

Collections Demographic Analysis

At the Trout Gallery



Research Question



Museum keep a body of artworks in their collections

Mostly obtained from donations



Circulate

within internal / external exhibitions



Collections' Function

Preservation, Education, Public Engagement, Innovation

Research:

Collections Demographic Insights for Operation and Marketing Purposes

Data Retrieval

Discussion with the Director,
Shannon Egan



About the Dataset



- 8 columns
- 11630 records

Creator	<ul style="list-style-type: none">• Artist name
Display Title	<ul style="list-style-type: none">• Artwork title
Media & Support	<ul style="list-style-type: none">• Medium and surface of the artwork• Split into Medium and Support features
Creation Date	<ul style="list-style-type: none">• Year of the created date• Generalized format 18th century = 1700s
Donor	<ul style="list-style-type: none">• Name of the Donor
Country	<ul style="list-style-type: none">• Origin of the artwork• Changed to Modern country names

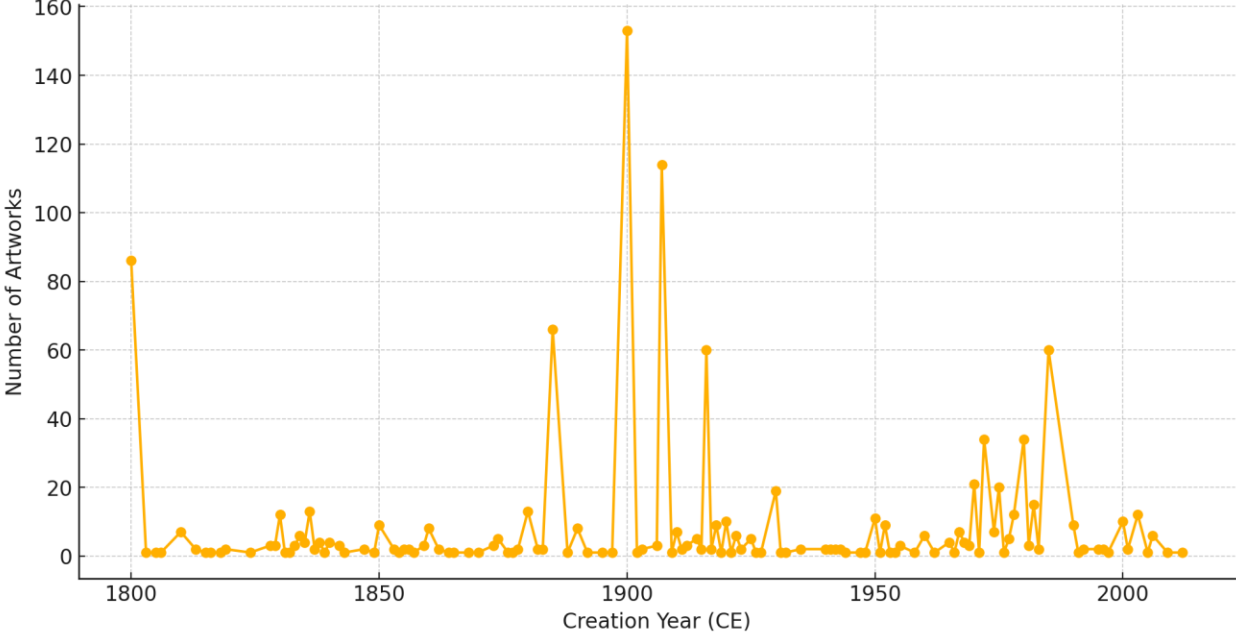
Cleaning the Data



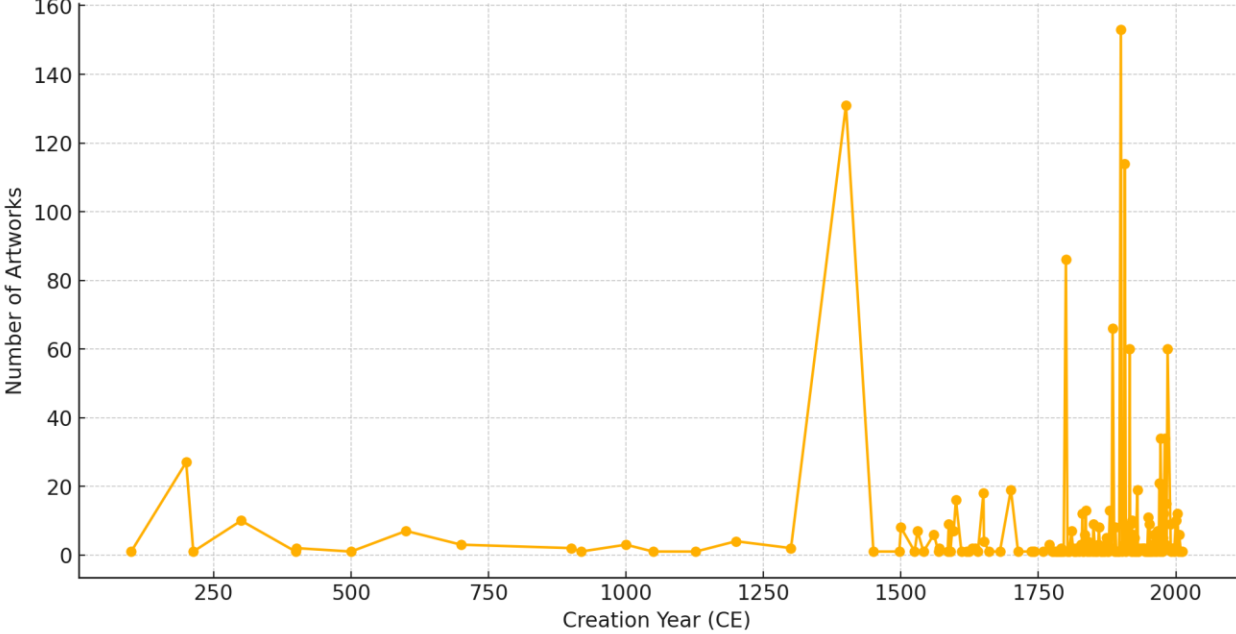
Creation Date	Change into standardized Year format 18 th century = 1700s, 12 th to 14 th = 1100s – 1300s
Country	ISO code standardization (Global Map plotting)
Media & Support	Remove repetitive categorizations Lithograph process = lithograph, color woodcut = woodcut
Donor	First name, Last name

Creation Date Trend

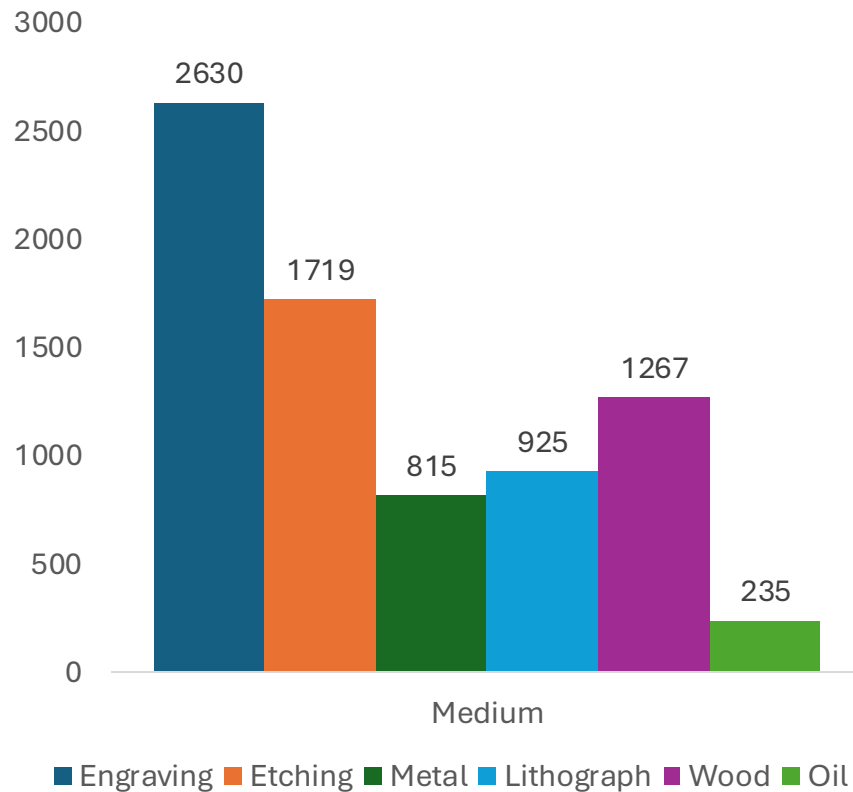
Trend of Artwork Creation Over Time (From 1800 Onwards)



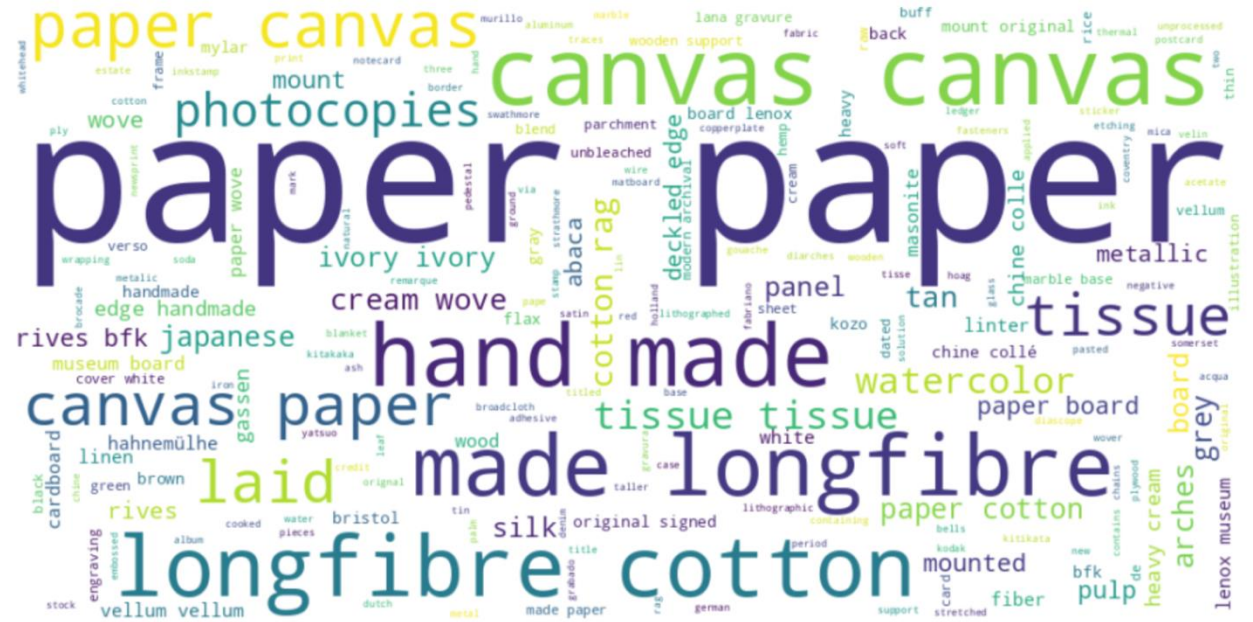
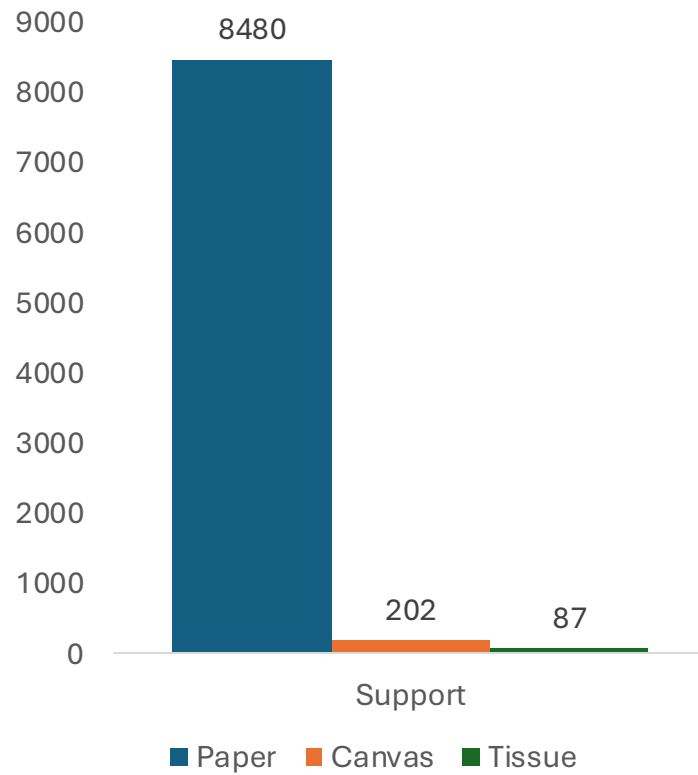
Trend of Artwork Creation Over Time (After Year 0)



Medium Counts



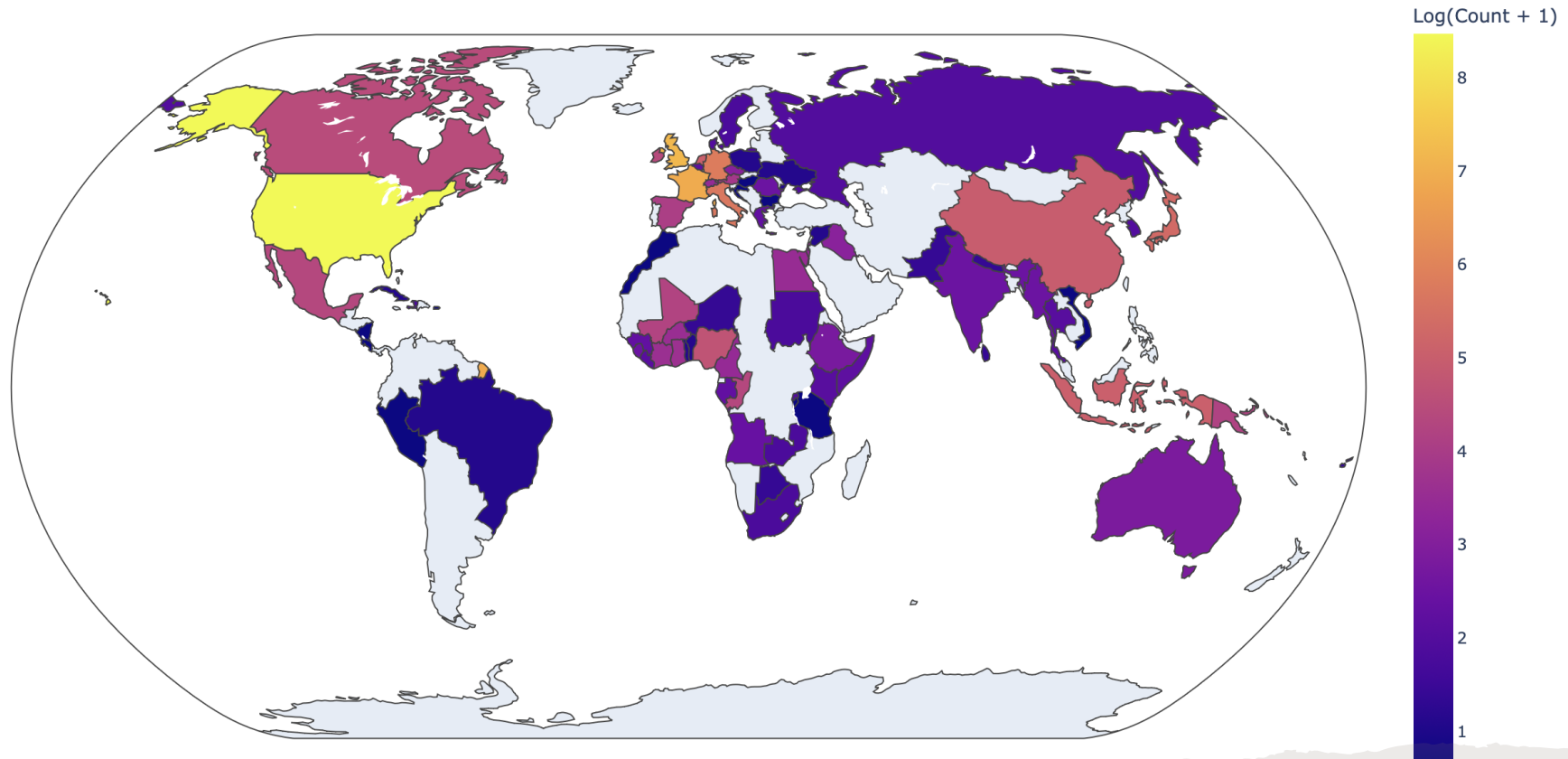
Support Counts



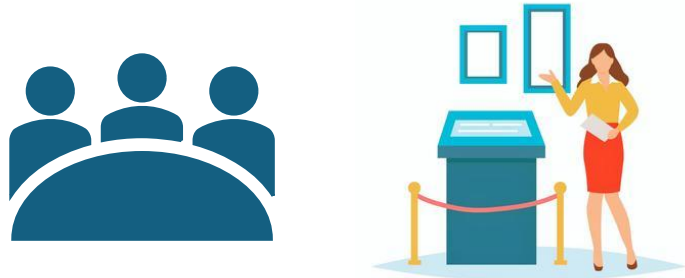
Visualization of Origin

[Map Visualization Link](#)

Trout Gallery Collection Count by Country (Log Scaled)



Implications on Stakeholders



Museum Leadership & Curators

Insights into collection diversity

Address gaps in representation



Funders & Donors

Insights of current collection focus

Shifting museum's interest to attract more funds

Private donors may shift support based on trends

Ethical, Legal, Societal Implications



Bias in Data Interpretation

Criteria of collection diversity, artist demographics



Data Privacy & Protection

Donor Privacy issue



Representation & Inclusion in Cultural Narratives

Potential discoveries of appropriated art
Labeling origin
under-representation



Transparency

Past collecting practices and implications

