

Исследование городской и культурной динамики с помощью социальных сетей

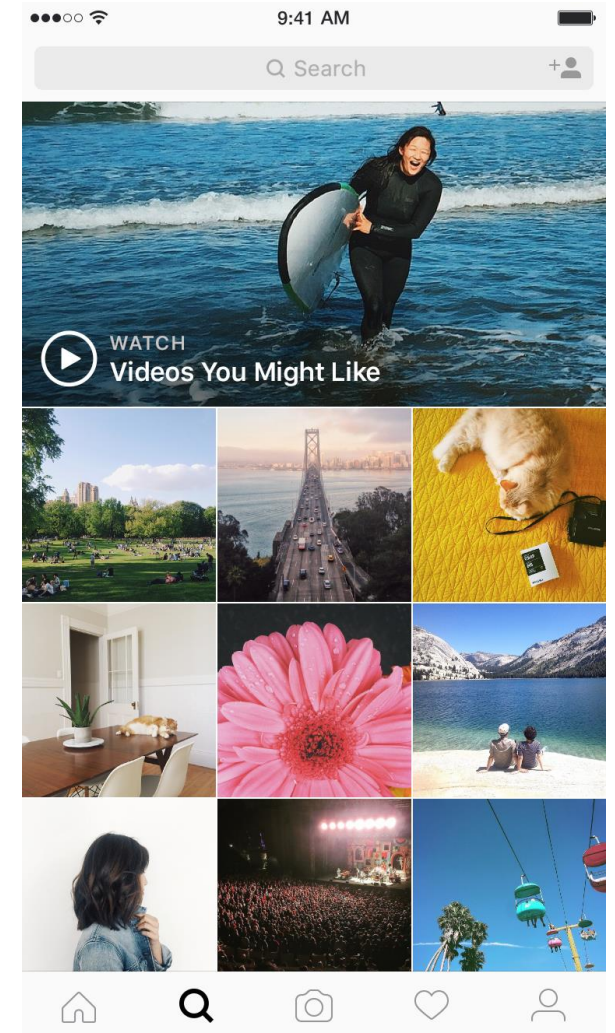
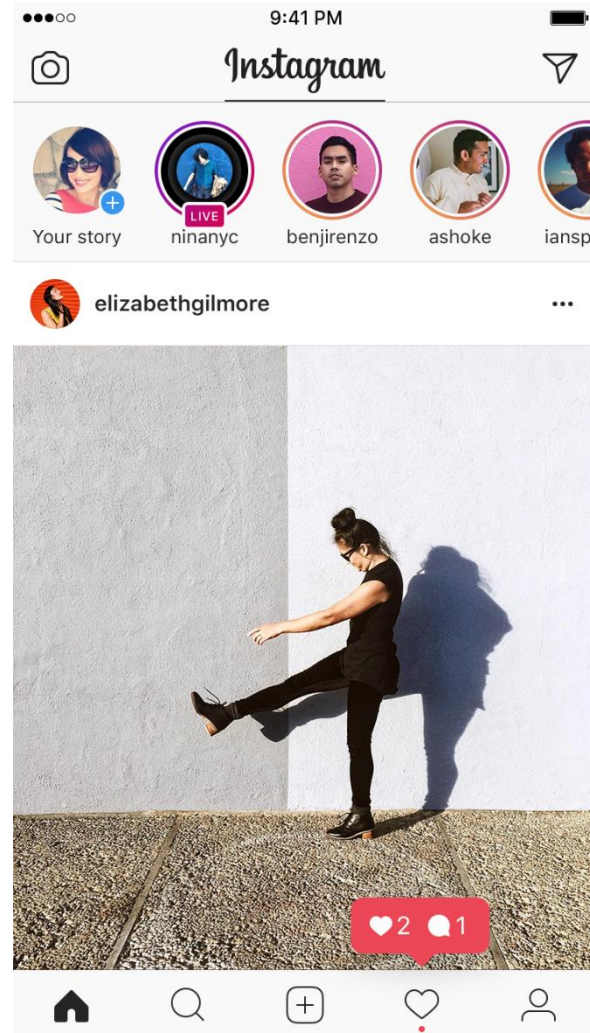
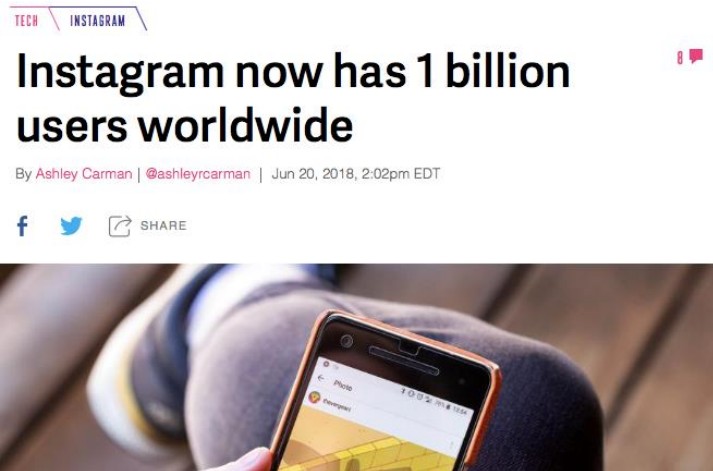
Ksenia Mukhina

Senior Research Fellow at CUDAN Open Lab
School of Digital Technologies, Tallinn University

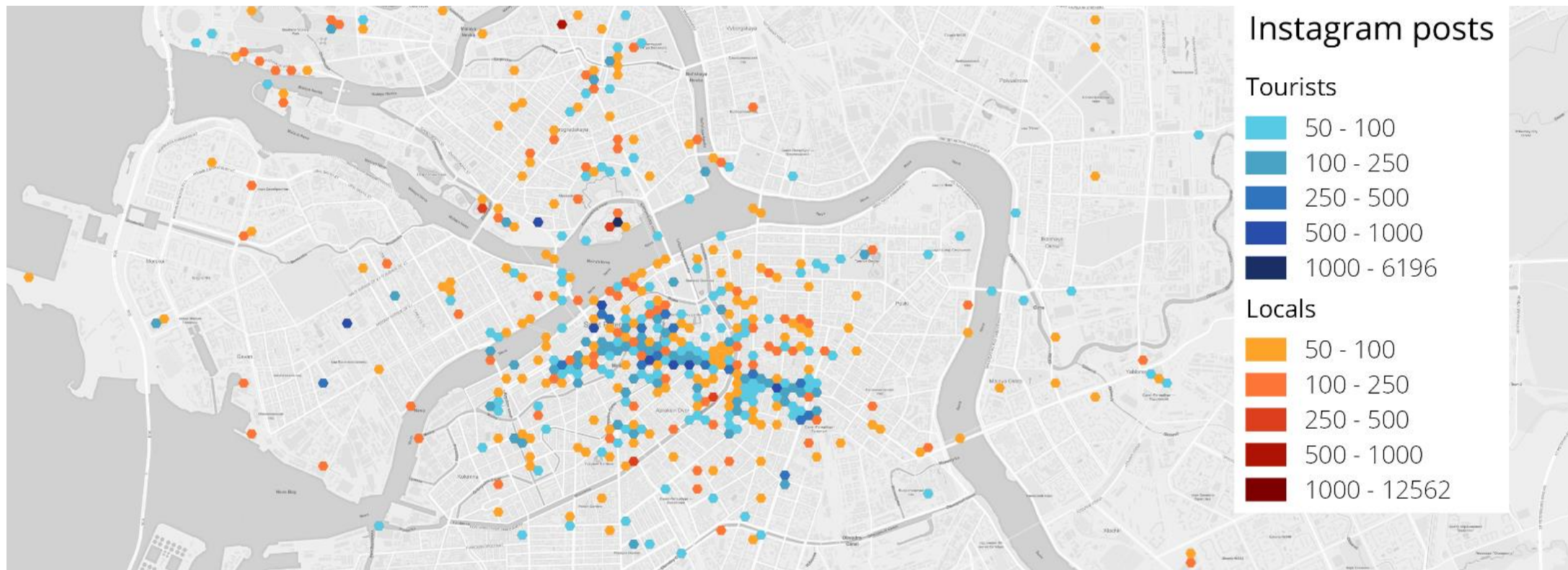
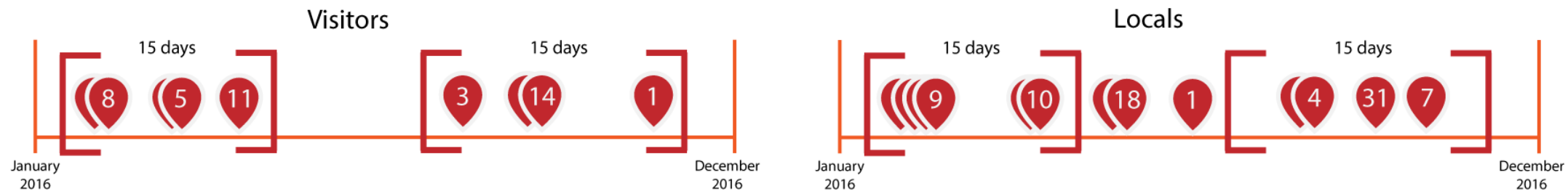
Instagram

Metadata:

- Photo / video
- Likes & comments
- Caption
- Timestamp
- Location: name, coordinates

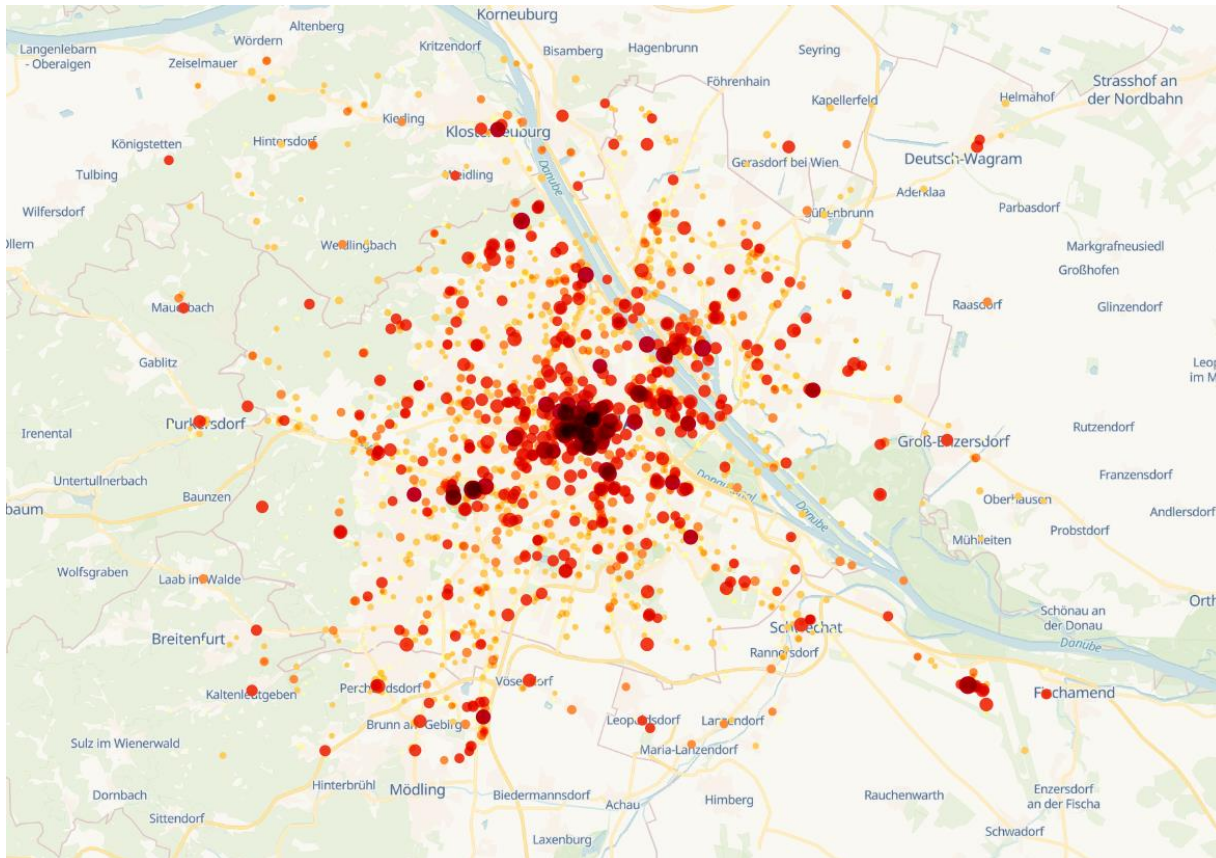


Идентификация туристов

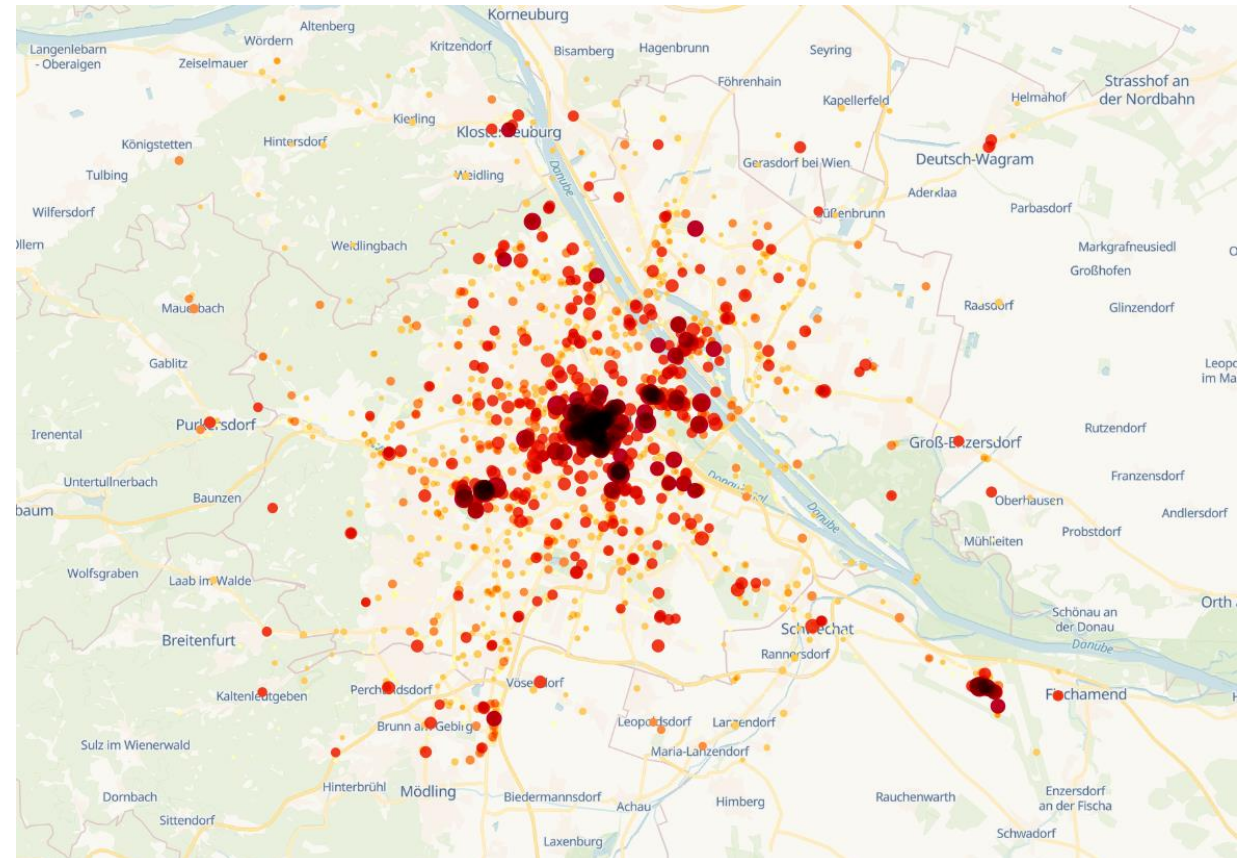


Вена - 2019

Locals

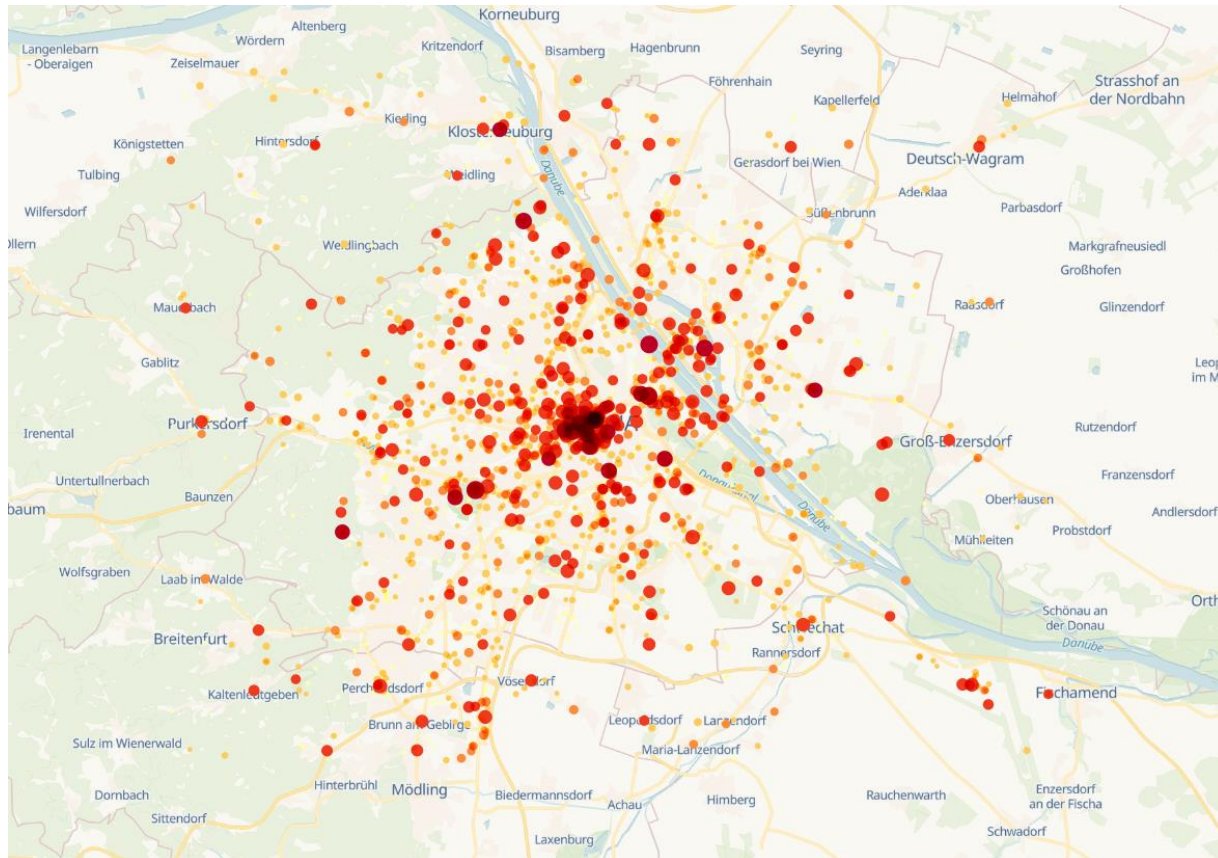


Tourists

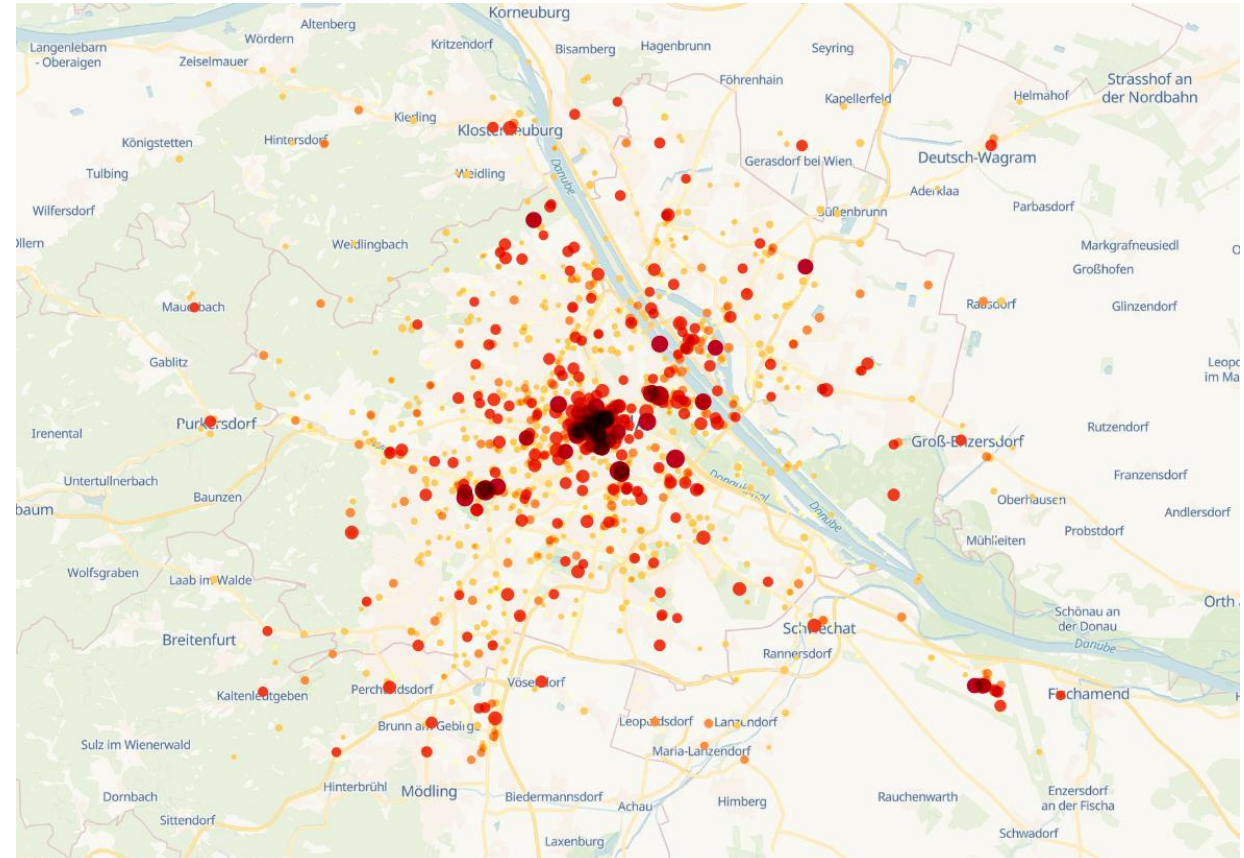


Вена - 2020

Locals

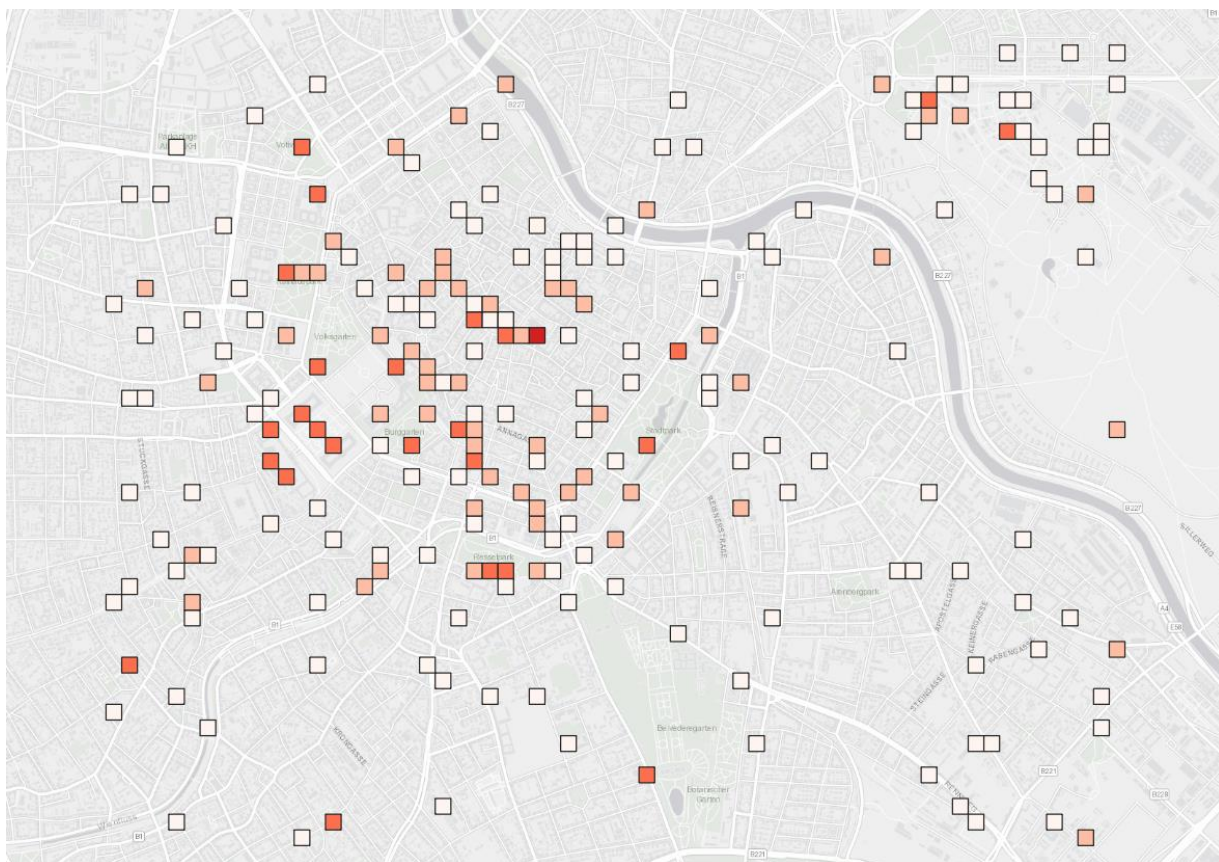


Tourists

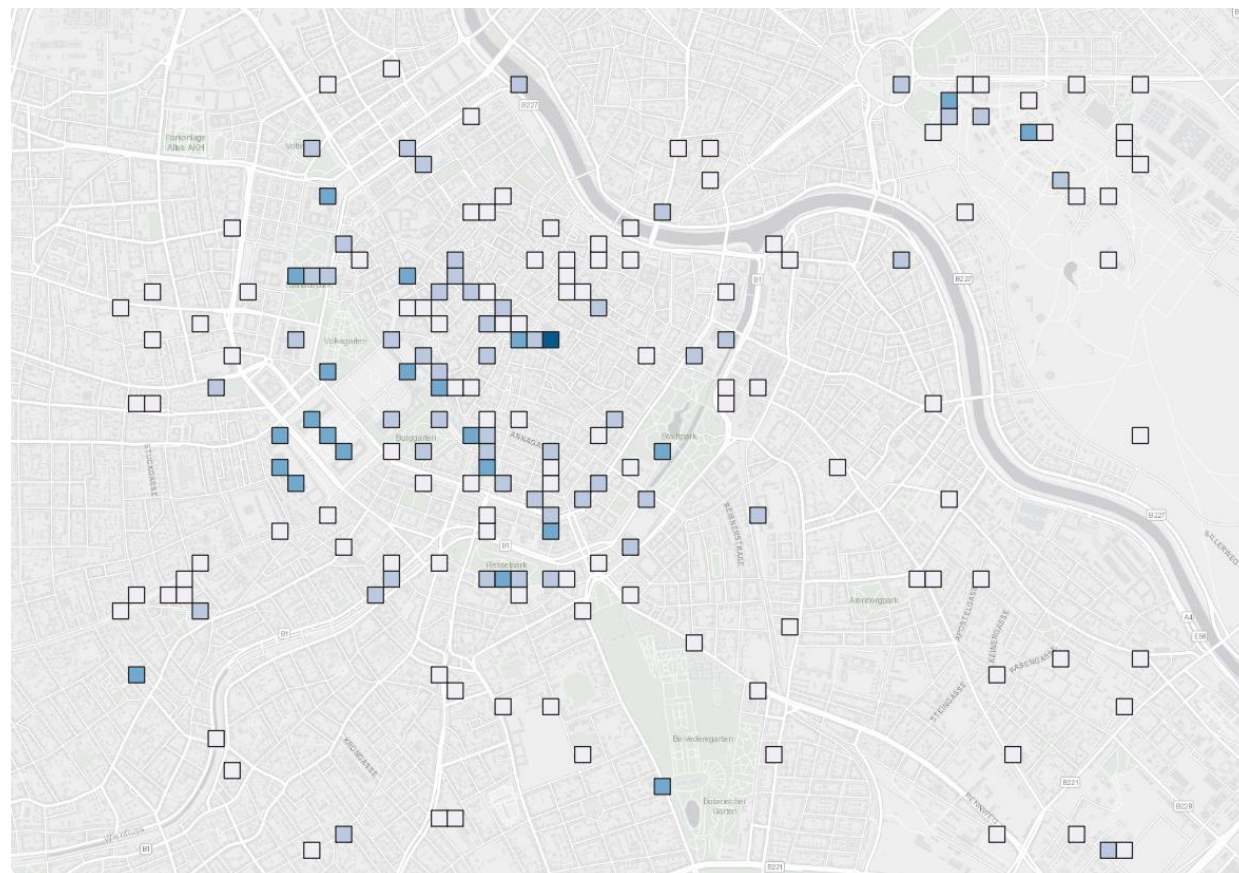


Вена - 2021

Locals



Tourists



MoMA

The Museum of Modern Art

1st January 2017

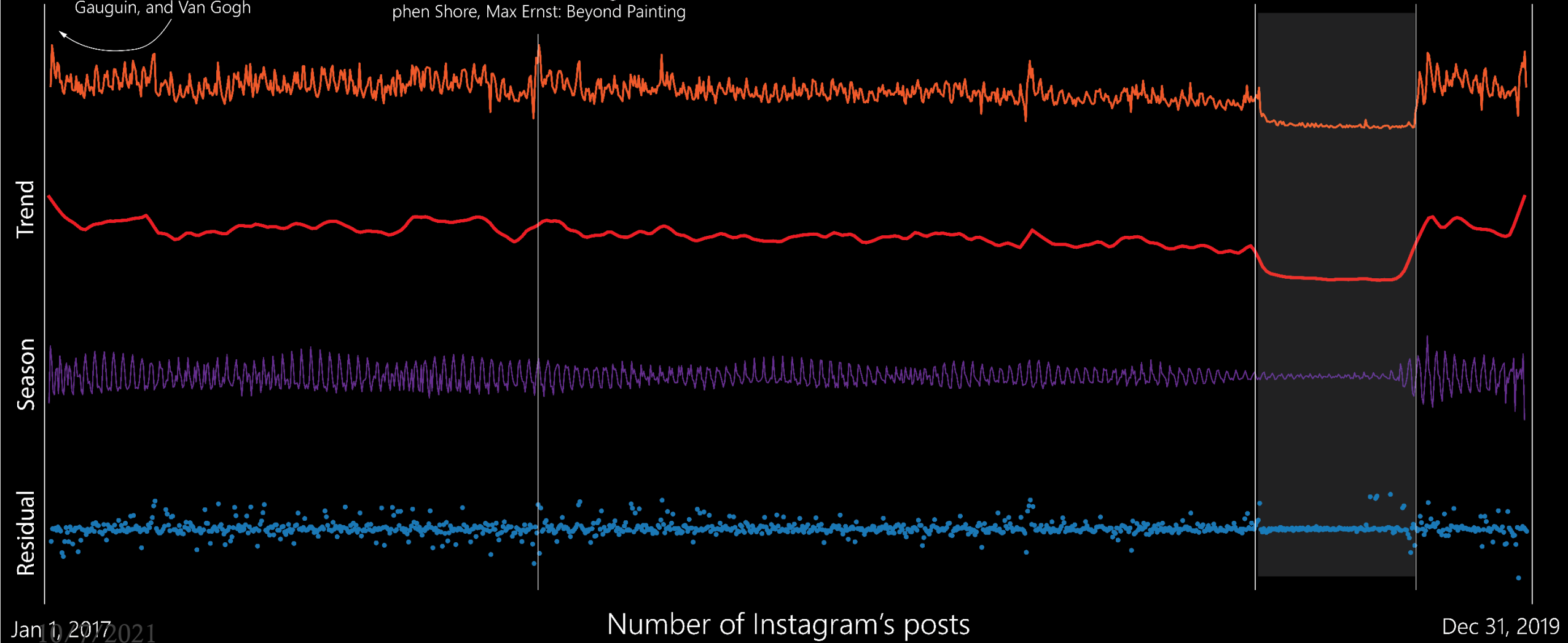
Evening Tour: Cézanne, Gauguin, and Van Gogh

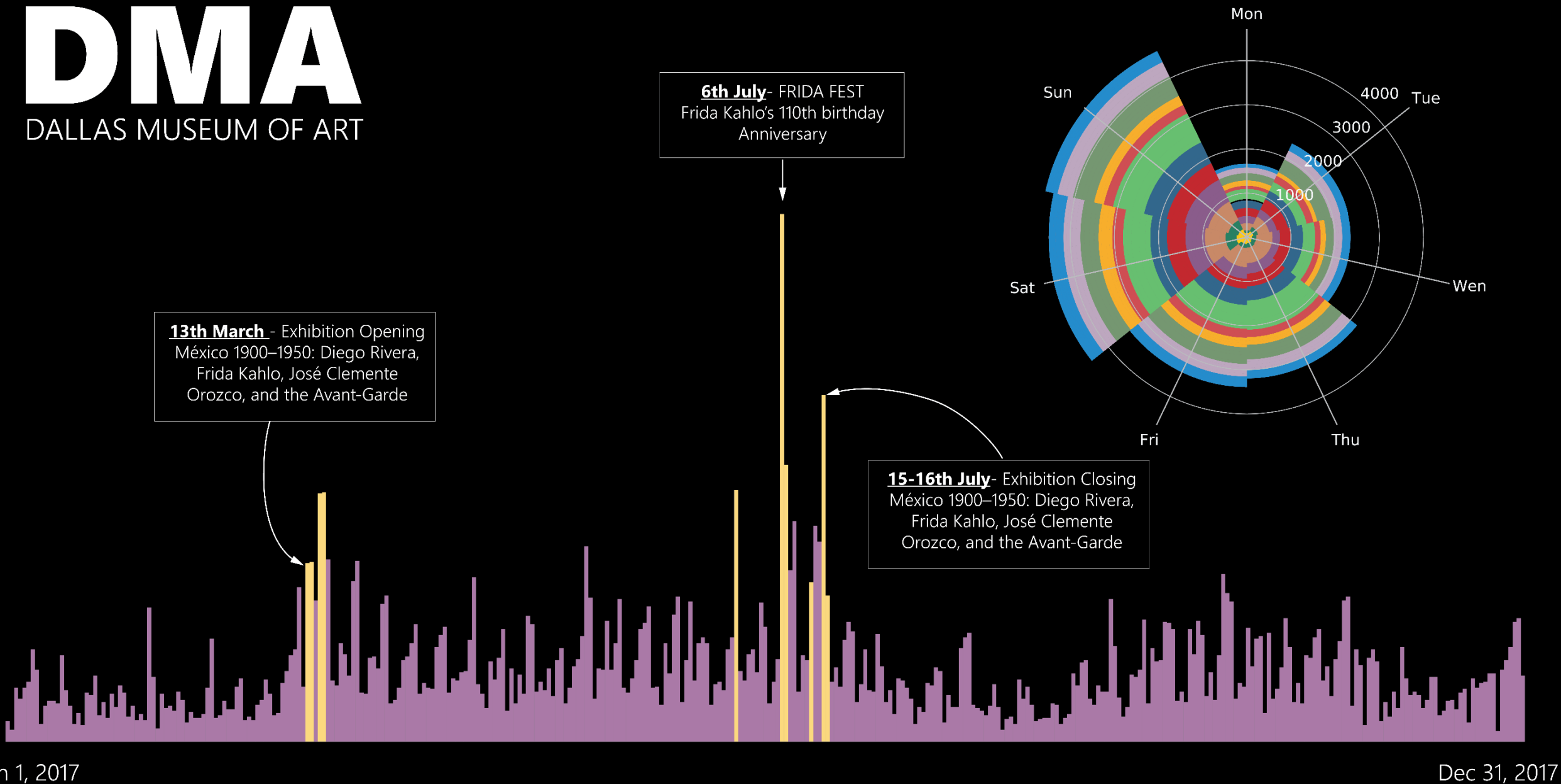
27th December 2017

Member After Hours: The Long Run, Stephen Shore, Max Ernst: Beyond Painting

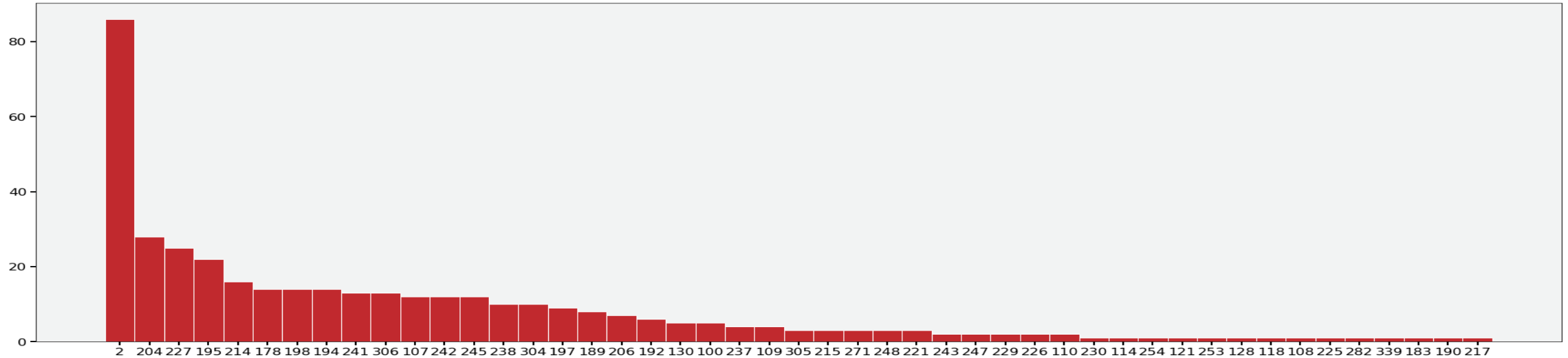
15th June - 21st October 2019

MoMA Expansion
Museum closed





Что смотрят в Эрмитаже?



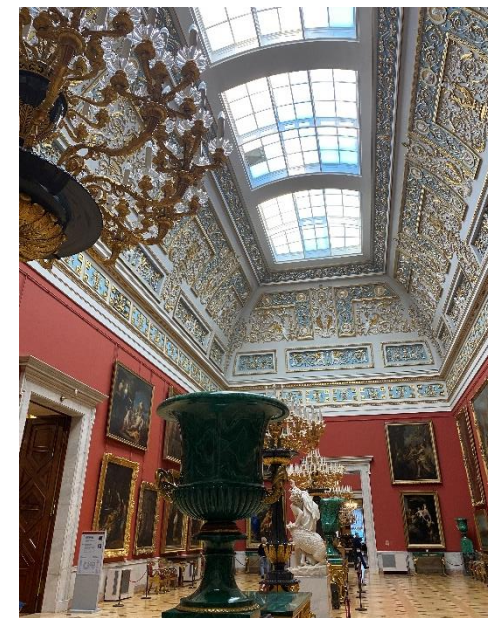
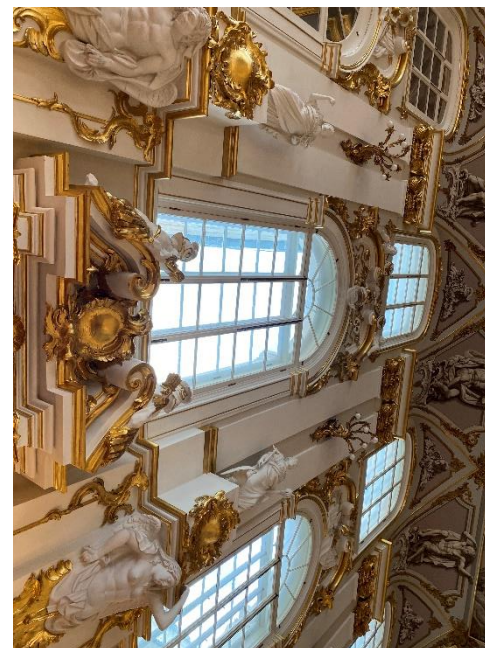
Random sample: 460 images

- Самое популярное место Иорданская лестница - 86 photos
- Да Винчи - 16 photos (5th place)
- Зал Юпитера - 12 photos (11th place)

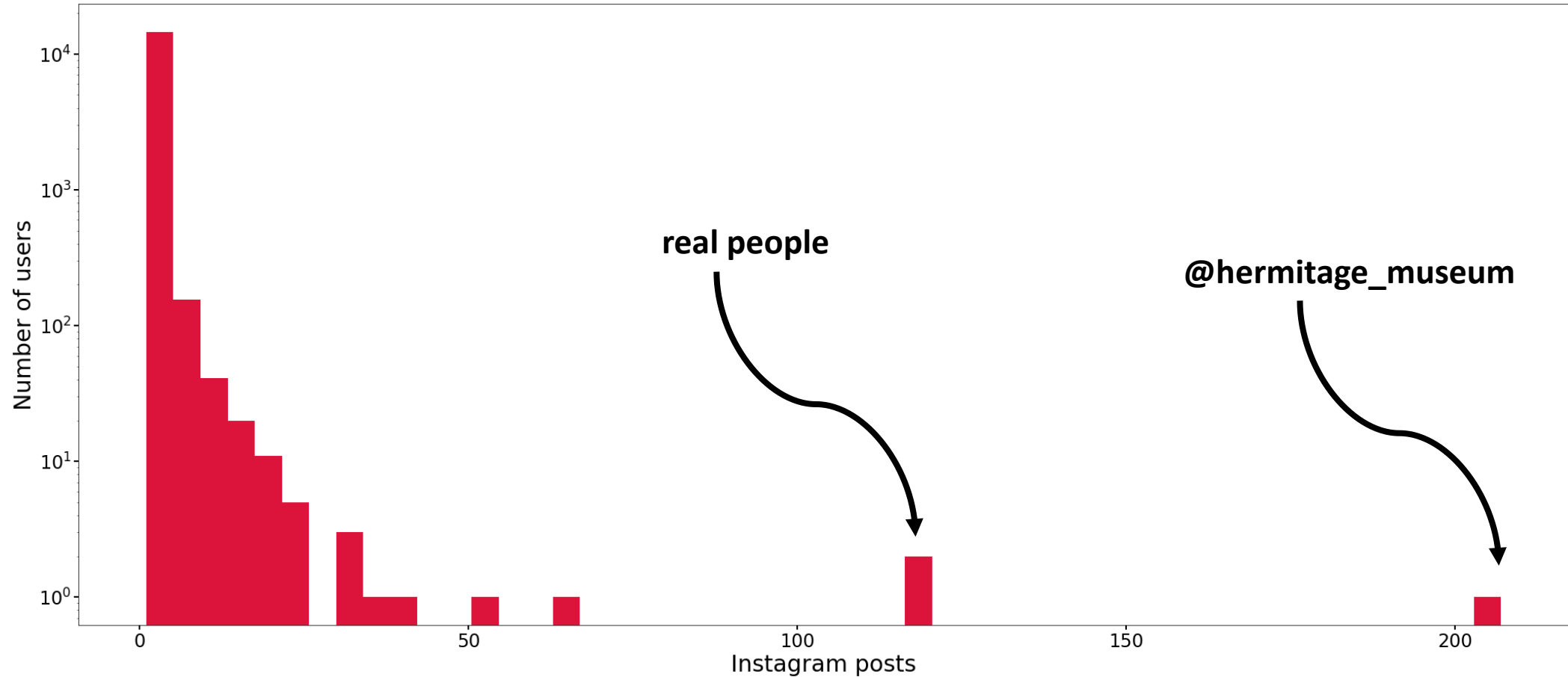
Определение залов

Accuracy: 0.717949

Title	Duration	Short description
State Hermitage Museum Tour - St Petersburg Russia	637	Walking tour
Saint Petersburg - Walking Hermitage - Russia / Санкт-Петербург 4K	4725	Walking tour
Эрмитаж. Экскурсия по музею.	4098	Walking tour
Hermitage Museum walking tour 4k 60fps - Saint Petersburg, Russia	2907	Walking tour
12 HOURS IN THE WINTER PALACE + HERMITAGE MUSEUM Saint Petersburg, Russia	693	Walking tour



Число постов от пользователя



Восстановление траекторий

14,763 уникальных
пользователей

- Выбраны пользователи с 5 и более фотографиями



Пример траектории





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@mukhinaks at Twitter | Telegram

Relevant publications:

1. [Spatiotemporal Filtering Pipeline for Efficient Social Networks Data Processing Algorithms](#)
2. [Detection of tourists attraction points using Instagram profiles](#)
3. [Orienteering Problem with Functional Profits for multi-source dynamic path construction](#)
4. [Multiscale event detection using convolutional quadtrees and adaptive geogrids](#)
5. [Forecasting of the Urban Area State Using Convolutional Neural Networks](#)

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[Research Gate](#) | [Google Scholar](#) | [Scopus](#)



TALLINN UNIVERSITY



European
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