

ArtRecommender

Monica Ramirez - Metis Spring 2018



Motivación/Inspiración



Woman, Birds and Stars Miro, 1944



Miro, 1927



Picasso, 1936



Motivación/Inspiración



Woman, Birds and Stars Miro, 1944



Miro, 1927



Picasso, 1936



Japanese, 16th cent.







Motivación/Inspiración



Woman, Birds and Stars Miro, 1944

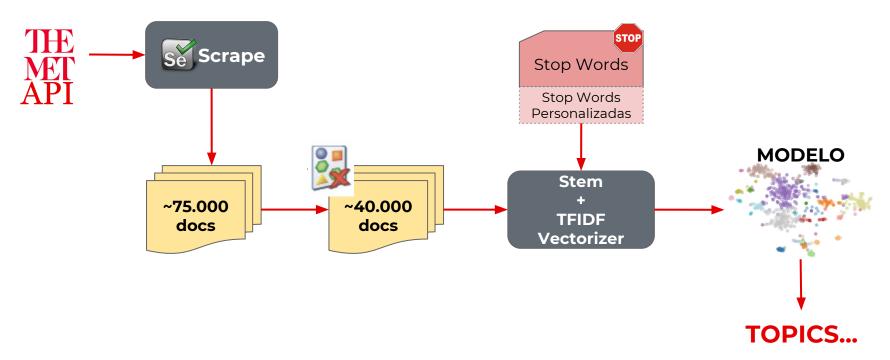
In August 1939, one month before the outbreak of **World War II**, Miró moved with his wife to Varengeville in Normandy, France. During the Nazi occupation, Miró created a series of gouaches, the **Constellations**, on which this painting is based. André Breton described Miró's **faces**, **stars**, **wings**, **lines**, **and crescents** as "outside the world and outside time, too."

On a **light-colored ground**, Miró has laid down **thick black bars** that lyrically intersect one another to vaguely convey a **face**. Around the lines are **smudges**, **smears and spatters** of different **colors**



Proceso para el MET

Oil on Canvas





Scraping para el MET

Oil on Canvas



'Object Number'
'Is Highlight'
'Is Public Domain',
'Department'
'Title',
'Culture'
'Period'
'Dynasty',
'Artist Prefix',
'Artist Display Name'
'Artist Display Bio'

'Artist Suffix',
'Artist Nationality'
'Artist Begin Date',
'Artist End Date'
'Object Date'
'Object Begin Date',
'Object End Date'
'Medium'
'Dimensions'
'Geography',
'Rights and Reproduction',
'Link Resource'



Scraping para el MET



Browse the Collection



Adoration of the Magi from Seven Scenes from the Life of Christ

ca. 1390 Made in Lower Austria, Austria Austrian
Austrian
/ doctron
Pot-metal and colorless glass, vitreous paint and silver stain
27 5/16 x 12 15/16in. (69.4 x 32.8cm)
Glass-Stained
The Cloisters Collection, 1986
1986.285.2

On view at The Met Cloisters in Gallery 09

This panel which is part of a larger ensemble was commissioned for the private chapel in the castle of Ebreichsdorf, south of Vienna. Originally, there were eighteen scenes, some extending across two lights of the windows. Except for one panel in Vienna, The Cloisters panels are all that survive. The royal atelier responsible for the glass was established in Vienna, where its early work can be seen in the Church of Maria am Gestade, of about 1365, and in the ducal chapel at the Cathedral of Saint Stephen, of about 1395. The elegant figures, richly damascened background, as well as the wealth of detail and the brilliant palette that enrich the settings, are all characteristic of this court workshop.



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                 </hl>
                 <div class="artwork tombstone">
                         <span class="artwork tombstone--label">Date:</span>
                            <span class="artwork tombstone--value">ca, 1390</span>
                         <span class="artwork tombstone--label">Geography:</span>
                            <span class="artwork tombstone--value">Made in Lower Austria, Austria/span>
                         16
                            <span class="artwork tombstone--label">Medium:</span>
                            <span class="artwork tombstone--value">Pot-metal and colorless glass, vitreous paint
                            and silver stain</span>
18
                         <span class="artwork tombstone--label">Dimensions:</span>
                            <span class="artwork tombstone--value">27 5/16 x 12 15/16in, (69.4 x 32.8cm)
                         </div>
24
                 <div class="artwork label">
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                 </div>
27
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          <div class="component component accordions">
              <section class="accordion">
                 <div class="accordion content">
                     From the Infancy of Christ window, choir of the castle chapel (the Schlosskapelle) at
                     Ebreichsdorf, south of Vienna.; Lolowrat-Liebsteinsky, Ebreichsdorf (1843-1873); Count
                     Joseph Arco-Zinneberg, Ebreichsdorf (1873-1922); [ Duveen Brothers, London, Paris and New
                     York] ; Mrs. Alexander Hamilton Rice, New York (1923-1957) ; Smithsonian American Art Museum,
                     Washington, DC (1957-1986)
```

<header class="masthead" main-nav>

Scraping para el MET



Browse the Collection



Adoration of the Magi from Seven Scenes from the Life of Christ

Date:	ca. 1390
Geography:	Made in Lower Austria, Austria
Culture:	Austrian
Medium:	Pot-metal and colorless glass, vitreous paint and silver stain
Dimensions:	27 5/16 x 12 15/16in. (69.4 x 32.8cm)
Classification:	Glass-Stained
Credit Line:	The Cloisters Collection, 1986
Accession Number:	1986.285.2

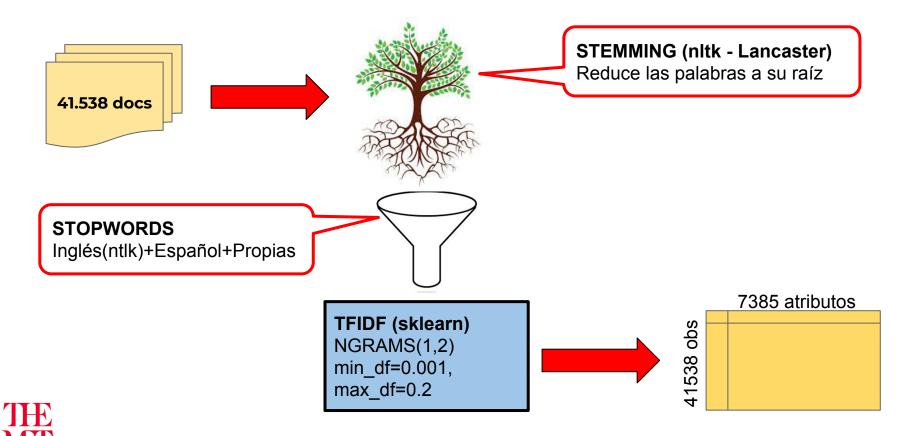
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                     York] ; Mrs. Alexander Hamilton Rice, New York (1923-1957) ; Smithsonian American Art Museum,
                     Washington, DC (1957-1986)
```

Preparación de Datos para el MET



Topics para el MET (NMF)

0	1	2	3	4	5	6	7	8	9
decorate	leaves	long	des	Saint	etching	dark	nature	cards	design
bottom	flowers	wears	fashion	China	haden	renaissan ce	american	issued	gold
plate	stylized	new	et	Dynasty	source	Greece	native	set	jewel
venice	branches	dress	paris	Pope	state	time	cherokee	trade	stone
pattern	thin	woman	modes	Virgin	line	Raphael	horse	company	enamel
cup	nature	hat	dames	life	book	venice	mayan	number	glass
design	fine	hair	blue	Emperor	hand	nude	forest	gum	diamond

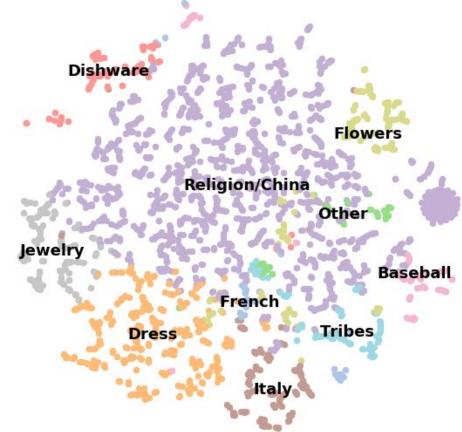


Topics para el MET

vajilla	Natural eza	vestido	francia	Relig. China	Otro	Italia	Indige nas	Baseba II	Joyas
decorate	leaves	long	des	Saint	etching	dark	nature	cards	design
bottom	flowers	wears	fashion	China	haden	renaissan ce	american	issued	gold
plate	stylized	new	et	Dynasty	source	Greece	native	set	jewel
venice	branches	dress	paris	Pope	state	time	cherokee	trade	stone
pattern	thin	woman	modes	Virgin	line	Raphael	horse	company	enamel
cup	nature	hat	dames	life	book	venice	mayan	number	glass
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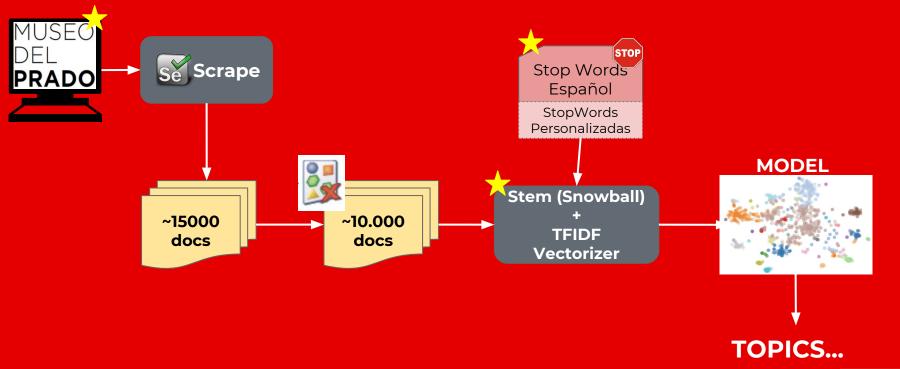
Topics para el MET





Proceso para el Prado

Oleo sobre Lienzo

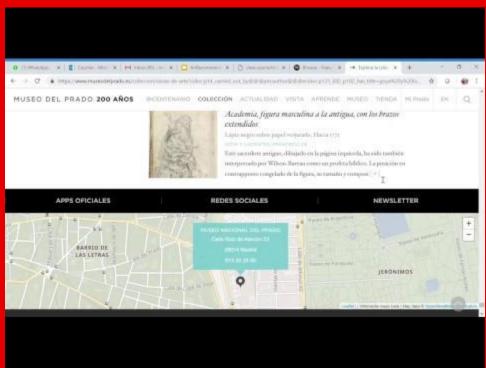




Scraping para el Prado

Oleo sobre Lienzo

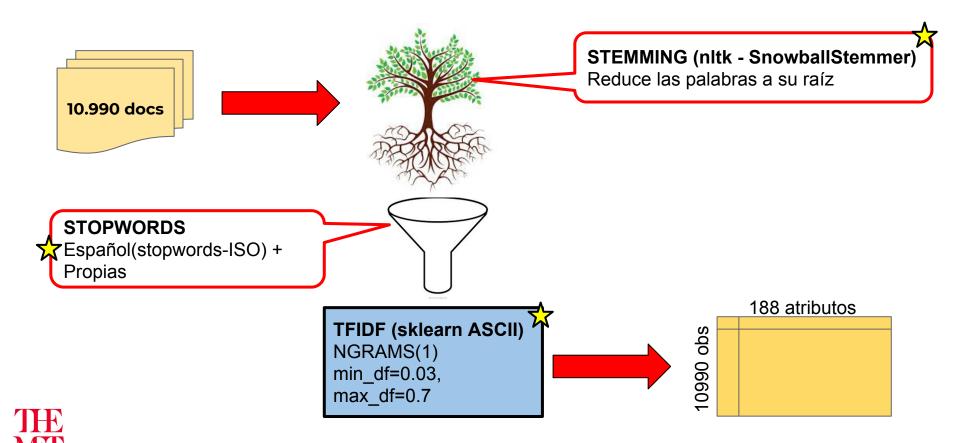
```
chromedriver = "/Users/monita/drivers/chromedriver"
os.environ["webdriver.chrome.driver"] = chromedriver
driver = webdriver.Chrome(chromedriver)
loop counter = 0
driver.get("http://www.museodelprado.es/coleccion/obras-de-arte")
time.sleep(5)
while loop counter < 1000:
   scroll = driver.find element by tag name('body')
   scroll.send keys(Keys.PAGE DOWN)
   time.sleep(2)
   loop counter+=1
url list = []
soup = BeautifulSoup(driver.page source, "html5lib")
lista ref = soup.findAll(class ="presentacion-mosaico")
for r in lista ref :
   url list.append(r.find("a").get('href'))
```







Preparación de Datos para el Prado





Topics para el Prado

0	1	2	3	4	5	7
san	marques	carlos	arnaez	goya	sanchez	rey
virgen	atribucion	gutierrez	cabeza	castillo	perez	felipe
santo	mano	cielo	zaragoza	jose	alfonso	palacio
iglesia	calidad	paisaje	toledo	mariano	mano	espana
juan	sentada	arboles	catedral	salvador	pie	real
santa	nino	nubes	palacio	pluma	desnudo	rubens
cristo	virgen	luz	femenina	francisco	manos	maria
francisco	reverso	paso	manos	negro	angeles	reina
nino	sentado	paisajes	real	mujer	cabeza	orden
retablo	pluma	natural	brazo	forma	sentado	historia



Topics para el Prado

Religión	Retrato	Paisaje	Edificios	Goya	Desnudo	Realeza
san	marques	carlos	arnaez	goya	sanchez	rey
virgen	atribucion	gutierrez	cabeza	castillo	perez	felipe
santo	mano	cielo	zaragoza	jose	alfonso	palacio
iglesia	calidad	paisaje	toledo	mariano	mano	espana
juan	sentada	arboles	catedral	salvador	pie	real
santa	nino	nubes	palacio	pluma	desnudo	rubens
cristo	virgen	luz	femenina	francisco	manos	maria
francisco	reverso	paso	manos	negro	angeles	reina
nino	sentado	paisajes	real	mujer	cabeza	orden
retablo	pluma	natural	brazo	forma	sentado	historia

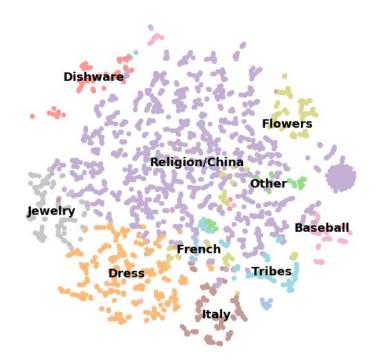
Topic match







Topic match



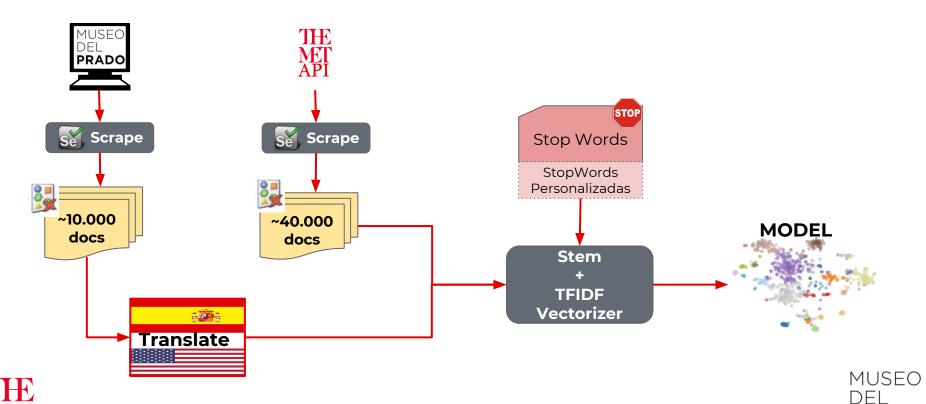






Proceso para Modelo Conjunto

Exhibición Especial

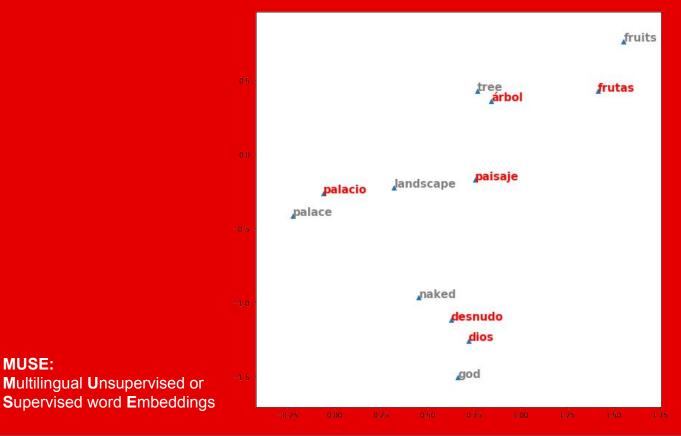


PRADO

Traducción (Word2Vec - MUSE)

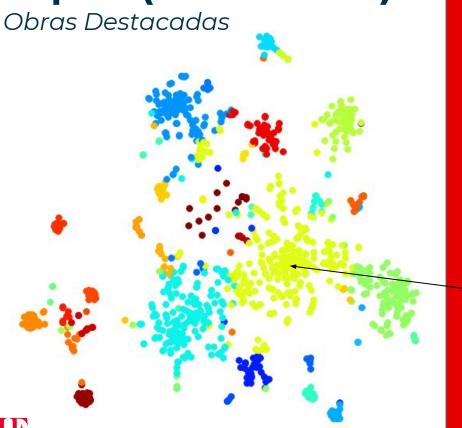
Bienvenido/Welcome

MUSE:





Topics (Sin nombre)



Modelo: TFIDF (sklearn)

NGRAMS(1,2) min_df=0.01, max_df=0.2

Features: 1'140.527

Topics: 37

Ejemplo: (saint), (christ), (virgin), (church), (john), (panel), (saint john), (altarpiece), (child), (hand)



Sistemas de Recomendación

Basado en Contenido

Obras

Productos patrocinados relacionados con este artículo (¿Qué es esto?)



K&F Concept Anillo Luz Selfie con Soporte de Manguera Flexible para móvil para en V...

★★★★ 3 EUR 24.99 ✓ prime



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Bluetooth Auriculares
Estéreo Auriculares
Bluetooth Auricu...

↑↑↑ 2
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Recommender:

- Cosine Similarity
- Content based
- Filter artist

Basado en Usuarios

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★★☆☆☆ 8 EUR 9,99 ✓prime







Women Picking Olives

Vincent Van Gogh (1889)

Pintura MET - Galería 822 (...) solemn tones using blue and gray for the tree foliage" (...) was intended for his sister and mother,

(...) sent a drawing of the olive trees to Gauguin..."

Ceramica

blue dominates..."

Vase

Mary Frances Baker (1906)

MET - Galería 707 (...) her brother William Woodward (...) a combination of blues and gray became her distinctive hallmark (...) features a design of spreading crepe myrtle trees and horizontal banding (...) the foliage has been colored green,



Women picking Olives, 1889



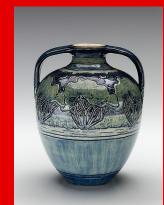
Five-tile frieze, 1906



Chandelier, 1907



Ladies of the Court Hunting, 1889



Vase, 1906



Paisaje (Olivos), 1862





La Maja Desnuda

La Maja Desnuda The Dreamer

Francisco de Goya (1790)

Pablo Picasso (1932)

Pintura

Pintura

Museo del Prado

tendidas en el lecho..."

MET

(...) posee aire sensual toma como musa la diosa de la fertilidad Venus tendida sobre el lecho. (...)
"Una mujer desnuda de Goya pero sin gracia en el colorido (...) leyenda de una amante de Goya como la duquesa (...) en esos años, con jovenes

(...) the subject of this sensuous painting (...) he became his lover and muse soon after. While the young, naked, female form was not new (...) saturated, coloful, used to depict Marie-Thérèse (...) presents her lying figure as something resembling an ancient fertility object...."









La Maja Desnuda

The Dreamer

Pablo Picasso (1932)

Francisco de Goya (1790)

Pintura

Pintura

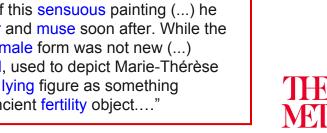
en el lecho..."

Museo del Prado

(...) posee aire sensuous toma como muse la diosa de la **fertility** Venus **lying** sobre el lecho (...) "Una woman naked de Goya pero sin gracia en el colorful (...) leyenda de una lover de Goya como la duquesa (...) en esos años, con young tendidas

MET (...) the subject of this sensuous painting (...) he became his lover and muse soon after. While the young, naked, female form was not new (...) saturated, coloful, used to depict Marie-Thérèse (...) presents her lying figure as something resembling an ancient fertility object...."

MUSEO **PRADO**







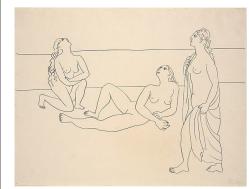
The Dreamer, 1932



The Death of Socrates, 1786



Viejo desnudo al Sol, 1871



Three Bathers by the Shore, 1920



Nude Standing by the Sea, 1929



Siguientes Pasos

Próximas Exposiciones

- App Móvil (Búsqueda por título, artista, museo, ubicación geográfica)
- Agregar más museos y más idiomas al dataset
- Análisis, no solo por texto, sino por i magen (Donde Derechos de Autor lo permitan)
- Experimentar con nuevas herramientas Word2Vec y de manejo de diferentes idiomas







El Museo cierra a las 5pm Please come again tomorrow!

Gracias!

