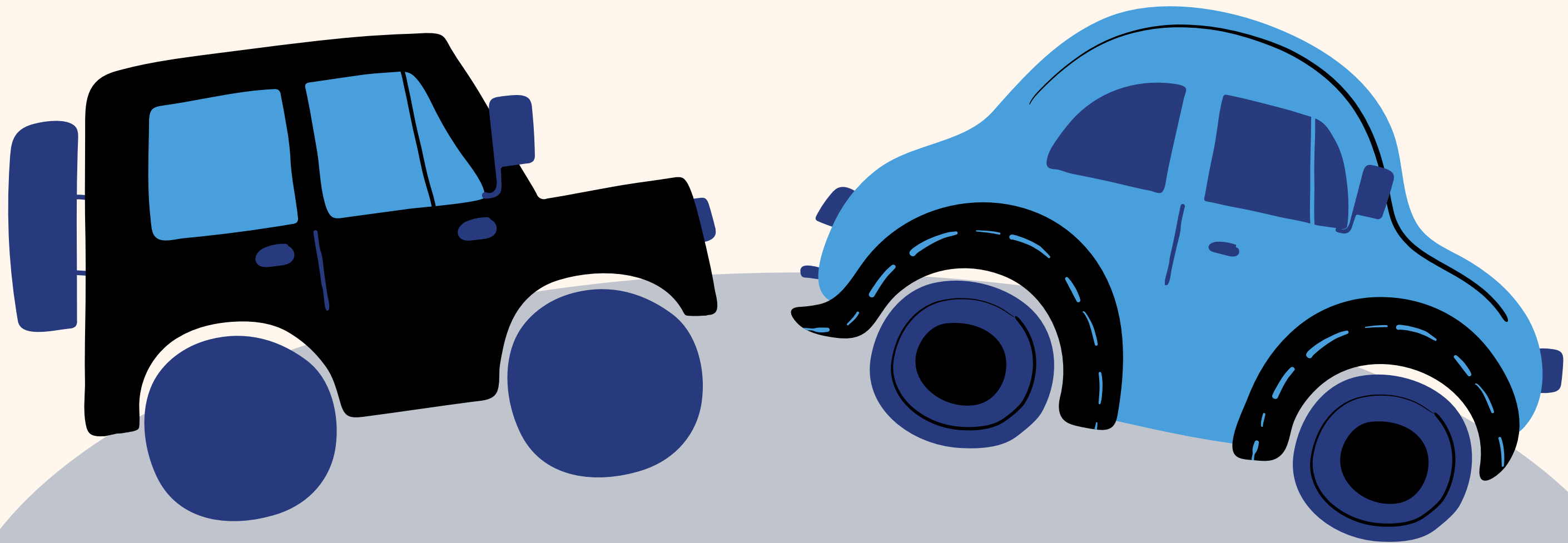


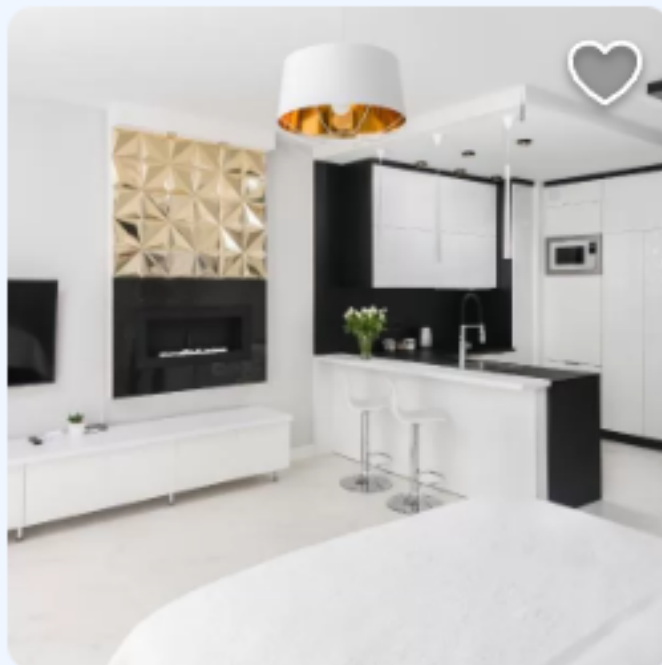
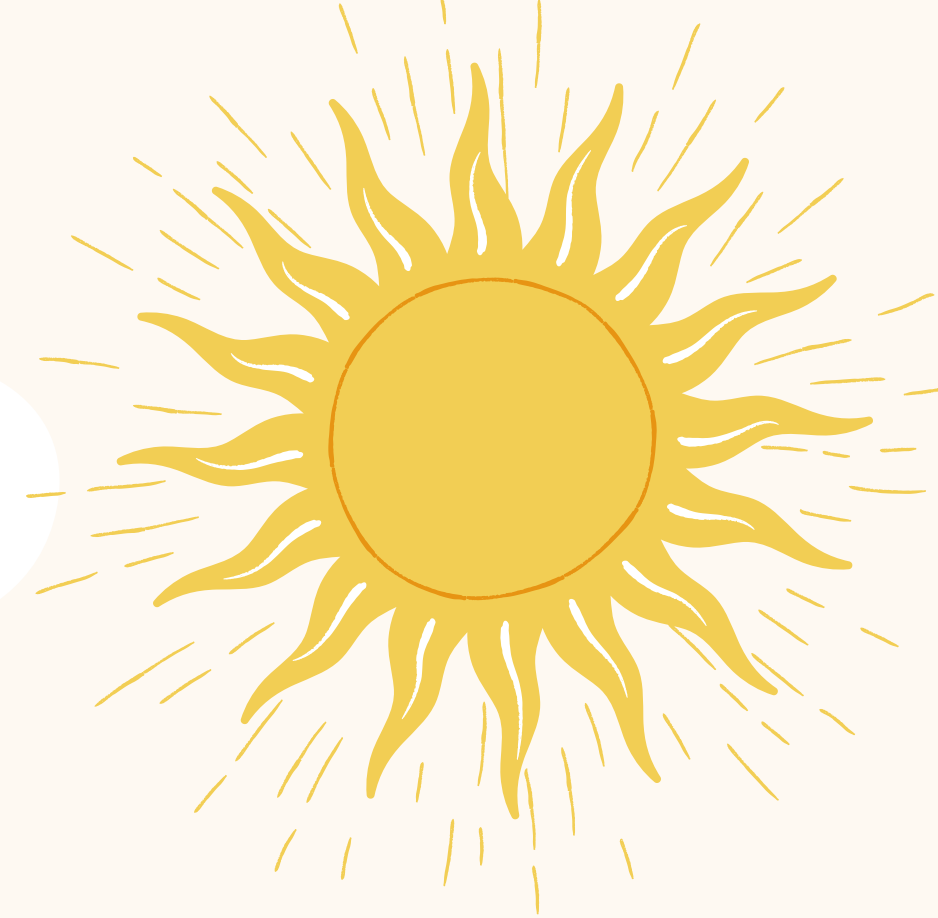
TRAVELER'S CHOICE: ANALYSIS OF BOOKING.COM DATA



INTRODUCTION



Booking.com



Dream4You Apartments Featured

[Śródmieście, Wrocław](#) · [Show on map](#) · 0.5 km from center

Apartment

Entire apartment • 1 bedroom • 1 bathroom • 1 kitchen • 36m²
2 beds (1 sofa bed, 1 queen)

Only 3 left at this price on our site

Excellent **8.8**
6,519 reviews

Location 9.6

5 nights, 1 adult

1,120 zł

Includes taxes and fees

[See availability >](#)

8.8 Excellent · 6,520 reviews [Read all reviews](#)

Categories:

Staff 8.8



Facilities 8.8



Cleanliness 8.9



Comfort 8.9



Value for money 8.8



Location 9.6



Free WiFi 9.0



- Balcony
- Terrace
- Private parking
- Free WiFi
- Elevator
- Air conditioning
- Soundproof rooms
- Heating
- 24-hour security
- Bar crawls

Parking

Private parking is available on site (reservation is needed) and costs 40 zł per day.

- ✓ Parking garage
- ✓ Accessible parking

Internet

WiFi is available in the rooms and is free of charge.

Kitchen

- ✓ Cleaning products

Media & Technology

- ✓ Flat-screen TV
- ✓ TV

Room Amenities

- ✓ Socket near the bed
- ✓ Drying rack for clothing
- ✓ Clothes rack
- ✓ Hypoallergenic
- ✓ Soundproof
- ✓ Private entrance

Outdoor & View

- ✓ View

Building Characteristics

- ✓ Private apartment in building
- ✓ Detached

Front Desk Services

- ✓ Invoice provided
- ✓ Private check-in/out
- ✓ Express check-in/out

Table 1: Descriptive statistics.

	people_number	days_number	price	staff	amenities	cleanliness	comfort	value_for_money	location	average_opinion
mean	3.979321	5.232644	3351.769276	8.822127	8.306263	8.58935	8.47675	8.368966	8.796677	8.310384
std	2.582001	5.020899	8797.838780	0.782059	0.952912	0.93977	0.93277	0.840464	0.800594	1.003825
min	1.000000	1.000000	35.000000	2.500000	2.500000	2.50000	2.50000	2.500000	2.500000	1.000000
25%	2.000000	1.000000	460.000000	8.500000	7.800000	8.20000	8.00000	8.000000	8.300000	7.900000
50%	2.000000	2.000000	1346.500000	9.000000	8.400000	8.80000	8.60000	8.400000	8.900000	8.400000
75%	7.000000	7.000000	3638.250000	9.300000	9.000000	9.20000	9.10000	8.900000	9.400000	9.000000
max	7.000000	14.000000	489821.000000	10.000000	10.000000	10.00000	10.00000	10.000000	10.000000	10.000000

Table 2: List of the worst hotels.

	city	hotel_name	people_number	days_number	price	staff	amenities	cleanliness	comfort	value_for_money	location	average_opinion
2579	Lisbon	Quarto no centro de Lisboa	1.0	1.0	374.0	2.5	2.5	2.5	2.5	2.5	2.5	1.0
3464	Milan	D'apulia 13	7.0	1.0	1414.0	2.5	2.5	2.5	2.5	2.5	2.5	1.5
847	Birmingham	Tudors eSuites Budget Studio Apartment	2.0	14.0	1250.0	5.0	5.0	2.5	5.0	5.0	7.5	2.0

Table 3: List of the best hotels.

	city	hotel_name	people_number	days_number	price	staff	amenities	cleanliness	comfort	value_for_money	location	average_opinion
240	Belgrade	CIRCLE OF 2	2.0	1.0	253.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
285	Belgrade	apartman Fuerte 1	2.0	7.0	1286.0	9.6	9.2	9.4	9.3	9.2	8.8	10.0
287	Belgrade	Sahara Apartment	2.0	7.0	1233.0	8.0	8.0	8.0	9.4	8.0	8.5	10.0

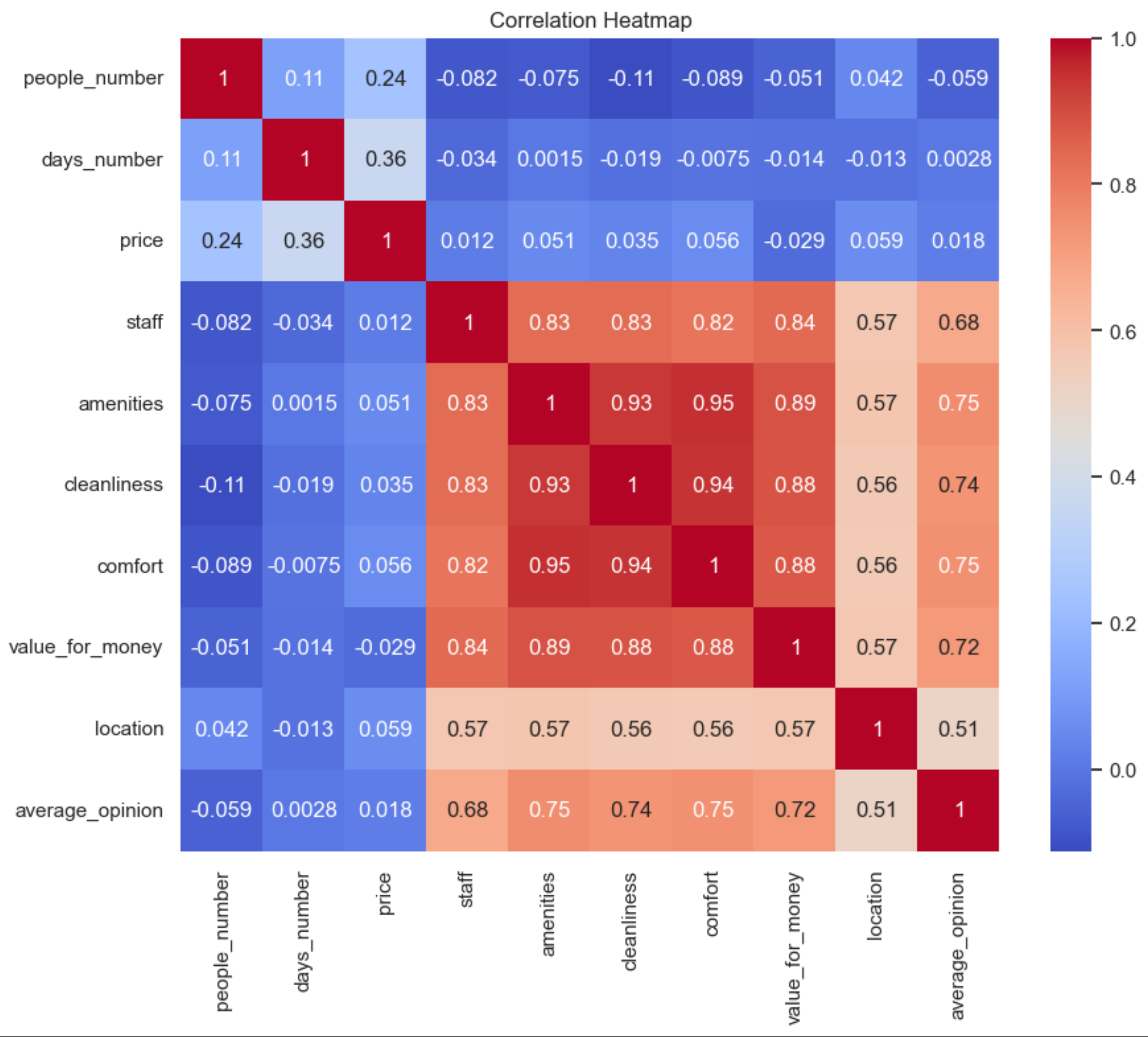


Figure 1: Correlation between variables.

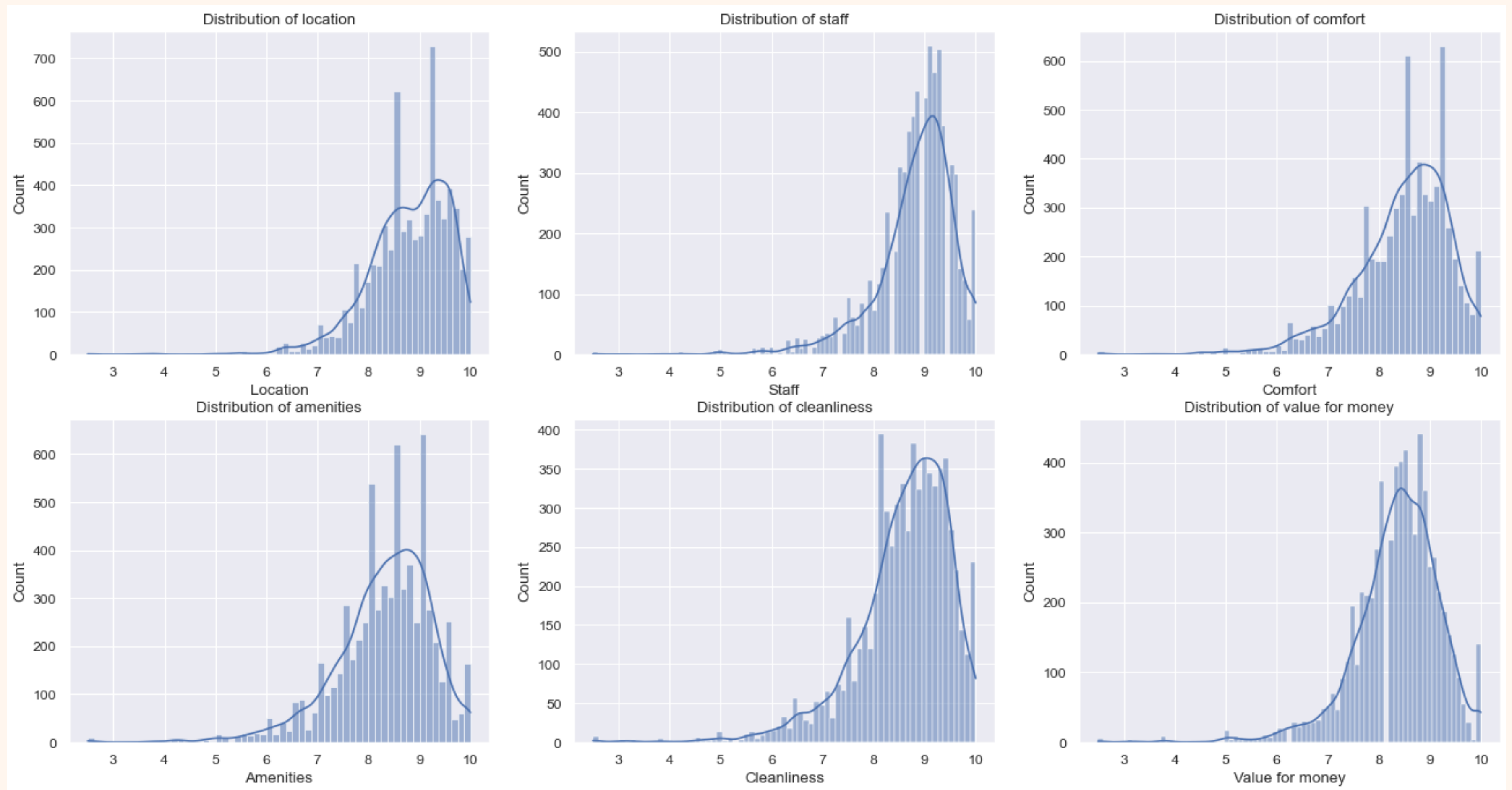


Figure 2: Distribution of selected features.

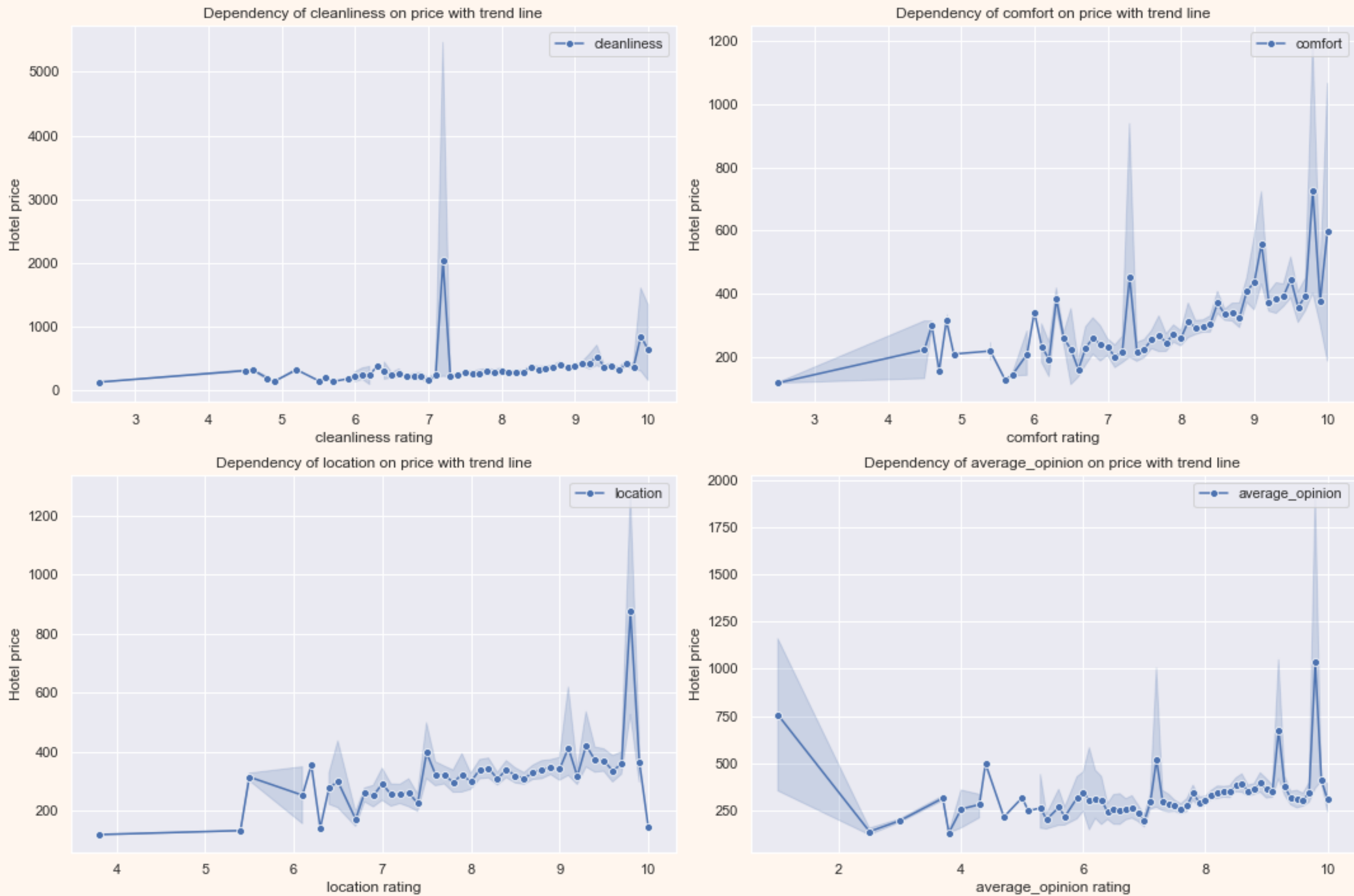


Figure 3: Exploring the Impact of Cleanliness, Comfort, Location, and Overall Opinion on Hotel Prices.

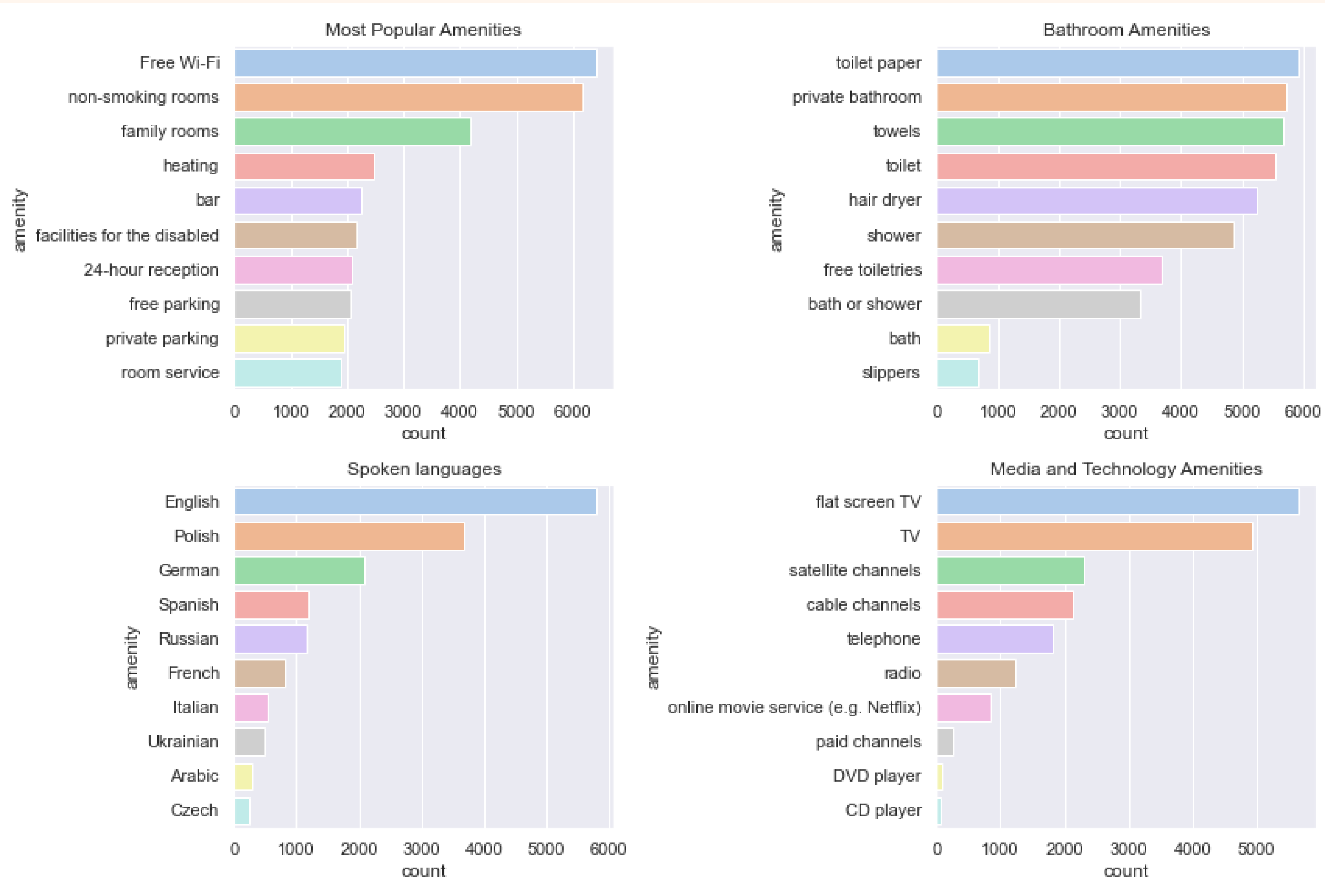


Figure 4: Most popular features.

Table 4: The most popular facilities in each city.

	London amenity	Barcelona amenity	Paris amenity	Wroclaw amenity
0	free Wi-Fi	non-smoking rooms	free Wi-Fi	free Wi-Fi
1	flat screen TV	free Wi-Fi	non-smoking rooms	non-smoking rooms
2	toilet paper	private bathroom	toilet paper	towels
3	hairdryer	toilet paper	toilet	toilet paper
4	towels	toilet	hairdryer	hairdryer
5	non-smoking rooms	flat screen TV	private bathroom	private bathroom
6	toilet	hairdryer	towels	hairdryer
7	shower	towels	flat screen TV	heating
8	private bathroom	TV	family rooms	toilet
9	complimentary toiletries	shower	TV	shower

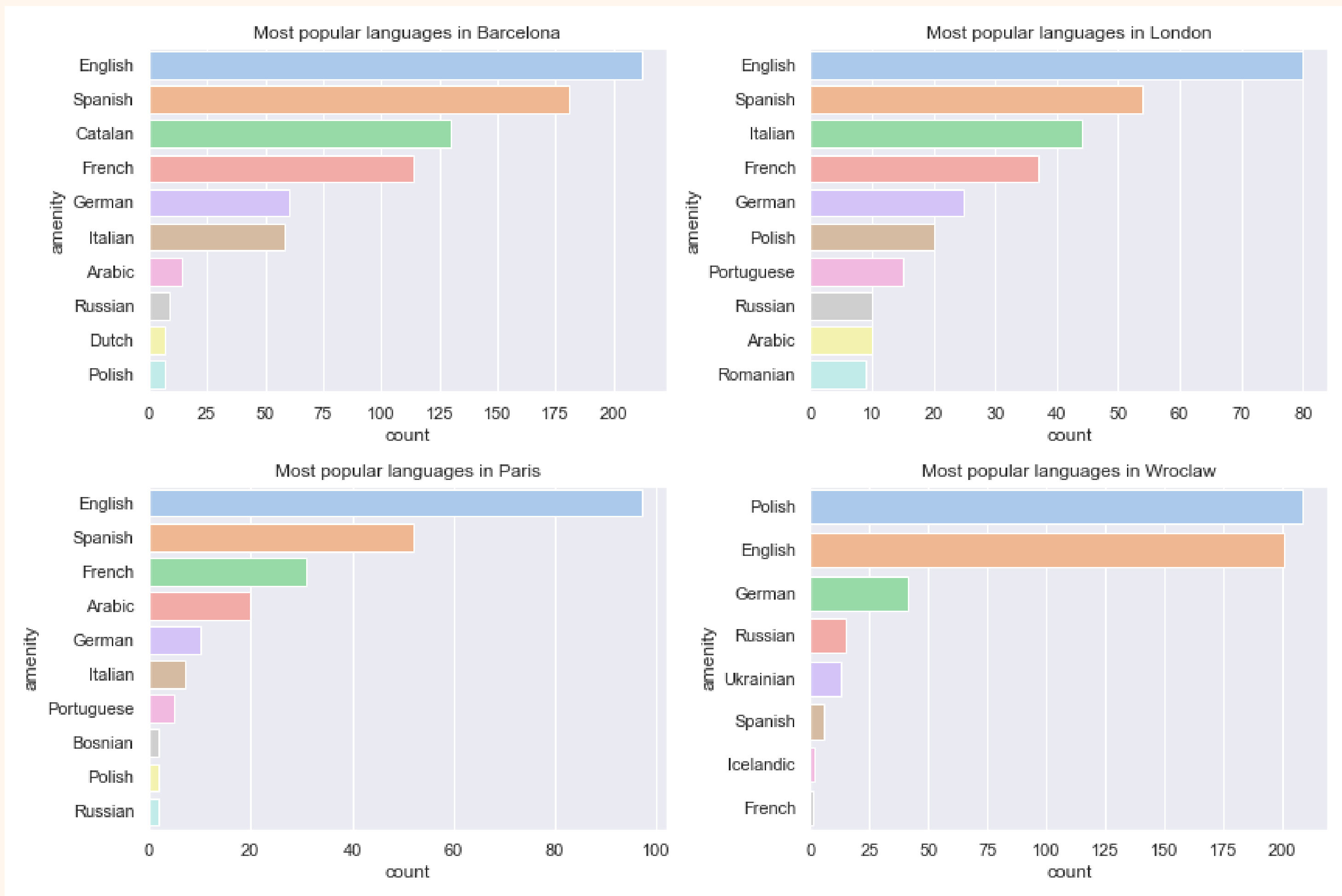


Figure 5: Comparing popular languages by City.

WORK DISTRIBUTION



JULIA



PIOTR



OLIWIA

- ☀ hotel ratings analysis
- ☀ speaker

- ☀ data scrapping
- ☀ data processing

- ☀ accommodations analysis
- ☀ presentation



**THANK YOU FOR YOUR
ATTENTION**

