehman Collection

Europe, after all (& French)

British/German/Dutch/
Netherlandish/Spanish

Marble stands test of time

Medium-wise,
marble most likely to be
highlighted

Usual suspects: Painting

Painting is never dead

Odd ones

Sculpture (expected),
Watercolor (not so much)

Libraries

Big on archives



05

Future work



Groups

Build models for:
Group 1, 2, 3



Models

Try less interpretable,
more complex models



Mission

Work w/ curators
to align selections w/
director's mission

Questions?

Photo Credits:

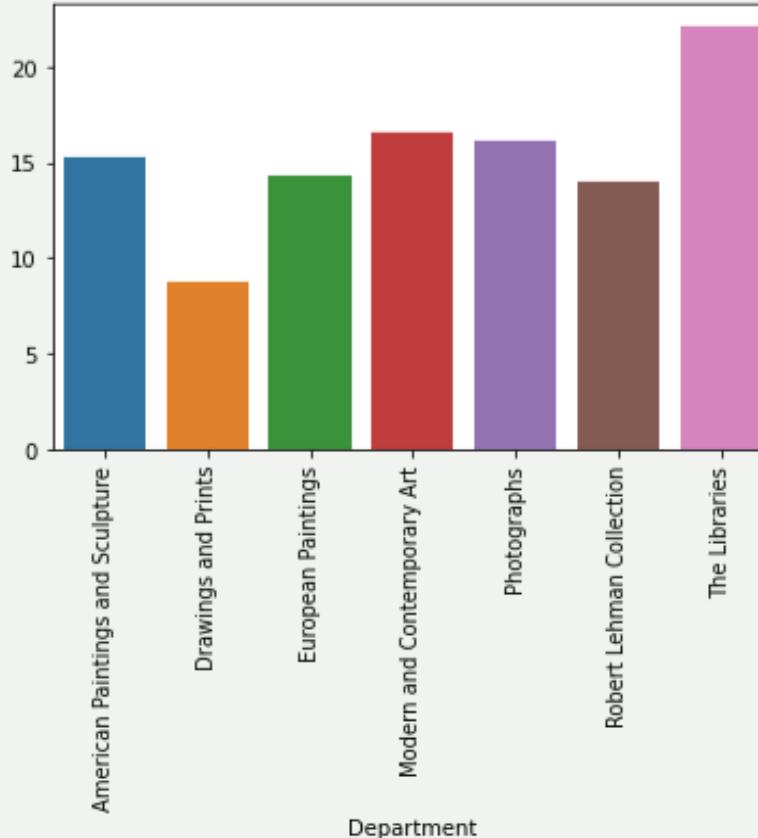
(Museum Highlights) - Photo by [@heyminhy](#) on [Unsplash](#)

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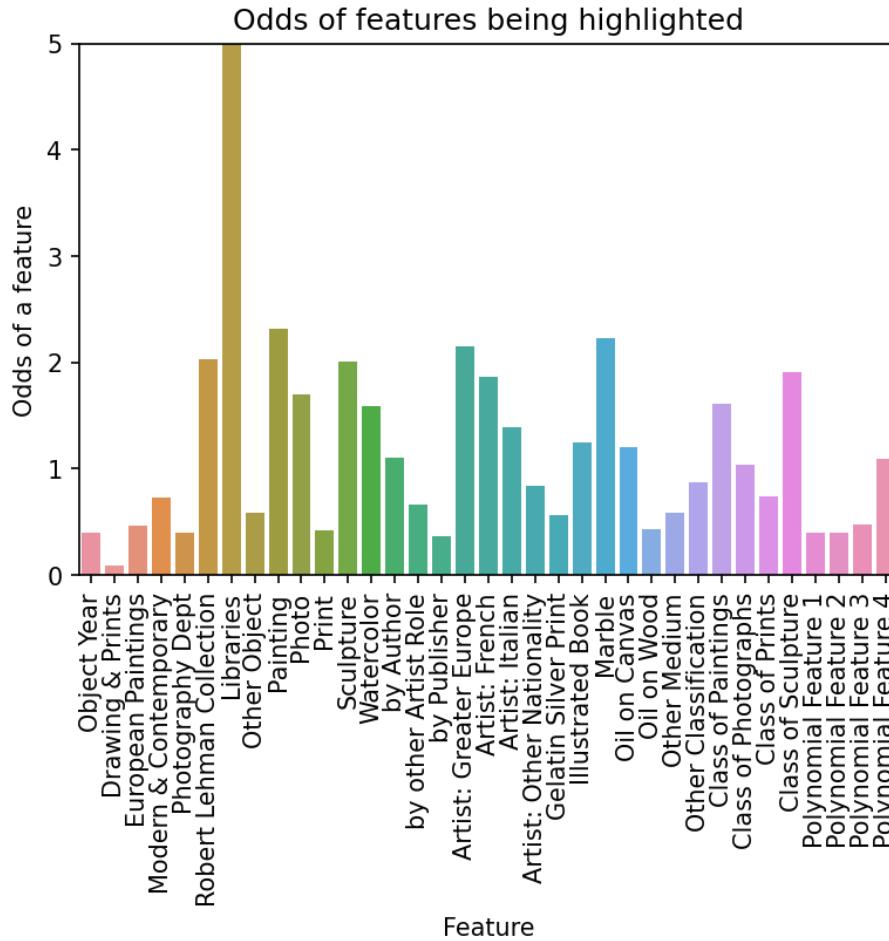
& Appendix

Probability of Being Highlighted

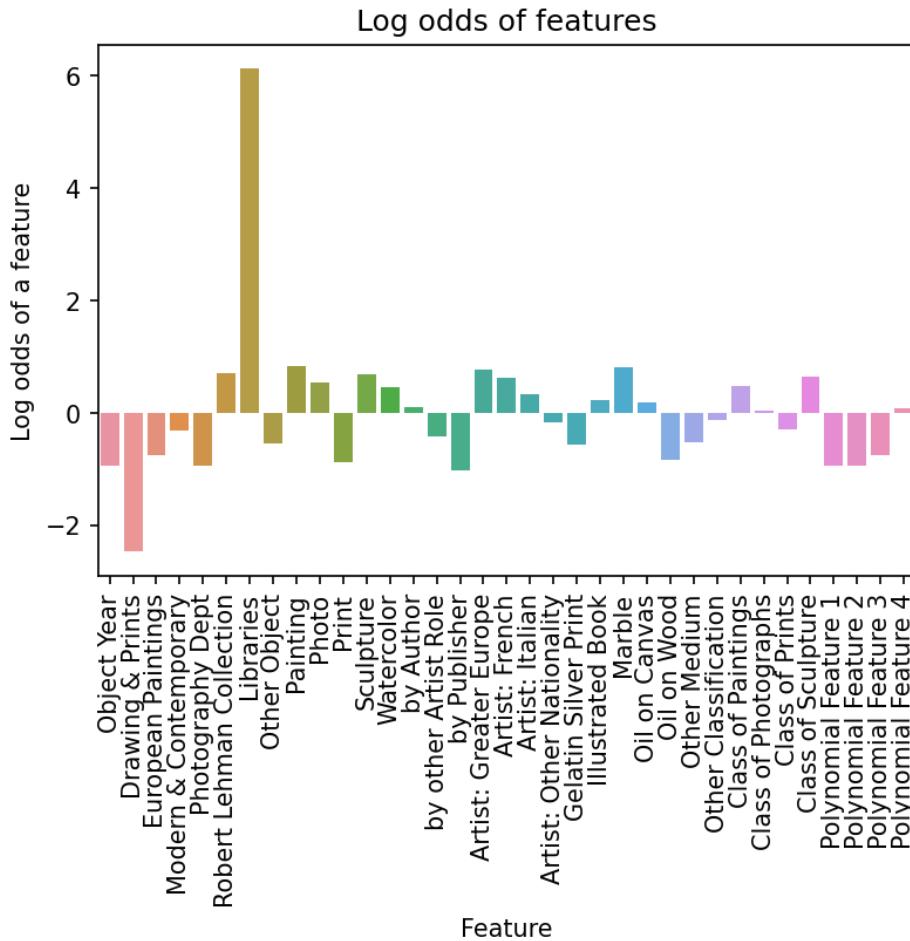
Department Ratios in Highlighted



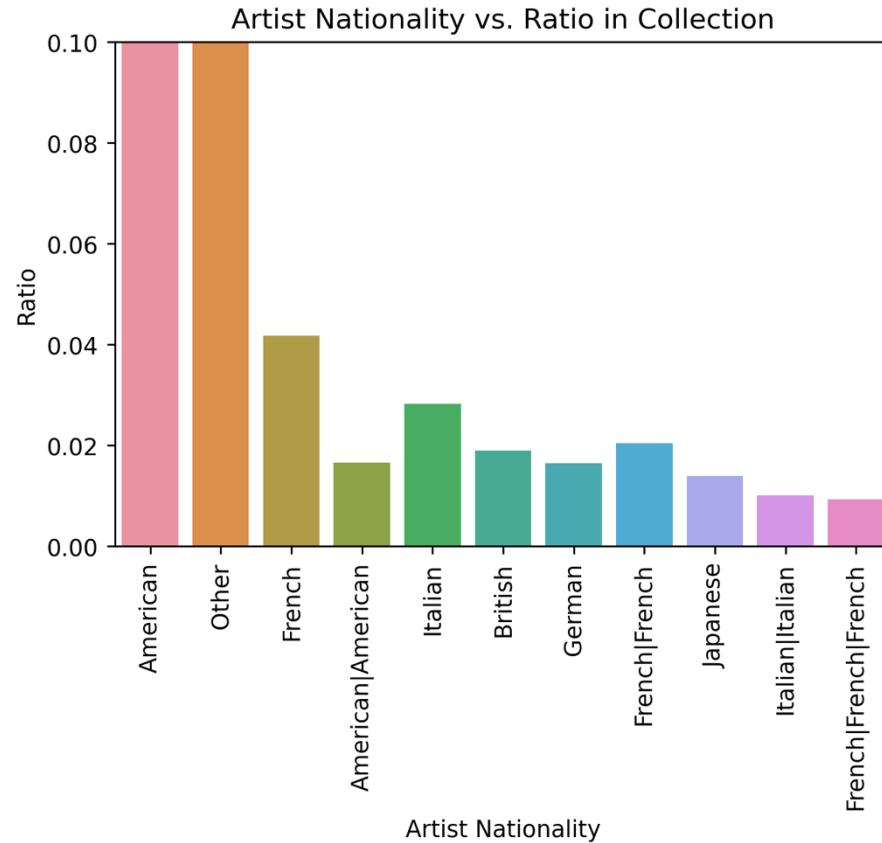
Odds - All



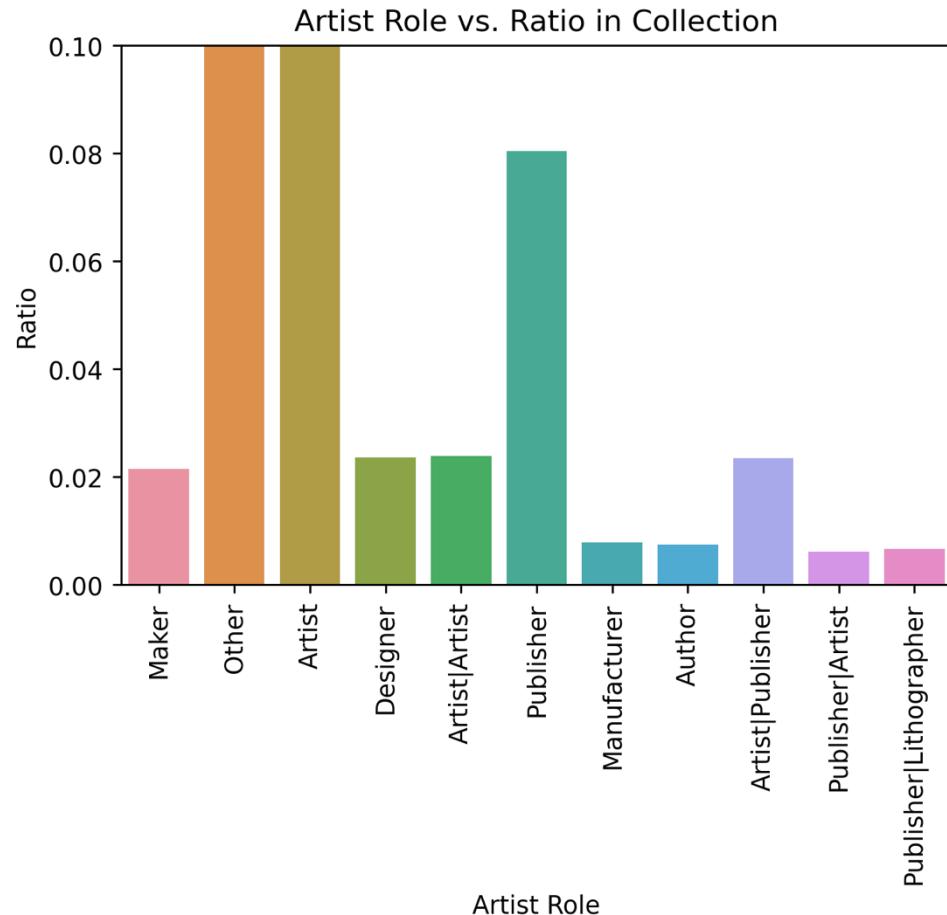
Log Odds - All



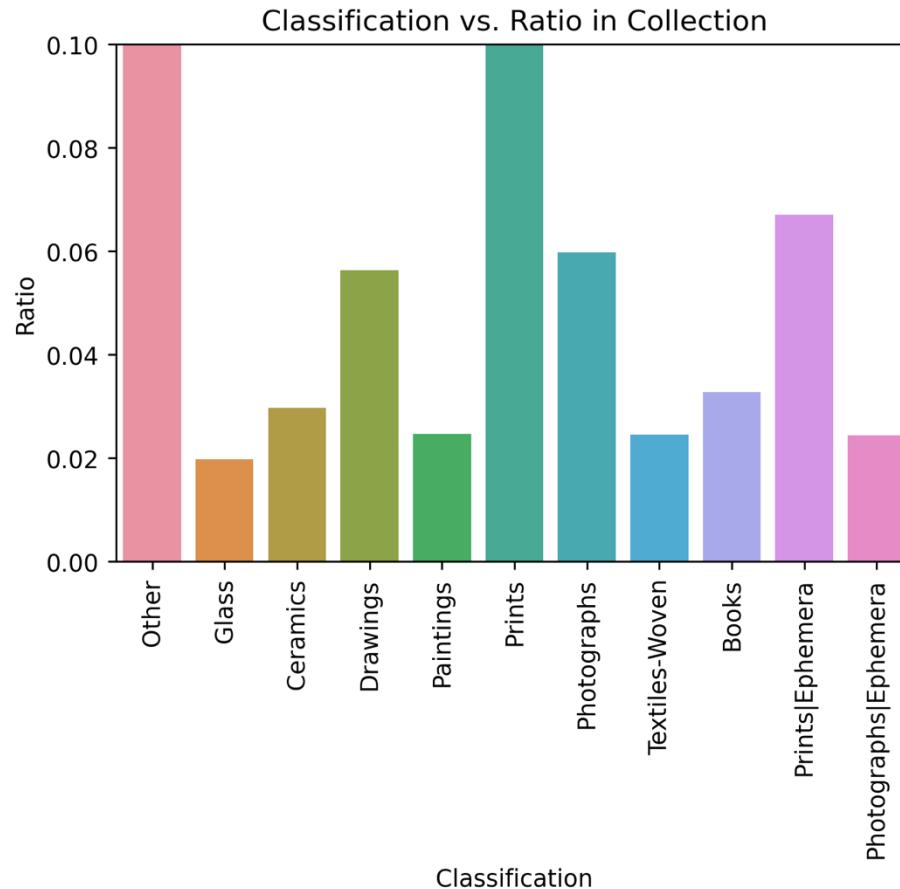
Collection Distributions



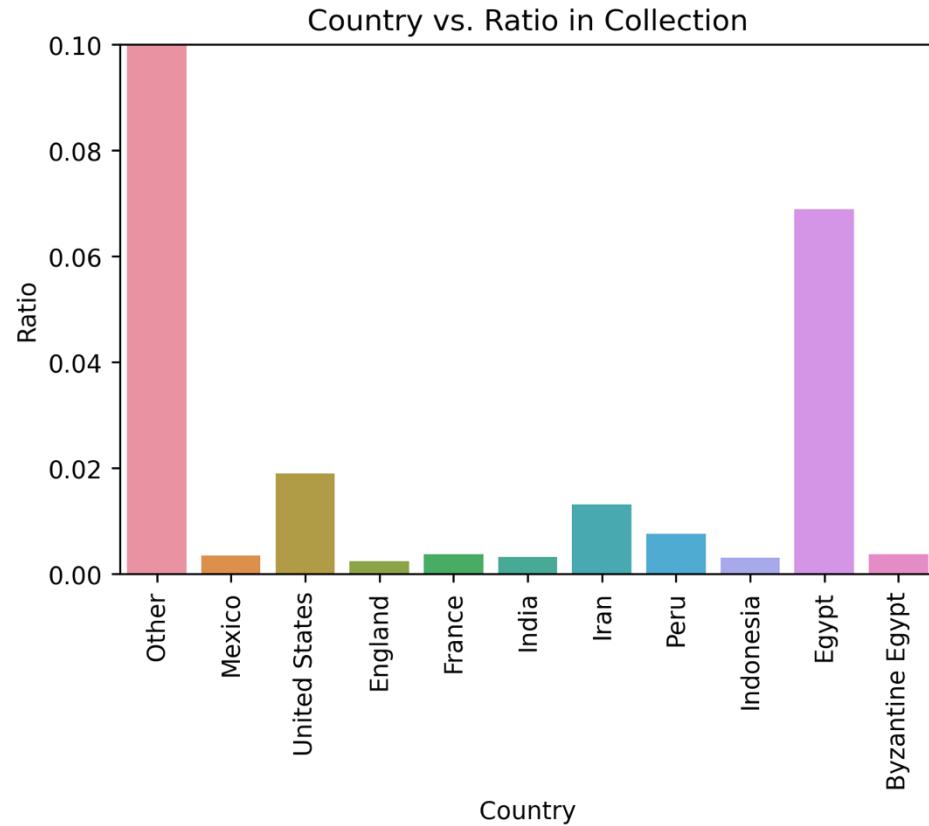
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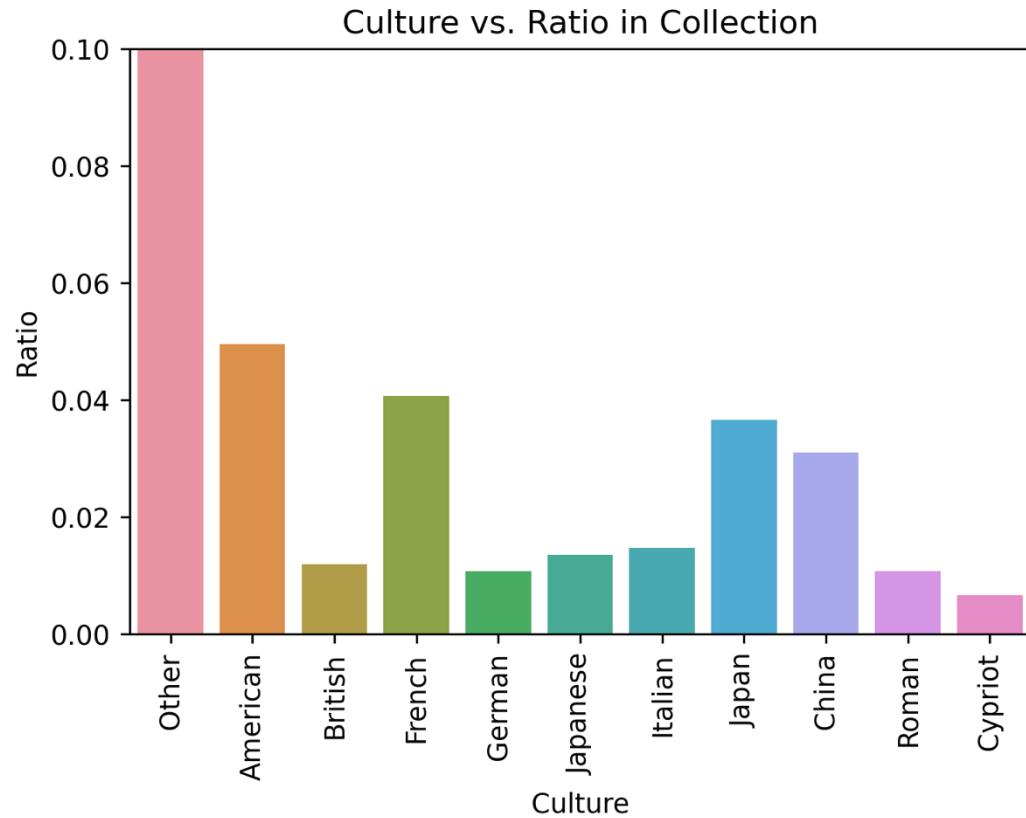
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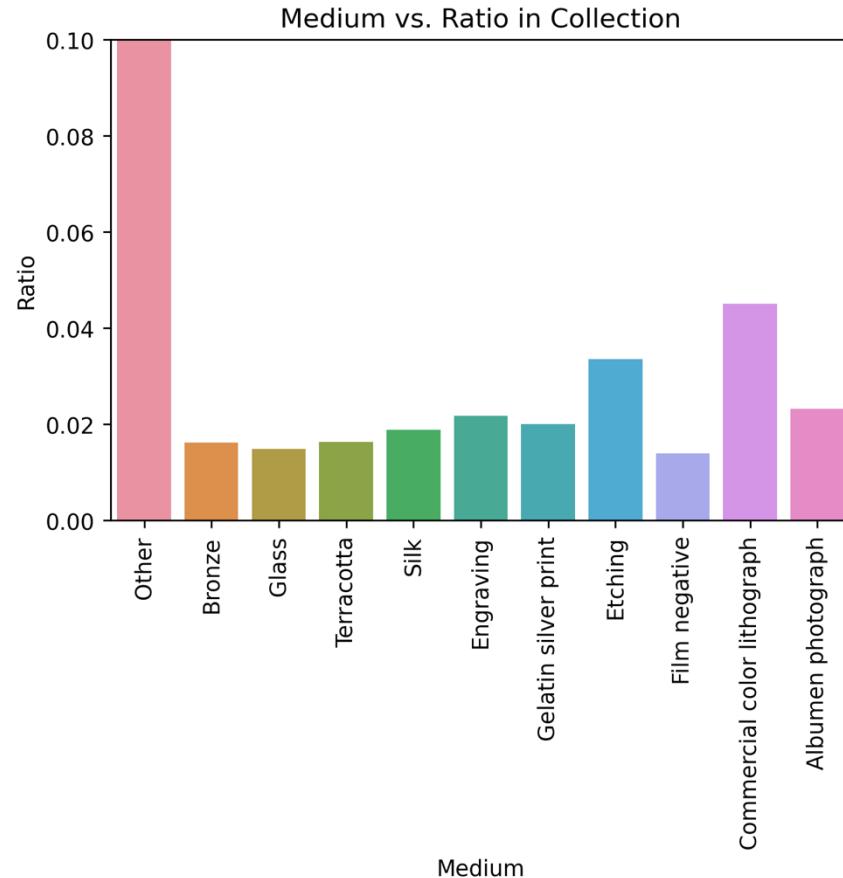
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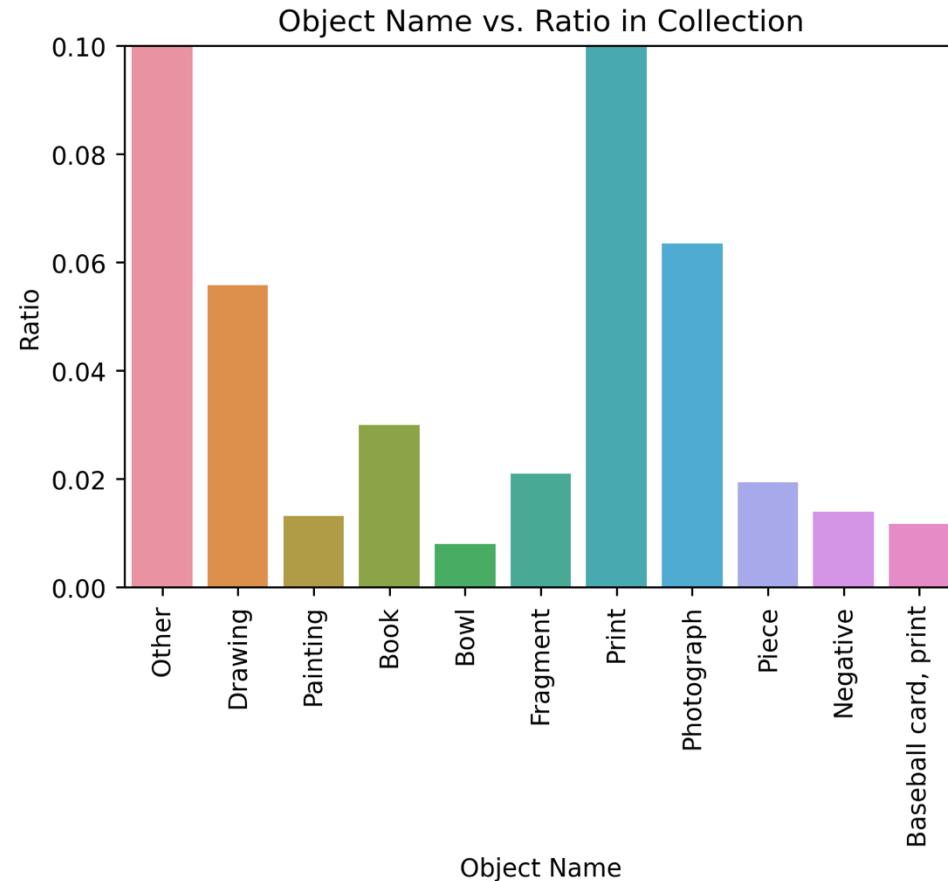
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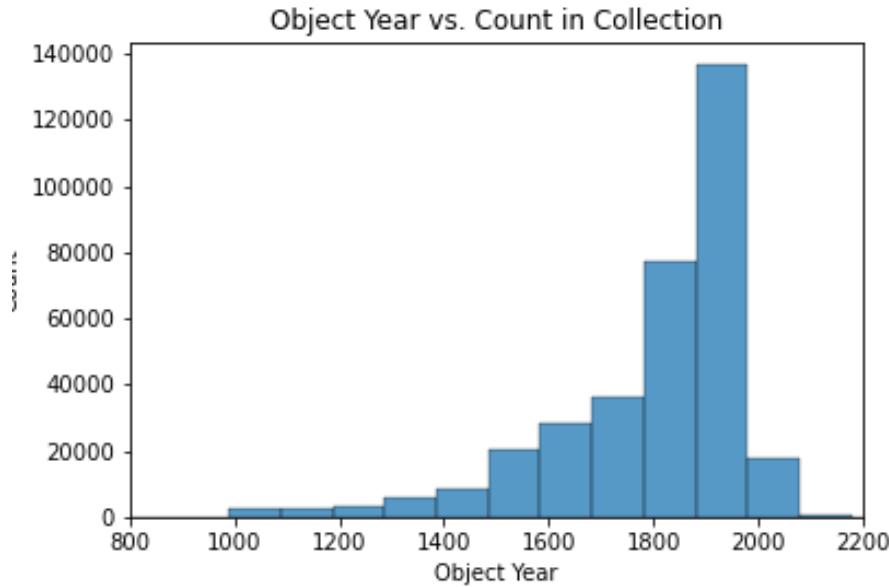
Collection Distributions



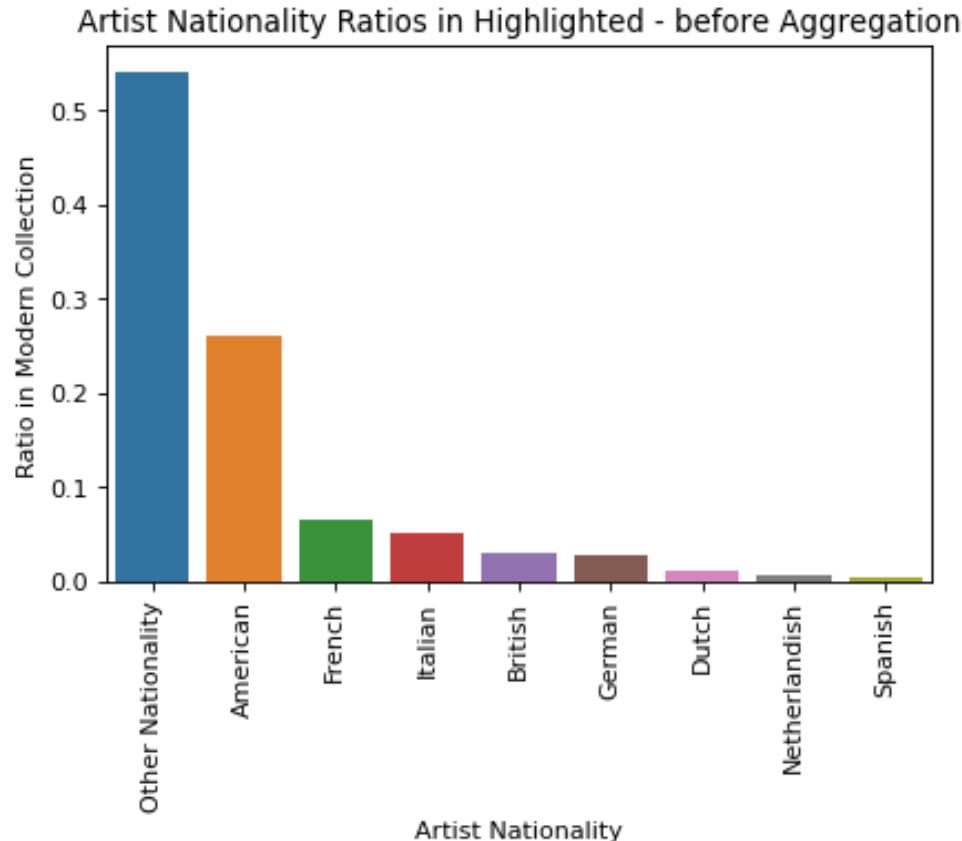
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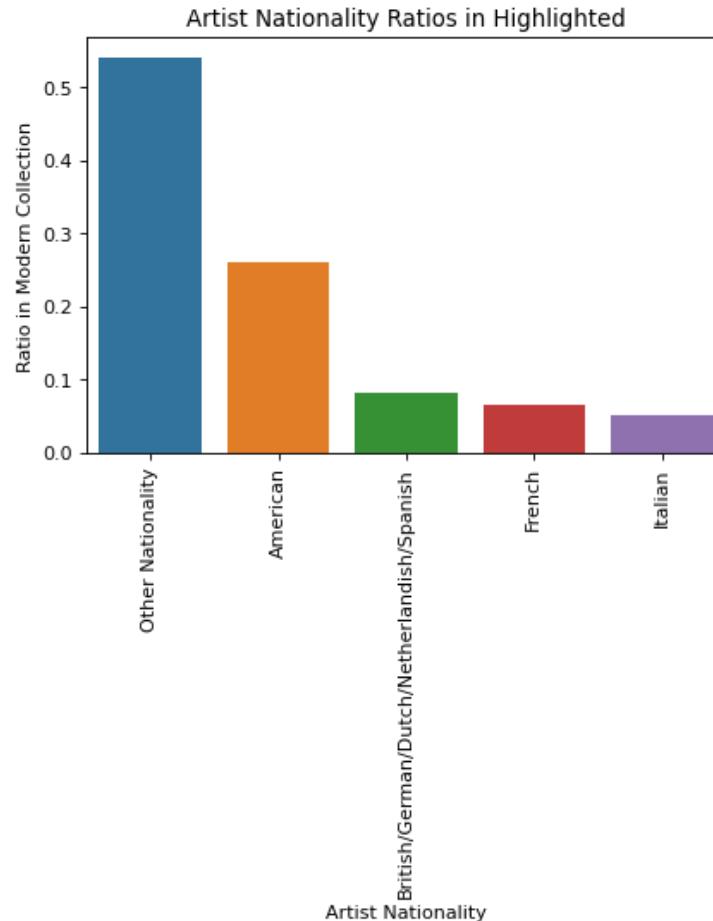
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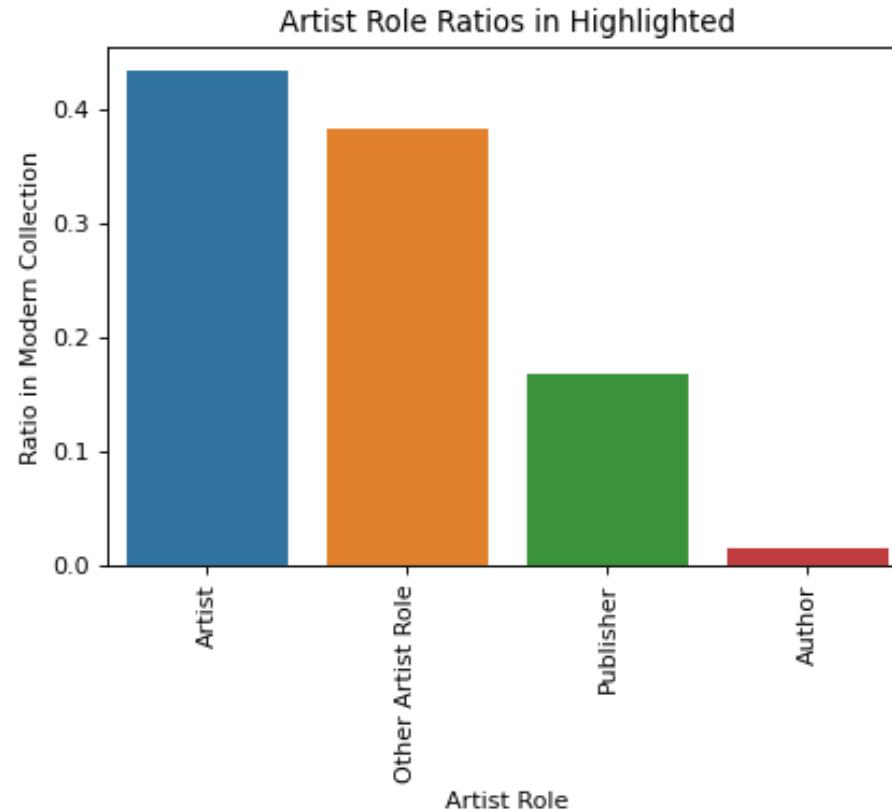
Modern Highlights



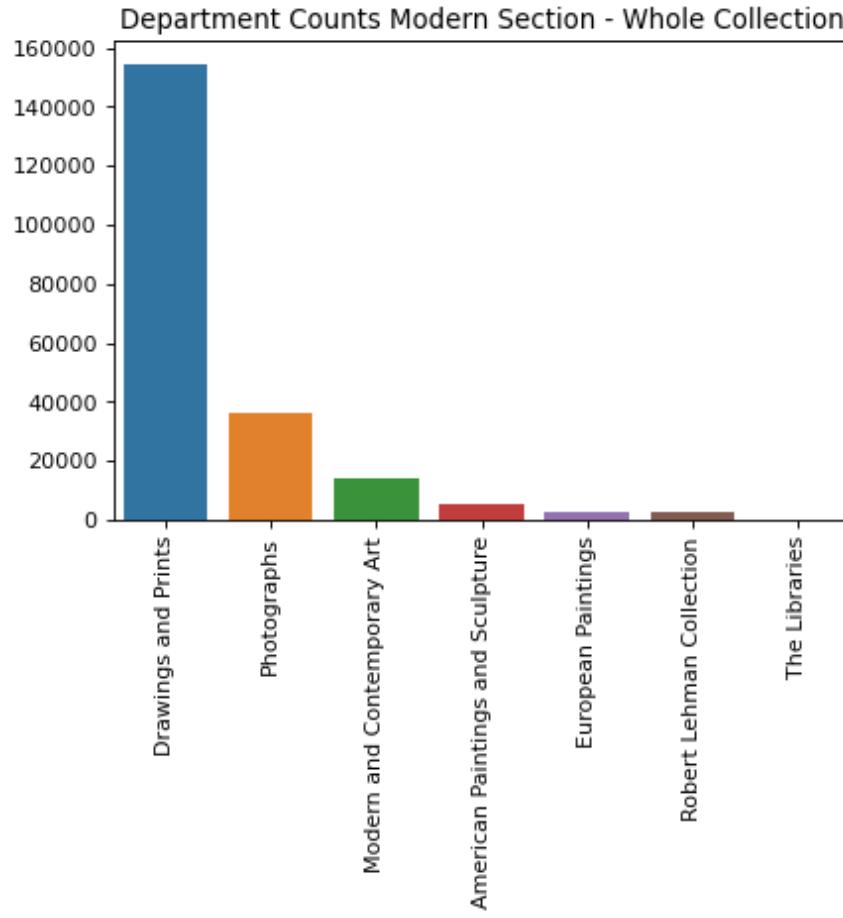
Modern Highlights



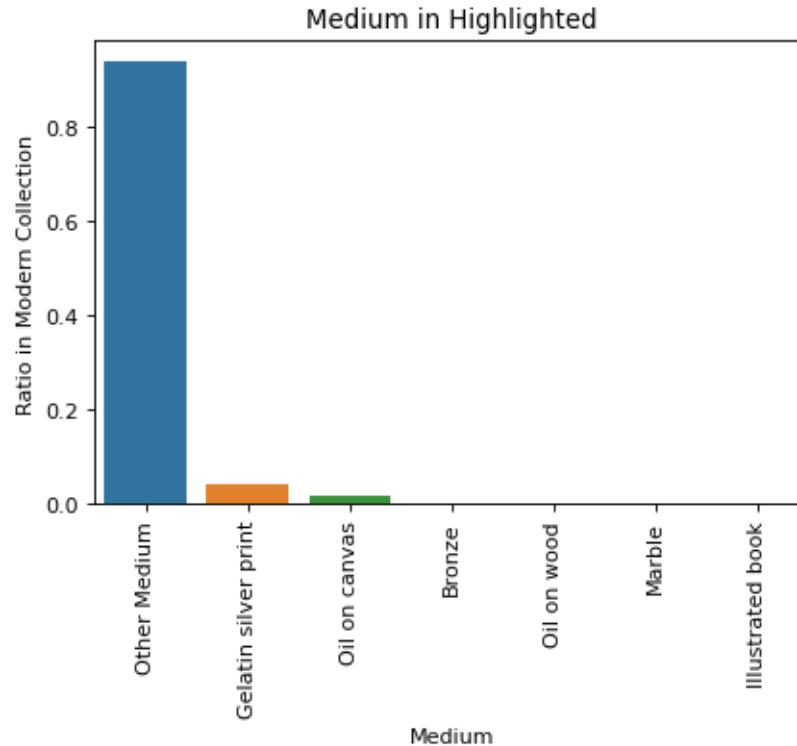
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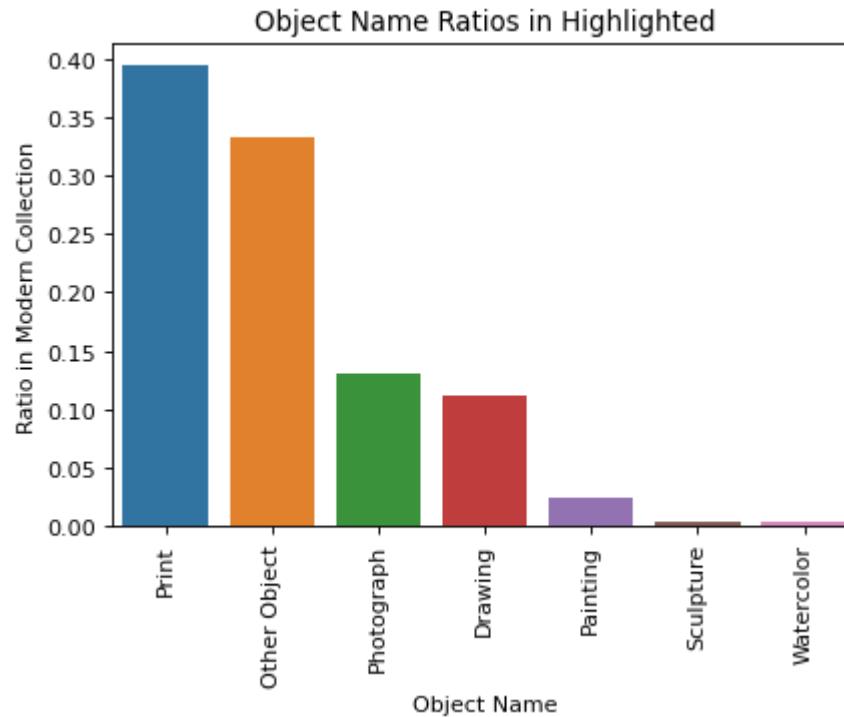
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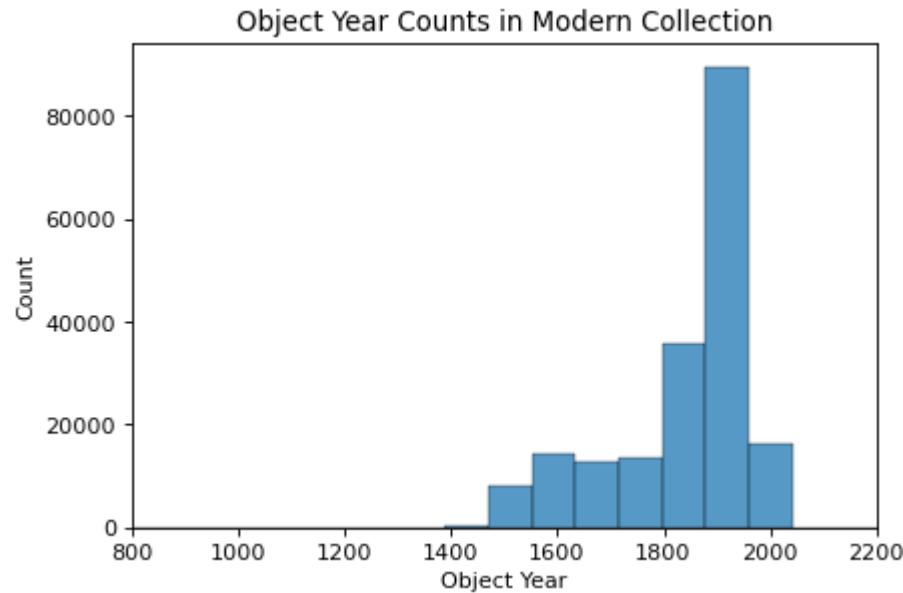
Modern Highlights



Modern Highlights



Modern Highlights



Modern Highlights

