



RIJKSVIZ

LES
ARTISTES JOHN HWONG | KATE McMANUS | PIERRE AMELOT



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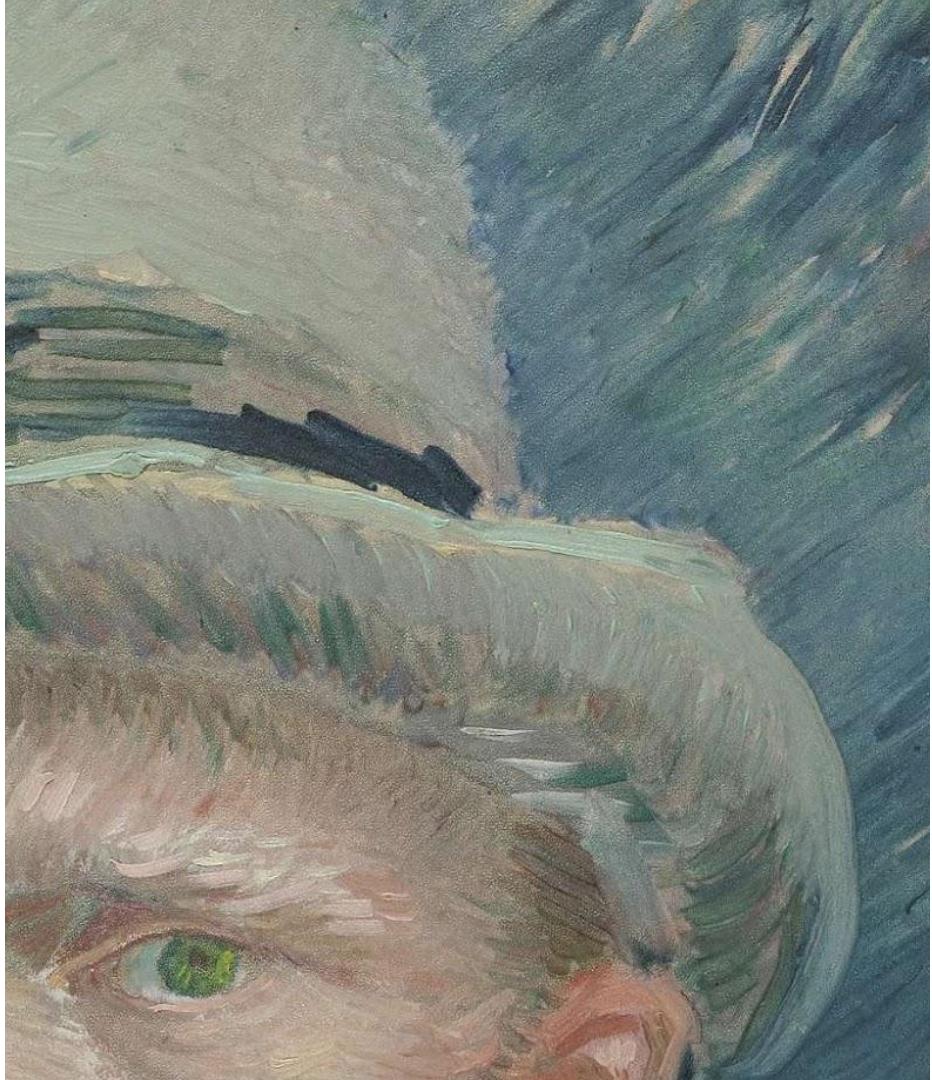
BACKGROUND AND MOTIVATION

PROJECT OBJECTIVES

DATA PROCESSING

VISUALIZATION DESIGN

FINAL



BACKGROUND AND MOTIVATION

ART IS OF IMMEASURABLE CULTURAL VALUE TO SOCIETY. WE ARE INSPIRED BY THE RECENT TREND OF THE DIGITIZATION OF ART, SPEARHEADED BY SUCH INITIATIVES SUCH AS GOOGLE ARTS AND CULTURE, AND HOPE TO UTILIZE THIS NEWFOUND INFORMATION TO DREAM UP NOVEL VISUALIZATIONS FOR A MODERN AUDIENCE.



FURTHERMORE, THERE HAVE BEEN RECENT ATTACKS ON THE INSTITUTION OF ART, EVIDENCED BY THE PROPOSED WHOLESALE DEPRECIATION OF FUNDING TO THE NATIONAL ENDOWMENT FOR THE ARTS AND HUMANITIES, AND OTHER SIMILAR ORGANIZATIONS, BY PRESIDENT TRUMP.

PROJECT OBJECTIVES

- WHAT DOES A COLLECTION OF PAINTINGS TELLS US ABOUT THE MUSEUM?
- WHAT DOES THE AGGREGATION OF METADATA ABOUT PAINTINGS TELLS US ABOUT THE WHOLE COLLECTION?
- CAN DATA FROM PAINTINGS OF ONE SPECIFIC PAINTER TELL US SOMETHING ABOUT THIS PAINTER'S LIFE AND STYLE?
- IS THERE A WAY TO EXPLORE A COLLECTION IN A MORE CREATIVE AND INTERACTIVE WAY THAN ANYTHING THAT HAS BEEN DONE PREVIOUSLY?
- CAN THESE VISUALIZATIONS PROVIDE VALUE TO A USER BEFORE THEIR VISIT OR EVEN AN INCENTIVE FOR USERS TO VISIT WHO HAD NOT ORIGINALLY INTENDED TO?
- CAN THESE VISUALIZATIONS ADD VALUE TO A USER'S MUSEUM EXPERIENCE EITHER DURING OR AFTER THEIR VISIT?

INTENDED AUDIENCE: CASUAL ART-GOERS WHO MAY BE INTERESTED IN THE RIJKS PAINTING COLLECTION

RIJKS MUSEUM

3 1900–1950
2 1650–1700
1 1800–1900
0 1100–1600



Asian Pavilion

1950–2000
1600–1650
1700–1800
Special Collections

MUSEUMPLEIN



Teekenschool
Education Centre

DATA

WE ARE USING THE RIJKSMUSEUM API
([HTTPS://WWW.RIJKSMUSEUM.NL/EN/API](https://www.rijksmuseum.nl/en/api)). THIS JSON-BASED SERVICE PROVIDES US WITH ACCESS TO NEARLY 600,000 UNIQUE ART PIECES AND THEIR CHARACTERISTICS INCLUDING, BUT NOT LIMITED TO:

- DIMENSIONS
- MATERIALS
- ARTIST
- DATE CREATED
- STYLE

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Militia Company of District II under the Command of Captain Frans Banninck Cocq, Known as the 'Night Watch'

Rembrandt Harmensz van Rijn (1606–1669), oil on canvas, 1642



Resolution: 2500 x 2034 Offset% X: 50, Offset% Y: 100

Colors



Colors w/ Normalization



Normalized 32 Colors



Normalized Colors



Painter

Name

Rembrandt Harmensz. van Rijn

Birth

1606-07-15
Leiden

Death

1669-10-08
Amsterdam

Nationality

Noord-Nederland

Production Places

- Amsterdam

Painting

ID

SK-C-5

Types

- painting

Date

1642 - 1642

Materials

- canvas
- oil paint (paint)

Physical Medium

oil on canvas

Dimensions

height: 379.5 cm
width: 453.5 cm
weight: 337 kg
weight: 170 kg

Occupations

- print maker
- draughtsman
- painter

Roles

- painter

Production Places

- Amsterdam

Acquisition

On loan from the City of Amsterdam
December 1807
null

Tags

- warfare; military affairs (+ citizen
soldier, civil guard, citizen militia)

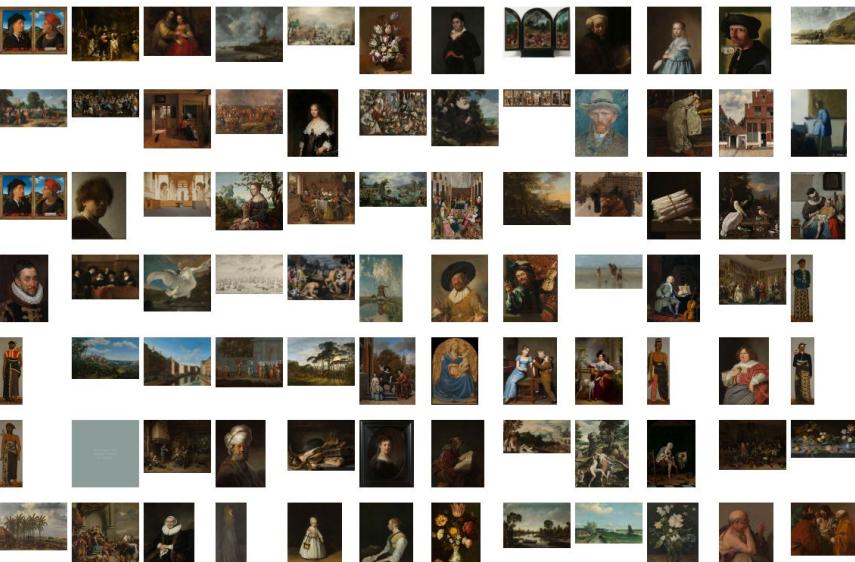
DATA PROCESSING

THE PRIMARY CHALLENGE WITH THE DATA WAS THE SHEER AMOUNT AVAILABLE TO US. WE WERE ABLE TO BETTER ORGANIZE THE TREASURE TROVE OF INFORMATION BY BUILDING INTERMEDIARY TOOLS IN WHICH WE CAN EXTRACT COLOR, SEARCH, AND DISPLAY IMPORTANT DETAILS FROM THE MUSEUM'S ENTIRE COLLECTION OF ART.

DATA PROCESSING (CONT'D)

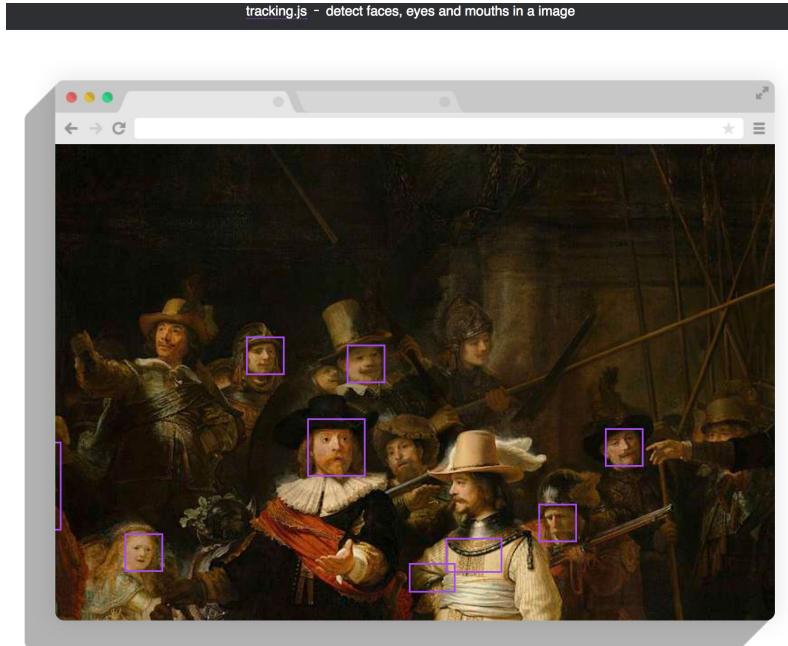
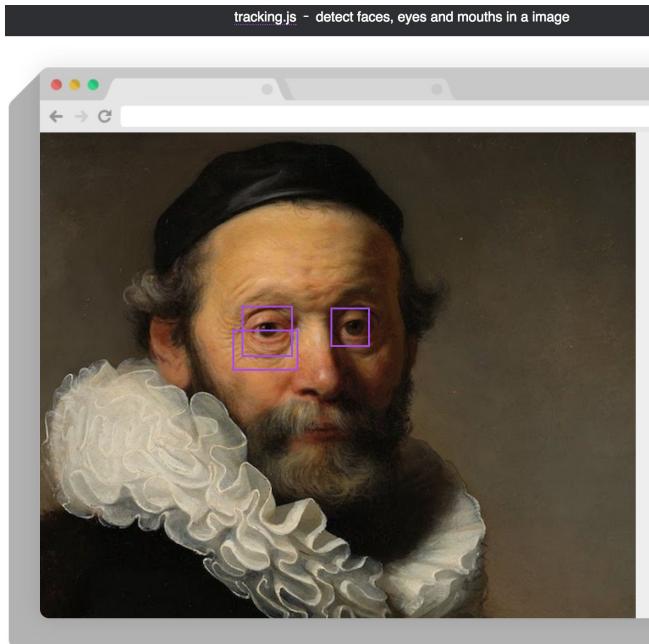
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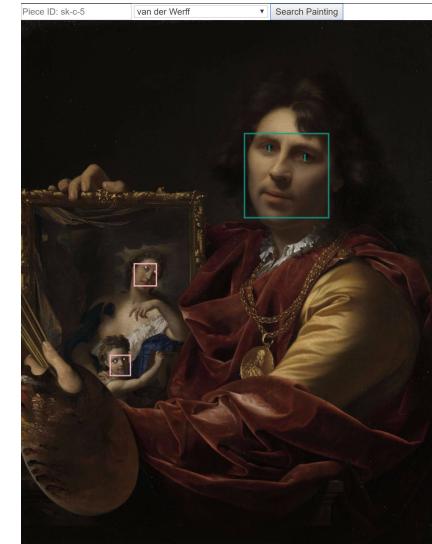


Painter	Painting
Name	ID SK-C-5 Rembrandt Harmensz. van Rijn
Birth	Types - painting 1606-07-15 Leiden
Death	Date 1642 - 1642 1669-10-08 Amsterdam
Nationality	Materials - canvas - oil paint (paint) Noord-Nederland
Production Places	Physical Medium oil on canvas - Amsterdam
Occupations	Dimensions height: 379.5 cm width: 453.5 cm weight: 337 kg print maker draughtsman painter
Roles	Production Places - painter - Amsterdam
	Acquisition On loan from the City of Amsterdam December 1807

TECHNOLOGY - FACIAL RECOGNITION



TECHNOLOGY - FACIAL RECOGNITION (CONT'D)

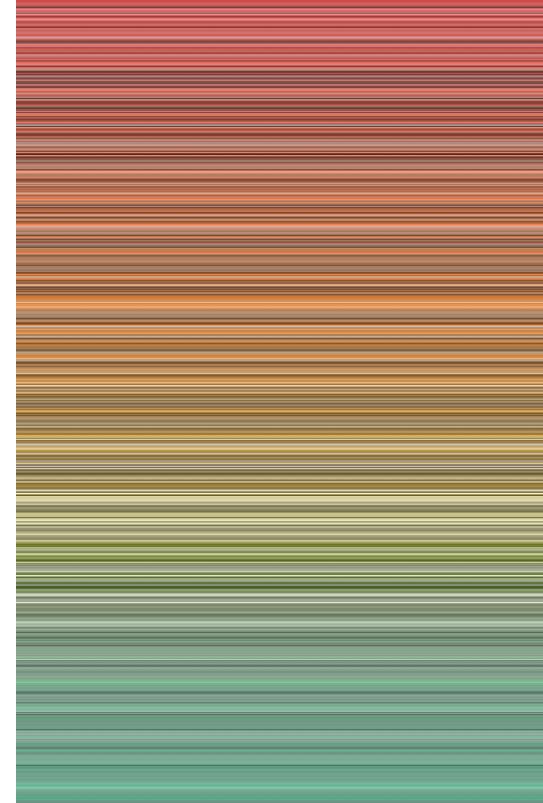


DATA PROCESSING (CONT'D)



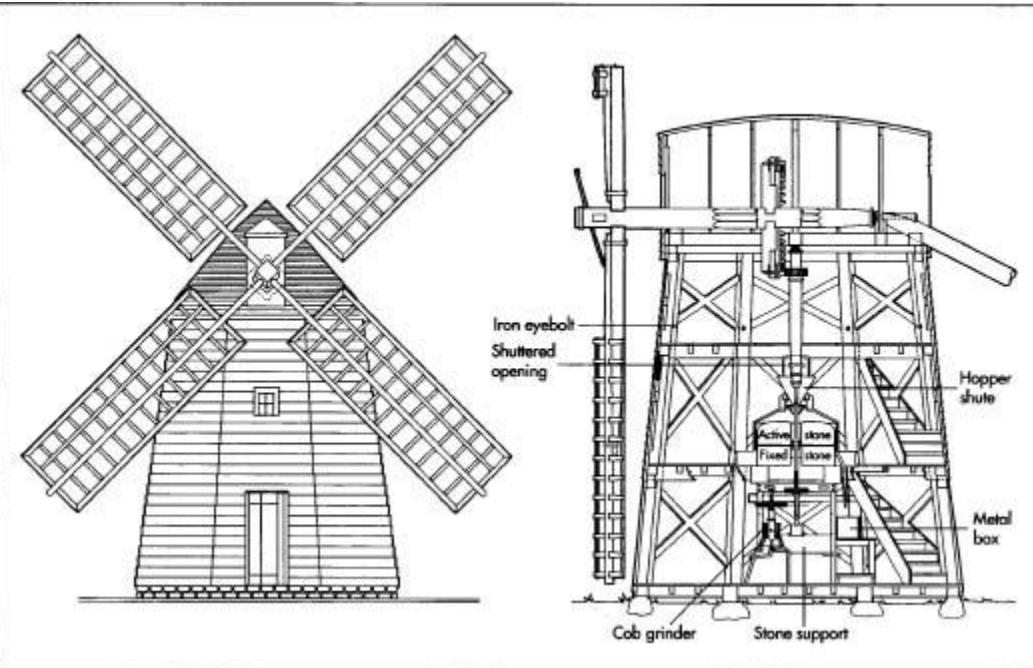
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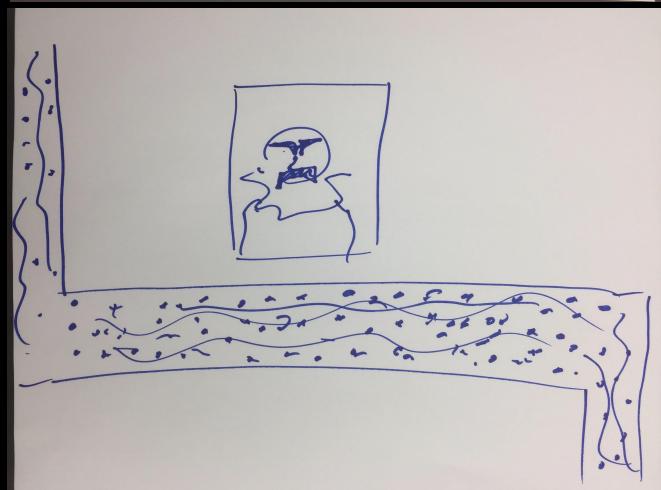
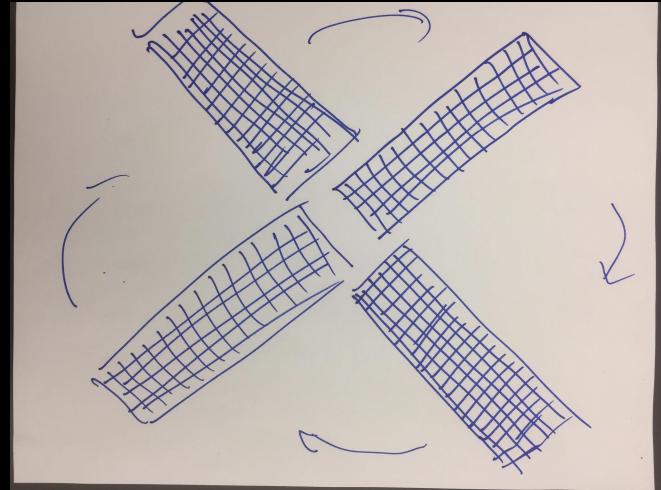
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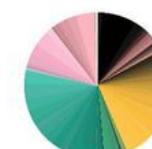
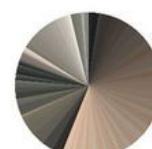
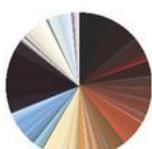
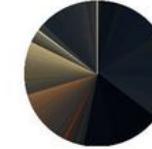
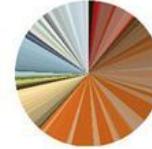
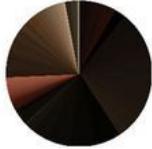
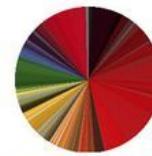
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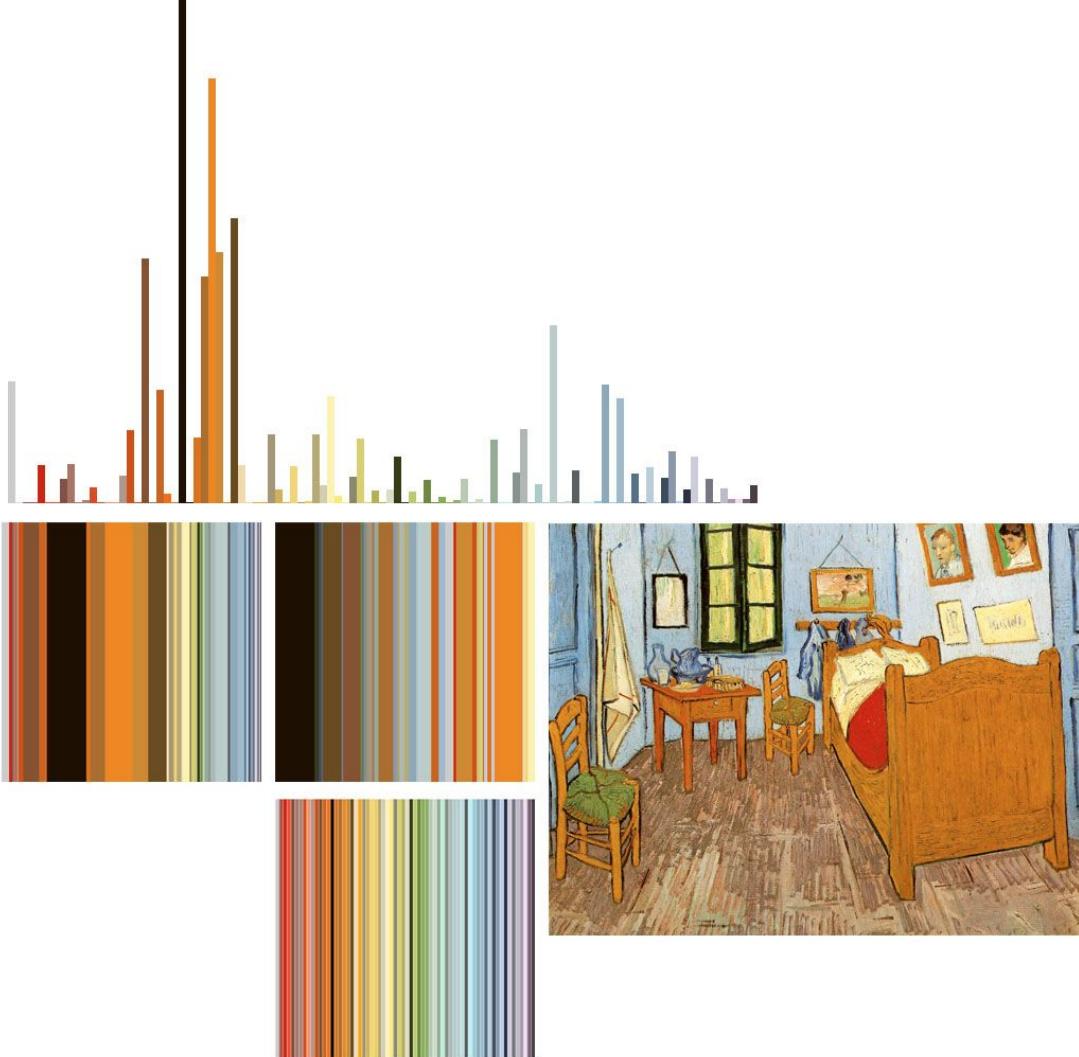


VISUAL DESIGN (CONT'D)

...HELP INFORM OUR POTENTIAL VISUALIZATIONS





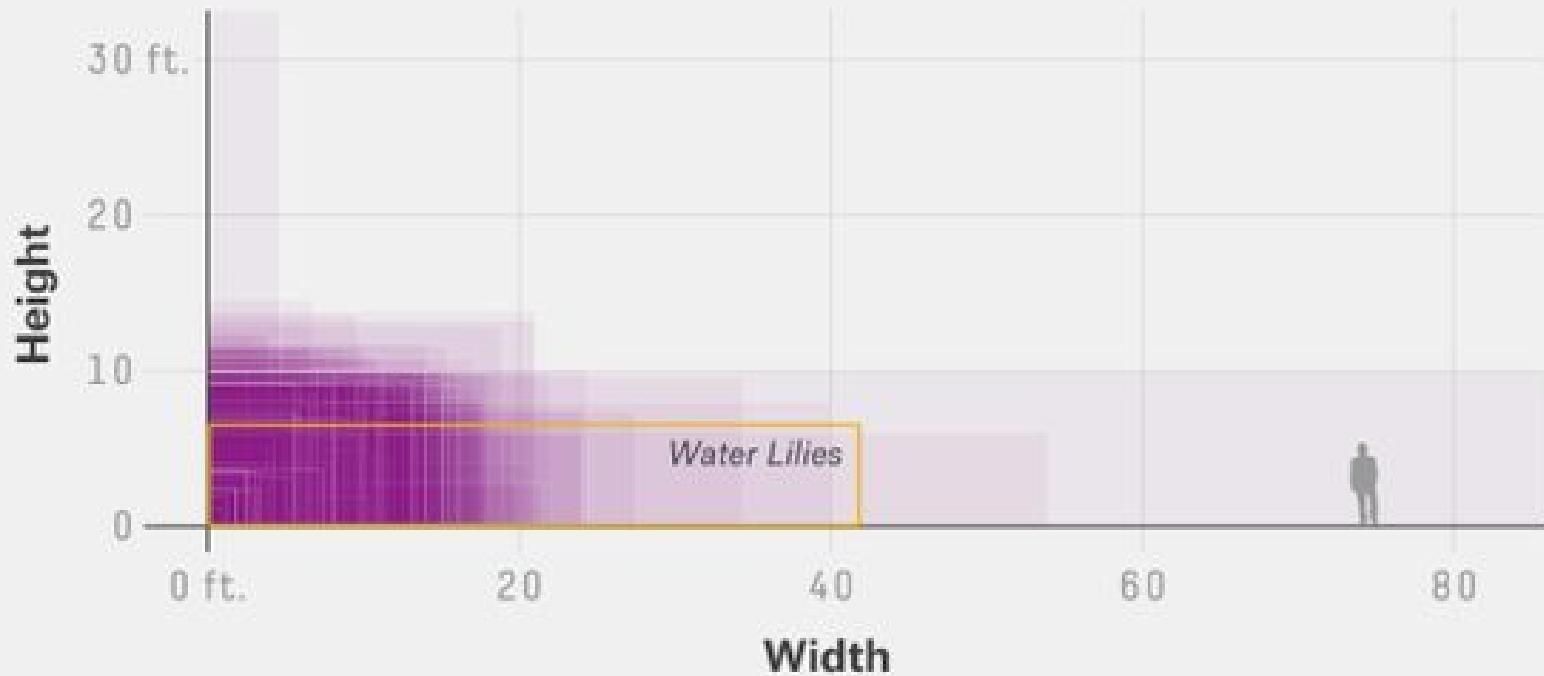


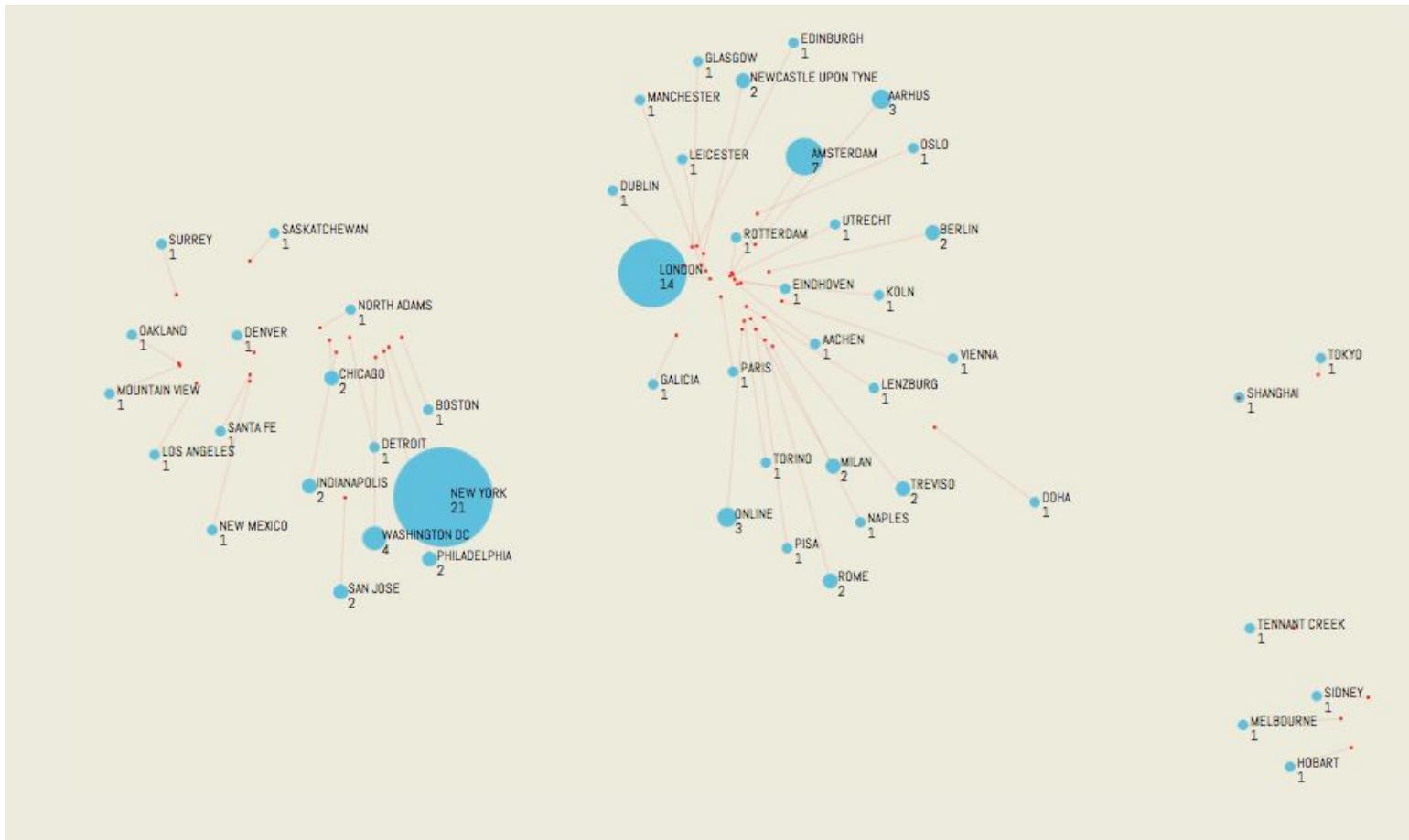
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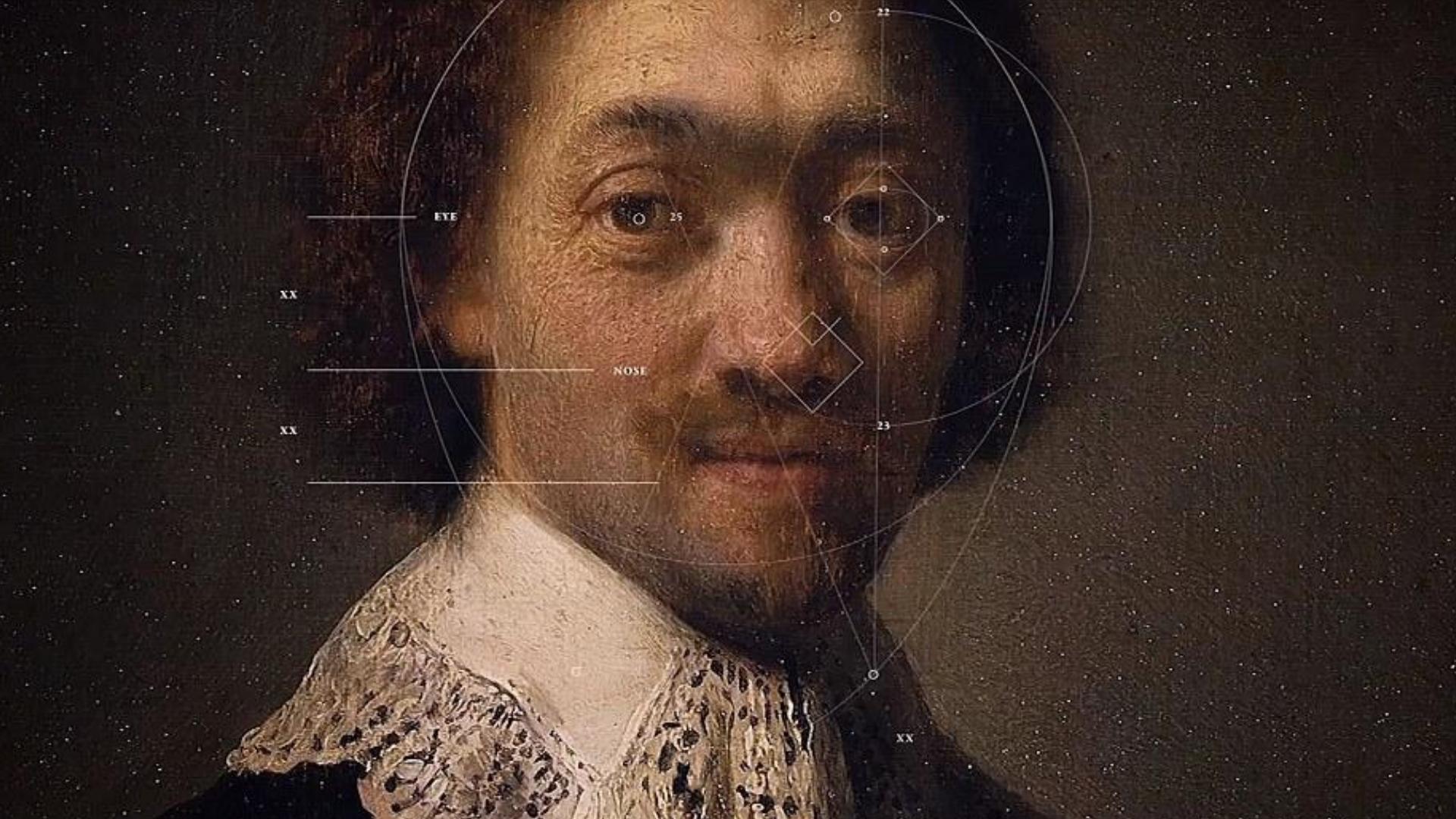




Every MoMA Painting By Size







EYE

25

XX

NOSE

XX

XX

22

23



