Exploring the Met Collection

About The Met:

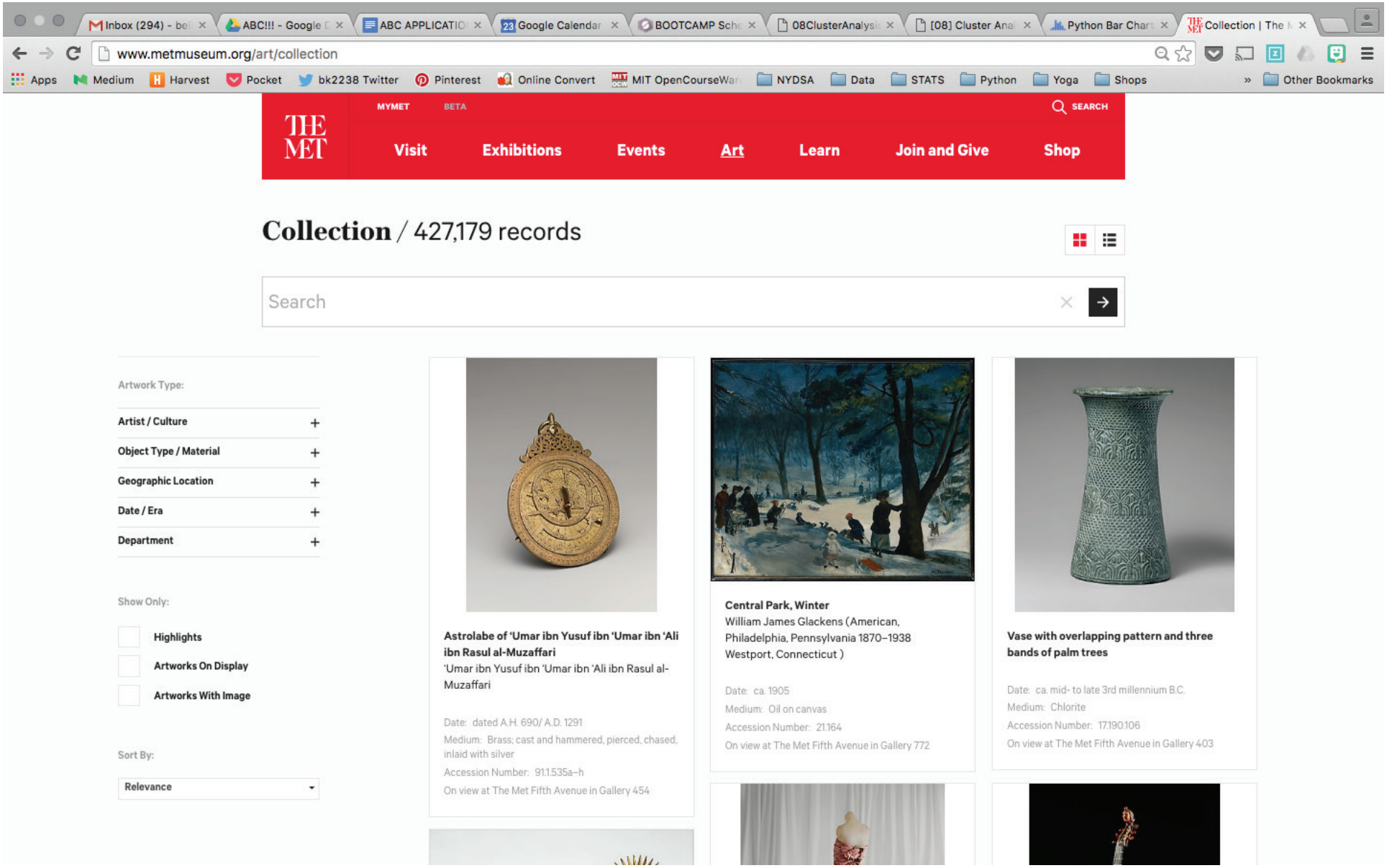
- The largest art museum in the US in both collection and area
- over 2 million works in whole collection
- located in 3 museums:
    - The Met on Fifth Avenue
    - The Met Cloisters: Medivel Art
    - The Met Breuer: modern and contemporary art

- the largest collection of Egyptian art outside of Cairo
- the largest collection of European paintings in the world

Curiosities:

- Which culture or department has the largest number of artworks in their collection?
- Which artists are most represented in the collection?
- What types of artwork are most prominent in the overall collection? (ceramics, textiles, paintings, sculpture, etc)
- What time period or era is most represented?
- What types of artwork were being produced around the world in a particular era?

scraping the website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Artwork Type:
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Object Type / Material
Geographic Location
Date / Era
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Astrolabe of 'Umar ibn Yusuf ibn 'Umar ibn 'Ali ibn Rasul al-Muzaffari
'Umar ibn Yusuf ibn 'Umar ibn 'Ali ibn Rasul al-Muzaffari
Date: dated A.H. 690/ A.D. 1291
Medium: Brass; cast and hammered, pierced, chased, inlaid with silver
Accession Number: 91.1.535a–h
On view at The Met Fifth Avenue in Gallery 454
Central Park, Winter
William James Glackens (American, Philadelphia, Pennsylvania 1870–1938 Westport, Connecticut)
Date: ca. 1905
Medium: Oil on canvas
Accession Number: 21.164
On view at The Met Fifth Avenue in Gallery 772
Vase with overlapping pattern and three bands of palm trees
Date: ca. mid- to late 3rd millennium B.C.
Medium: Chlorite
Accession Number: 17.190.106
On view at The Met Fifth Avenue in Gallery 403

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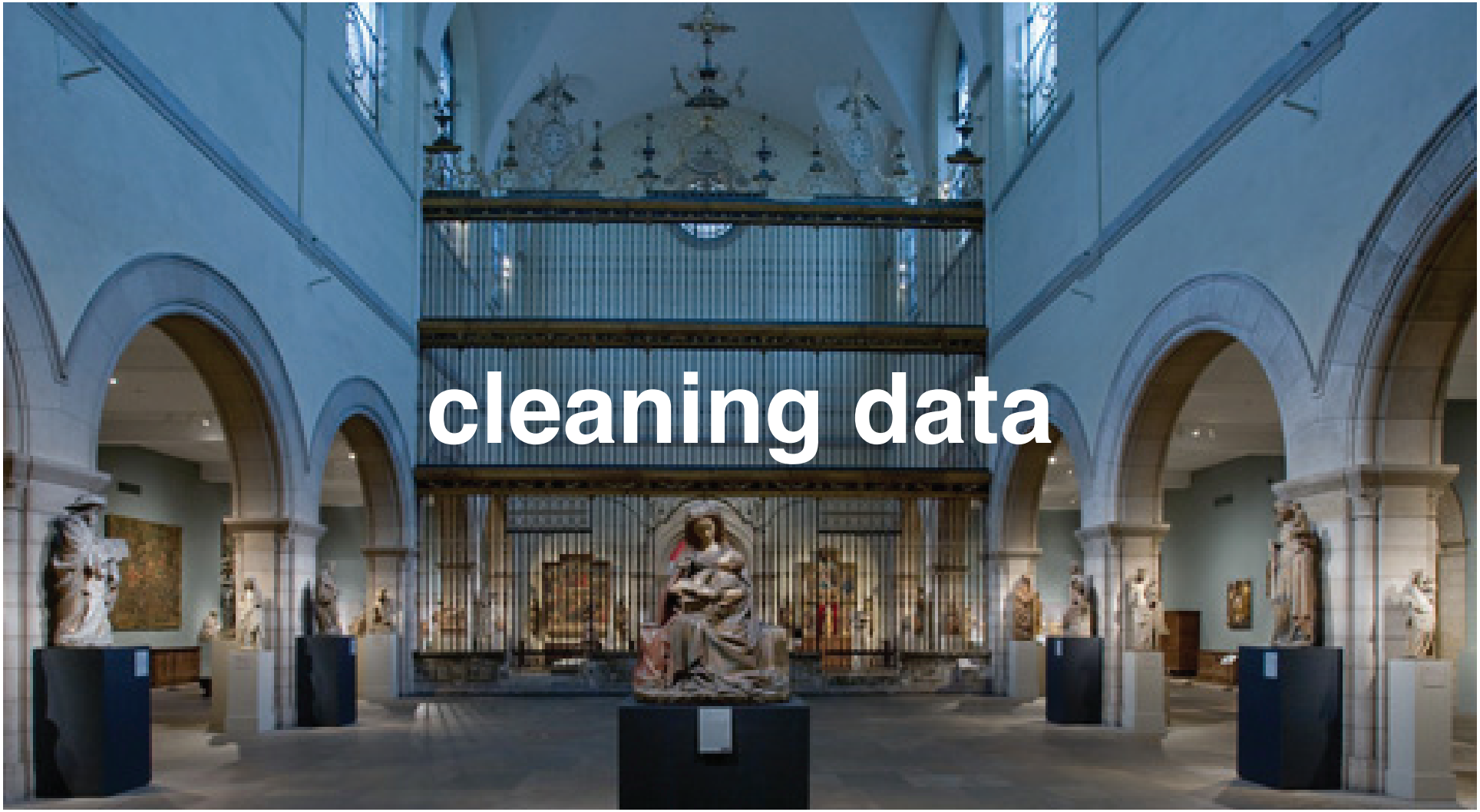
Additional Images +

Astrolabe of ʻUmar ibn Yusuf ibn ʻUmar ibn ʻAli ibn Rasul al-Muzaffari

Maker:	ʻUmar ibn Yusuf ibn ʻUmar ibn ʻAli ibn Rasul al-Muzaffari
Object Name:	Astrolabe
Date:	dated A.H. 690/ A.D. 1291
Geography:	Yemen
Culture:	Islamic
Medium:	Brass; cast and hammered, pierced, chased, inlaid with silver
Dimensions:	Case (a): Max. W. 7 5/8 in. (19.4 cm) Diam. 6 1/8 in. (15.6 cm) D. 1/4 in. (0.6 cm) Bar with attached nail (b): Max. H. 1 7/8 in. (4.8 cm) Max. W. 1 1/8 in. (2.9 cm) L. 5 in. (12.7 cm) Net (c): Diam. 5 in. (12.7 cm) Plates (d-g): Diam. 5 in. (12.7 cm) Pin (h): L. 1 3/4 in. (4.4 cm) W. 1/2 in. (1.3 cm)
Classification:	Metal
Credit Line:	Edward C. Moore Collection, Bequest of Edward C. Moore, 1891
Accession Number:	91.1.535a–h


cleaning data

In [39]:

Slide Type Slide

```
metcollect_df.head()
```

Out[39]:

	_id	artifact_detail	location	title
0	5740c389682f25029373f0e7	{u'Date:': u'ca. 1150–60', u'Classification:':...	On view at The Met Cloisters in Gallery 14	The Cloisters Cross
1	5740c38e682f25029373f0e8	{u'Dimensions:': u'15 7/8 × 5 1/8 × 4 1/4 in.,...	On view at The Met Fifth Avenue in Gallery 899	Bronze statuette of an artisan with silver eyes
2	5740c392682f25029373f0e9	{u'Period:': u'New Kingdom', u'Dynasty:': u'Dy...	On view at The Met Fifth Avenue in Gallery 118	Ritual Statuette of Thutmose III
3	5740c396682f25029373f0ea	{u' ': u'Attributed to the Amasis Painter', u'...	On view at The Met Fifth Avenue in Gallery 154	Terracotta lekythos (oil flask)
4	5740c399682f25029373f0eb	{u'Dimensions:': u'L. 15 cm ', u'Date:': u'ca....	On view at The Met Fifth Avenue in Gallery 403	Shaft-hole axe head with bird-headed demon, bo...

unpack nested dictionary with key: value pairs that are specific to each art work

Out[42]:

	location	accession number	armorer	artist	author	classification	classifications	credit line	culture	date
title										
The Cloisters Cross	On view at The Met Cloisters in Gallery 14	63.12	0	0	0	Ivories	0	The Cloisters Collection, 1963	British	ca. 115(
Bronze statuette of an artisan with silver eyes	On view at The Met Fifth Avenue in	1972.11.1	0	0	0	Bronzes	0	Rogers Fund, 1972	Greek	ca. mid-century

dataframe unpacked and looking manageable....

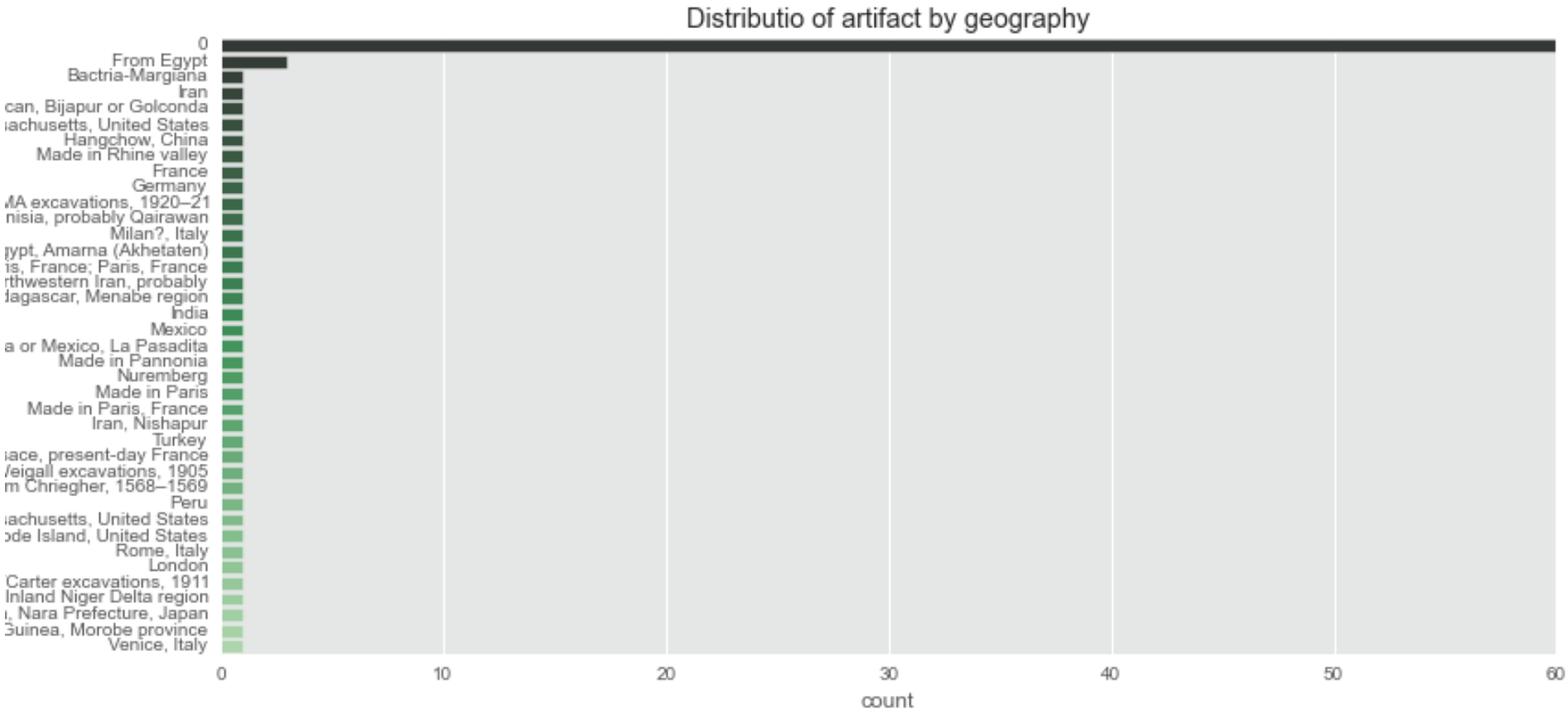
In [23]:

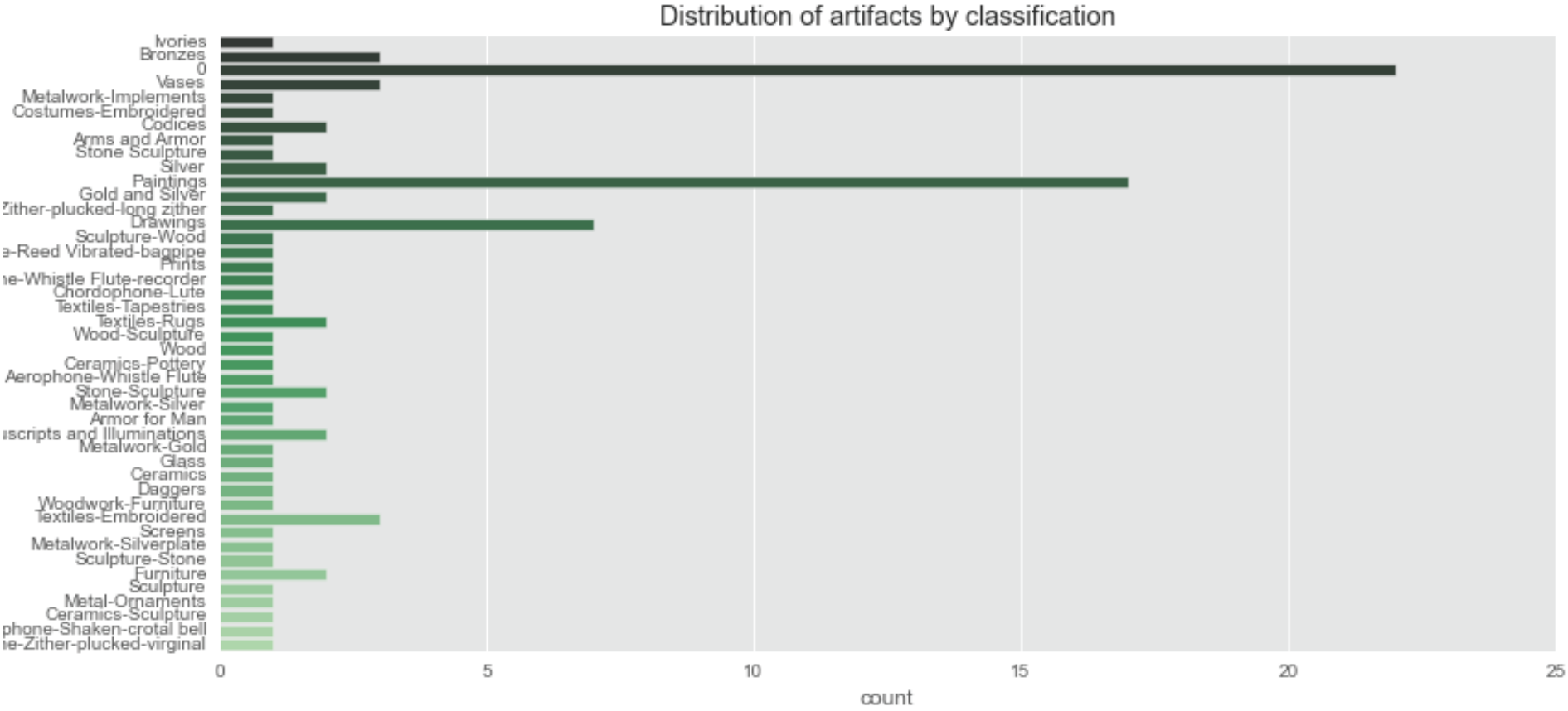
Slide Type

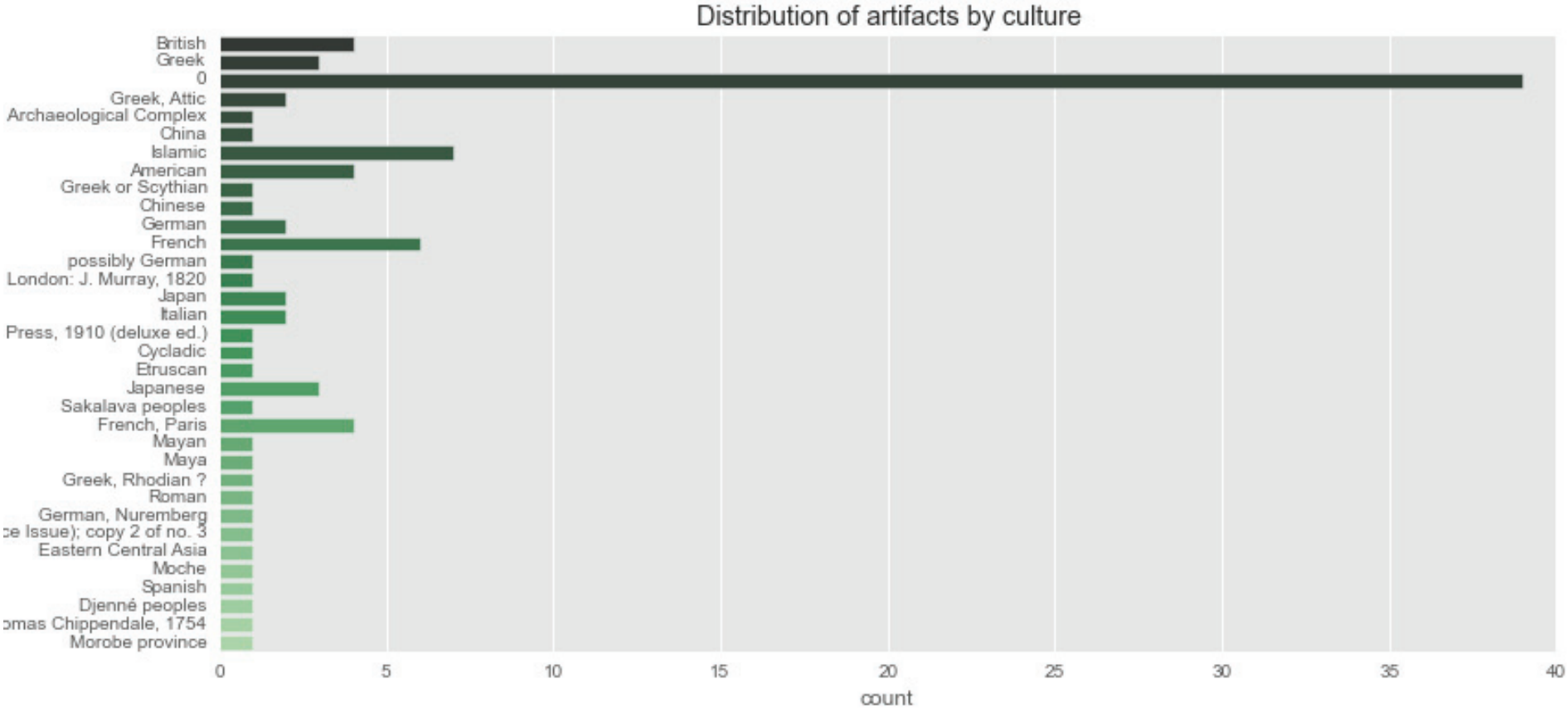
```
print len(metcollect_df.classification)
print len(metcollect_df.date)
print metcollect_df.date.unique()
```

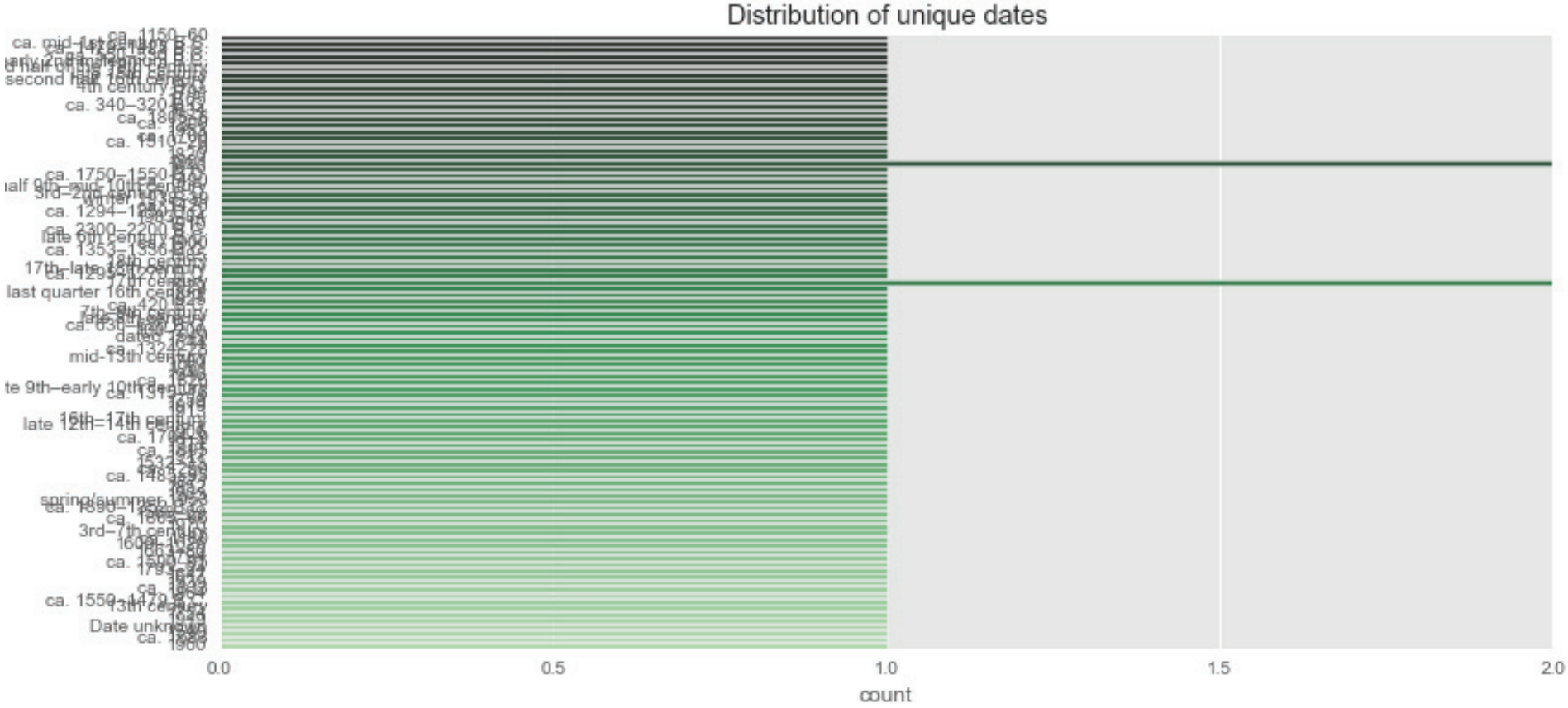
```
100
100
[u'ca. 1150\u201360' u'ca. mid-1st century B.C.' u'ca. 1479\u20131425 B.C.'
 u'ca. 550\u2013530 B.C.' u'ca. late 3rd\u2013early 2nd millennium B.C.'
 u'second half of the 18th century' u'late 15th century'
 u'second half 16th century' u'4th century B.C.' u'1791' u'1765'
 u'ca. 340\u2013320 B.C.' u'1634' u'ca. 1805\u20136' u'ca. 1300' u'1953'
 u'ca. 1700' u'ca. 1510\u201320' 0 u'1820' u'1901' u'1646'
 u'ca. 1750\u20131550 B.C.' u'ca. 1490'
 u'second half 9th\u2013mid-10th century' u'3rd\u20132nd century B.C.'
 u'winter 1938\u201339' u'ca. 1420' u'ca. 1294\u20131250 B.C.'
 u'1983\u201384' u'1910' u'ca. 2300\u20132200 B.C.'
 u'late 6th century B.C.' u'ca. 1900' u'ca. 1353\u20131336 B.C.' u'1585'
 u'18th century' u'17th\u2013late 18th century' u'ca. 1295\u20131270 B.C.'
 u'17th century' u'1929' u'last quarter 16th century' u'1925'
 u'ca. 420 B.C.' u'7th\u20139th century' u'late 8th century'
 u'ca. 630\u2013620 B.C.' u'100\u2013200' u'dated 1549' u'1644'
 u'ca. 1324\u201328' u'mid-13th century' u'1700' u'1961' u'1946'
 u'ca. 1826' u'late 9th\u2013early 10th century' u'ca. 1315\u201316'
 u'1759' u'1919' u'1913' u'16th\u201317th century'
 u'late 12th\u201314th century' u'1906' u'ca. 1704\u20139' u'1914'
 u'ca. 1895' u'1917' u'1532\u201333' u'ca. 1250' u'ca. 1485\u201395'
 u'1871' u'1852' u'1903' u'spring/summer 1953' u'ca. 1390\u20131352 B.C.'
 u'1568\u201369' u'ca. 1865\u201366' u'1970' u'3rd\u20137th century'
 u'ca. 1180' u'1600\u20131626' u'1663\u201380' u'1794' u'ca. 1590\u201395'
 u'1793\u201394' u'1647' u'1939' u'ca. 1833' u'1864'
 u'ca. 1550\u20131479 B.C.' u'13th century' u'1754' u'1949' u'Date unknown'
 u'1540' u'ca. 1683' u'1960']
```

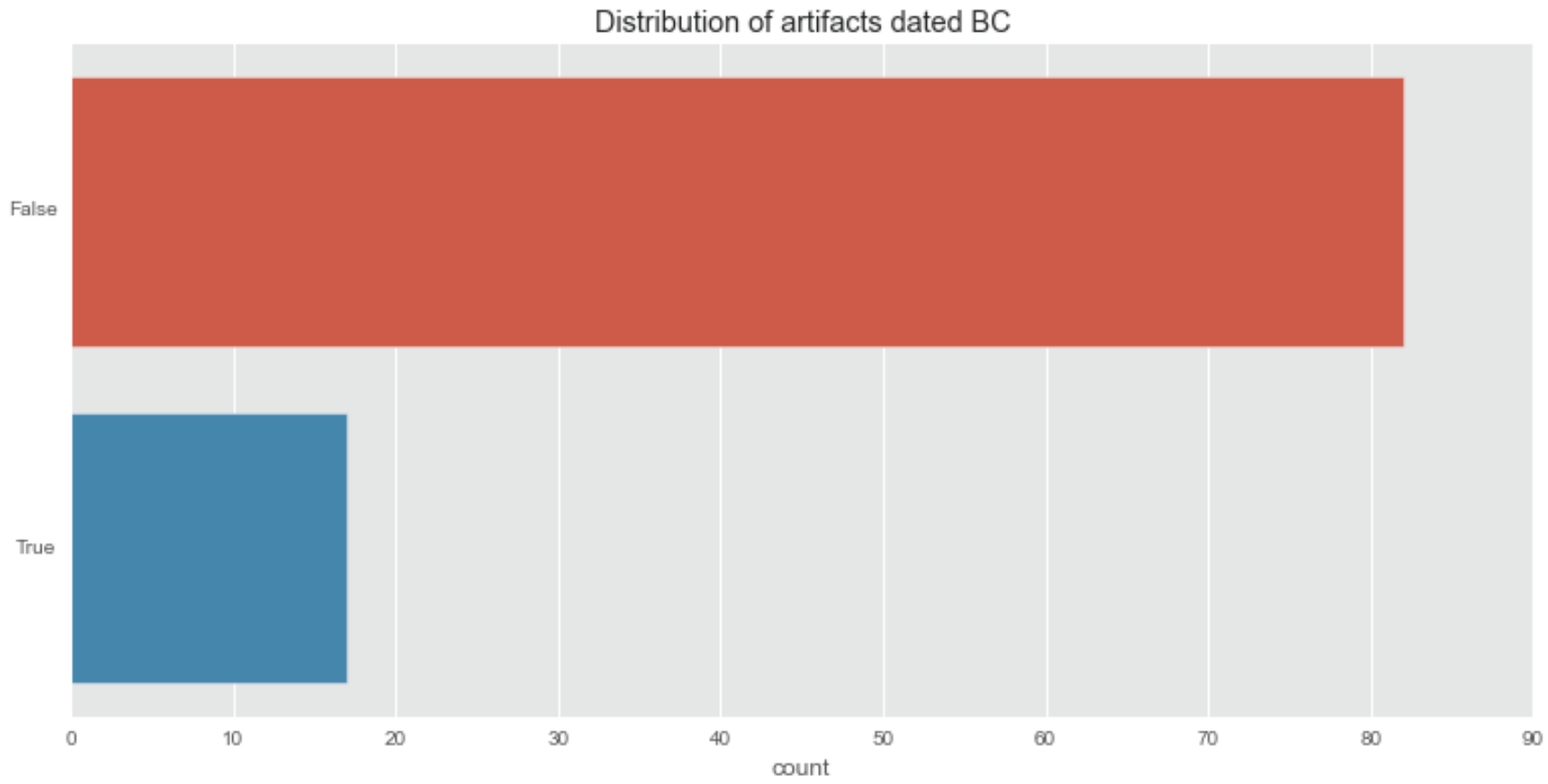
graphing

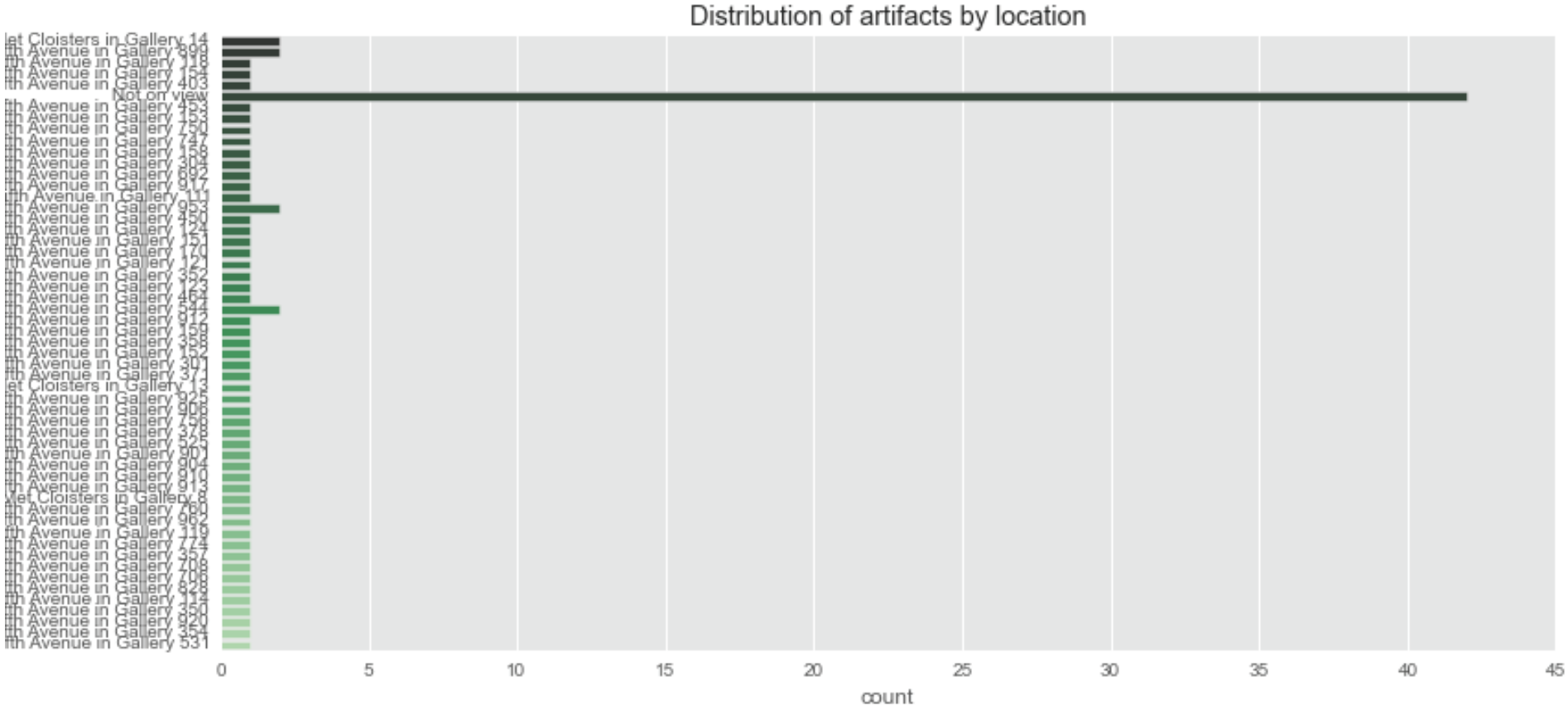

Distributio of artifact by geography
0
From Egypt
Bactria-Margiana
Iran
can, Bijapur or Golconda
achusetts, United States
Hangchow, China
Made in Rhine valley
France
Germany
MA excavations, 1920–21
nisia, probably Qairawan
Milan?, Italy
ypt, Amarna (Akhetaten)
is, France; Paris, France
rthwestern Iran, probably
dagascar, Menabe region
India
Mexico
a or Mexico, La Pasadita
Made in Pannonia
Nuremberg
Made in Paris
Made in Paris, France
Iran, Nishapur
Turkey
ace, present-day France
eigall excavations, 1905
m Chriegher, 1568–1569
Peru
achusetts, United States
ode Island, United States
Rome, Italy
London
Carter excavations, 1911
Inland Niger Delta region
, Nara Prefecture, Japan
Guinea, Morobe province
Venice, Italy
0
10
20
30
40
50
60
count

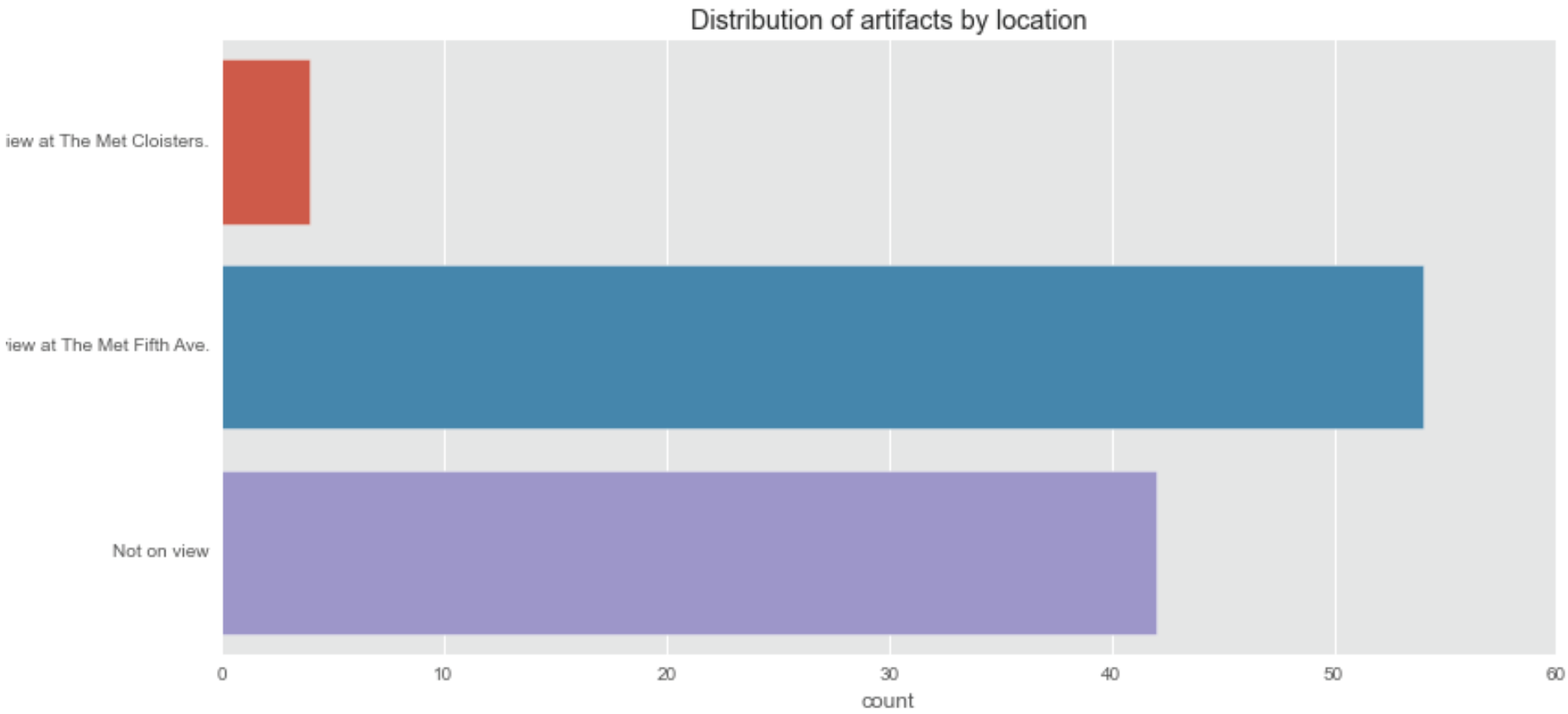

Distribution of artifacts by classification
Ivories
Bronzes
0
Vases
Metalwork-Implements
Costumes-Embroidered
Codices
Arms and Armor
Stone Sculpture
Silver
Paintings
Gold and Silver
Zither-plucked-long zither
Drawings
Sculpture-Wood
e-Reed Vibrated-bagpipe
Prints
ne-Whistle Flute-recorder
Chordophone-Lute
Textiles-Tapestries
Textiles-Rugs
Wood-Sculpture
Wood
Ceramics-Pottery
Aerophone-Whistle Flute
Stone-Sculpture
Metalwork-Silver
Armor for Man
nuscripts and Illuminations
Metalwork-Gold
Glass
Ceramics
Daggers
Woodwork-Furniture
Textiles-Embroidered
Screens
Metalwork-Silverplate
Sculpture-Stone
Furniture
Sculpture
Metal-Ornaments
Ceramics-Sculpture
phone-Shaken-crotal bell
ne-Zither-plucked-virginal
0
5
10
15
20
25
count


Distribution of artifacts by culture
British
Greek
0
Greek, Attic
Archaeological Complex
China
Islamic
American
Greek or Scythian
Chinese
German
French
possibly German
London: J. Murray, 1820
Japan
Italian
Press, 1910 (deluxe ed.)
Cycladic
Etruscan
Japanese
Sakalava peoples
French, Paris
Mayan
Maya
Greek, Rhodian ?
Roman
German, Nuremberg
ce Issue); copy 2 of no. 3
Eastern Central Asia
Moche
Spanish
Djenné peoples
omas Chippendale, 1754
Morobe province
0
5
10
15
20
25
30
35
40
count


Distribution of unique dates
0.0
0.5
1.0
1.5
2.0
count


Distribution of artifacts dated BC
False
True
0
10
20
30
40
50
60
70
80
90
count


Distribution of artifacts by location
Not on view
0
5
10
15
20
25
30
35
40
45
count


Distribution of artifacts by location
iew at The Met Cloisters.
iew at The Met Fifth Ave.
Not on view
0
10
20
30
40
50
60
count

In [297]:

```
metcollect_df.classification.unique()
# woodwork, sculpture, metalwork, paintings, instruments, textiles, glass
```

Out[297]:

```
array([u'Ivories', u'Bronzes', 0, u'Vases', u'Metalwork-Implements',
       u'Costumes-Embroidered', u'Codices', u'Arms and Armor',
       u'Stone Sculpture', u'Silver', u'Paintings', u'Gold and Silver',
       u'Chordophone-Zither-plucked-long zither', u'Drawings',
       u'Sculpture-Wood', u'Aerophone-Reed Vibrated-bagpipe', u'Prints',
       u'Aerophone-Whistle Flute-recorder', u'Chordophone-Lute',
       u'Textiles-Tapestries', u'Textiles-Rugs', u'Wood-Sculpture',
       u'Wood', u'Ceramics-Pottery', u'Aerophone-Whistle Flute',
       u'Stone-Sculpture', u'Metalwork-Silver', u'Armor for Man',
       u'Manuscripts and Illuminations', u'Metalwork-Gold', u'Glass',
       u'Ceramics', u'Daggers', u'Woodwork-Furniture',
       u'Textiles-Embroidered', u'Screens', u'Metalwork-Silverplate',
       u'Sculpture-Stone', u'Furniture', u'Sculpture', u'Metal-Ornaments',
       u'Ceramics-Sculpture', u'Idiophone-Shaken-crotal bell',
       u'Chordophone-Zither-plucked-virginal'], dtype=object)
```

In [319]:

```
metcollect_df.culture.unique()
```

Out[319]:

```
array([u'British', u'Greek', 0, u'Greek, Attic',
       u'Bactria-Margiana Archaeological Complex', u'China', u'Islamic',
       u'American', u'Greek or Scythian', u'Chinese', u'German', u'French',
       u'possibly German', u'London: J. Murray, 1820', u'Japan',
       u'Italian', u'London: Chiswick Press, 1910 (deluxe ed.)',
       u'Cycladic', u'Etruscan', u'Japanese', u'Sakalava peoples',
       u'French, Paris', u'Mayan', u'Maya', u'Greek, Rhodian ?', u'Roman',
       u'German, Nuremberg', u'March 1919 (Dance Issue); copy 2 of no. 3',
       u'Eastern Central Asia', u'Moche', u'Spanish', u'Djenn\xe9 peoples',
       u'London: Thomas Chippendale, 1754', u'Morobe province'], dtype=object)
```