

The background of the image is a suspension bridge with a green metal mesh railing, stretching across a dense, vibrant green tropical forest. The bridge's cables and walkway are visible, leading the eye towards the center. Overlaid on the bridge is a large, light beige circle with a dashed green border. At the top of this circle is a black location pin icon with a light green center. Inside the circle, the title is written in a bold, black, hand-drawn style font.

# PREDICTING HOSTEL PRICES IN SOUTH AMERICA

Kate Reiss  
January 28, 2022

# Why Hostel Prices?

To help backpackers and budget travelers!







HOSTELWORLD



English

USD



# MEET THE WORLD

36,000 properties, 178 countries • Over 13 million verified guest reviews • 24/7 customer service



Accommodation



Experiences

New



Where do you want to go?

CHECK IN



Jan 28, 2022

CHECK OUT



Jan 31, 2022

GUESTS



2 Guests



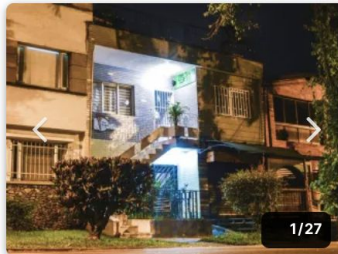
Let's go!

# HOSTELS IN SOUTH AMERICA

Map



# HOSTELWORLD



## The Sugar Cane Hostel

Hostel - 4.7km from city centre [Show on Map](#)

[Free WiFi](#) [Follows Covid-19 sanitation guidance](#)

[Perfect Location](#) [Superb Staff](#) [Fantastic Cleanliness](#)

**9.2** **Superb**  
1234 Total Reviews

✓ [Free Cancellation](#)

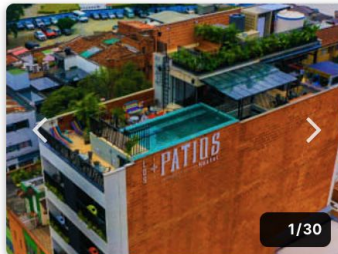
Privates From

**US\$30**

Dorms From

**US\$10**

[View](#)



## Los Patios Hostel

Hostel - 4.8km from city centre [Show on Map](#)

[Free WiFi](#) [Follows Covid-19 sanitation guidance](#)

[Perfect Location](#) [Superb Staff](#) [Fantastic Cleanliness](#)

**9.5** **Superb**  
2222 Total Reviews

✓ [Free Cancellation](#)

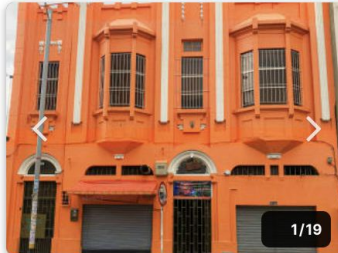
Privates From

**US\$76**

Dorms From

**US\$17**

[View](#)



## JEP Hostel

Hostel - 1.9km from city centre [Show on Map](#)

[Free WiFi](#) [Follows Covid-19 sanitation guidance](#)

[Wonderful Location](#) [Superb Staff](#)

**7.3** **Very Good**  
45 Total Reviews

✓ [Free Cancellation](#)

Privates From

**US\$13**

Dorms From

**US\$5**

[View](#)



## Casa Kiwi Hostel Medellin

Hostel - 5.6km from city centre [Show on Map](#)

[Free WiFi](#)

[Perfect Location](#) [Superb Staff](#) [Excellent Cleanliness](#)

**8.5** **Fabulous**  
991 Total Reviews

✓ [Free Cancellation](#)

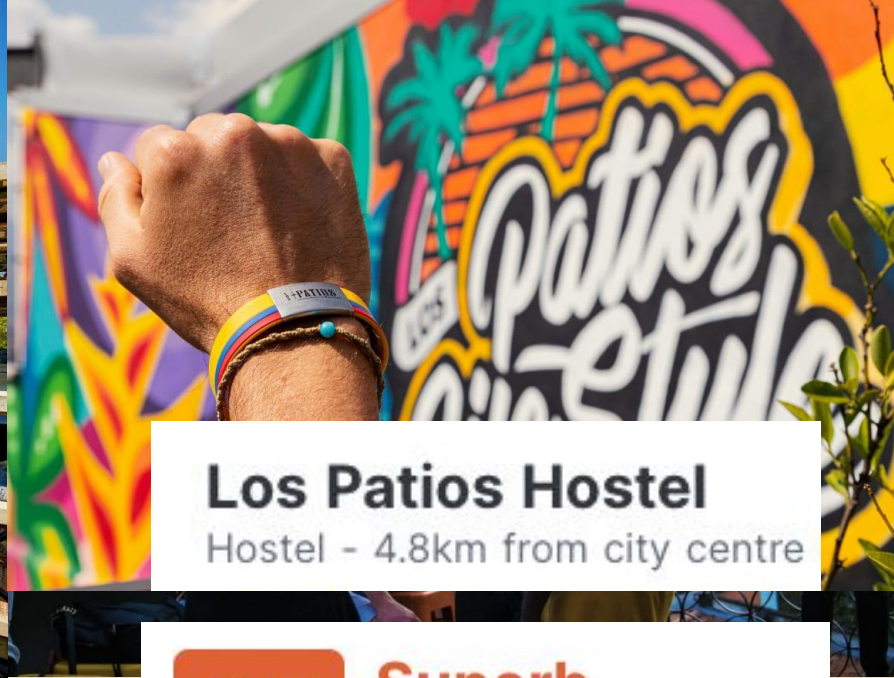
No Privates Available

Dorms From

**US\$9**

[View](#)





## Los Patios Hostel

Hostel - 4.8km from city centre

9.5

**Superb**

2222 Total Reviews



**Medellin**  
Colombia

Dorms From

**US\$17**


LOS  PATIOS  
Hostel

# CITY POPULATION

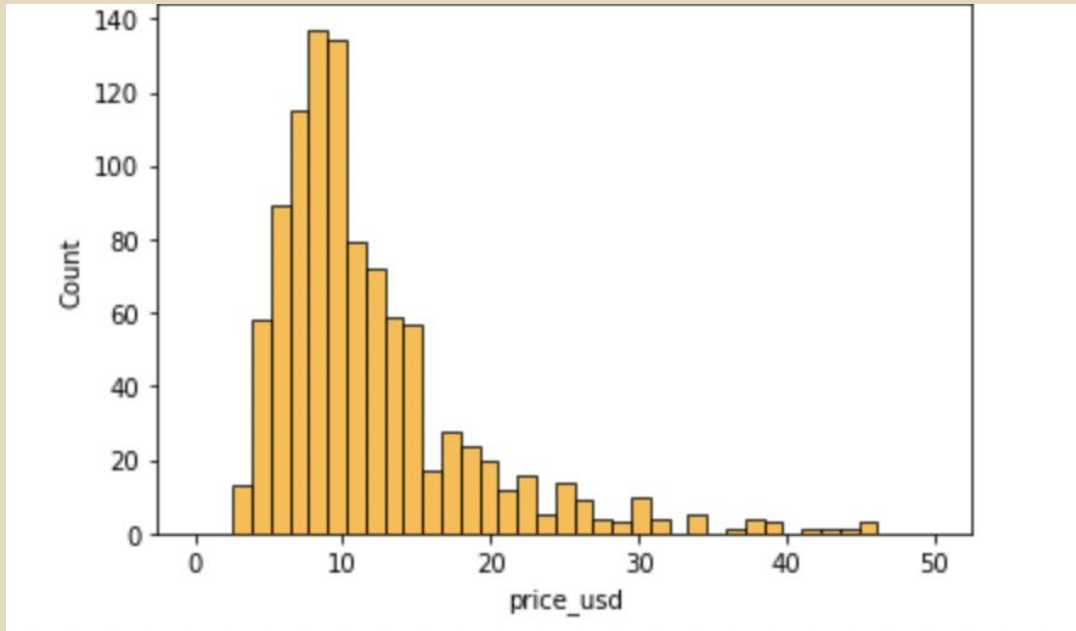


## Largest cities [\[ edit \]](#)

This list includes all South American cities with a population exceeding 500,000

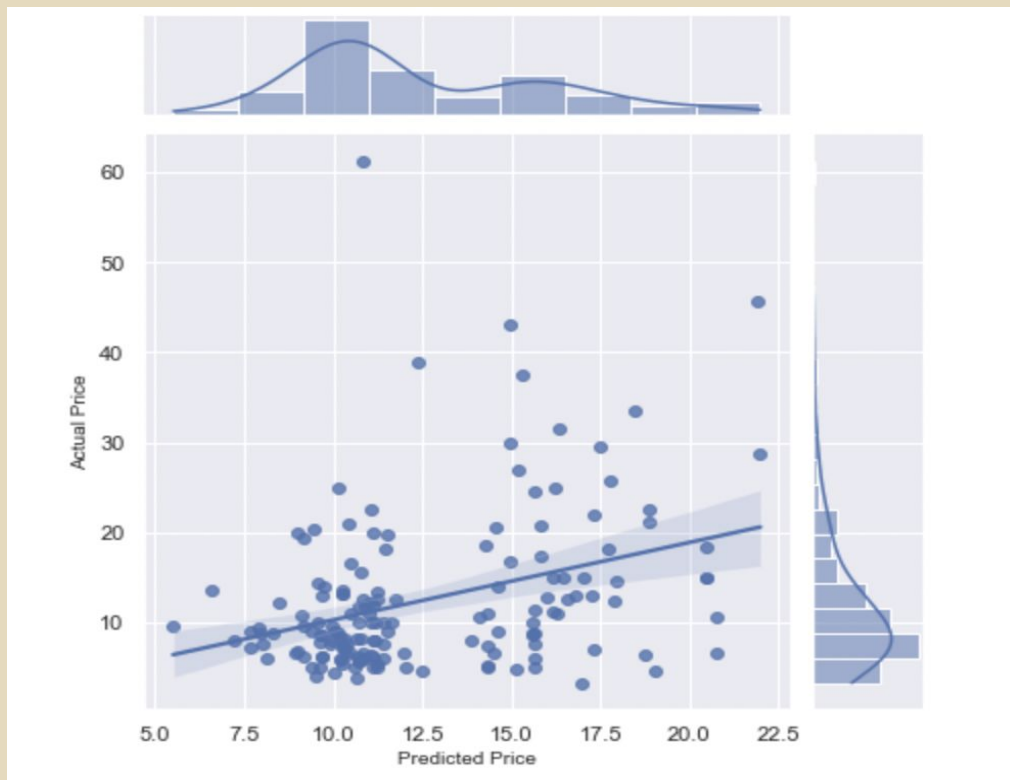
◆	Name◆	Image◆	Country◆	Population◆
14	<a href="#">Medellín</a>		Colombia	2,434,647 <sup><a href="#">[b]</a></sup> <sup><a href="#">[4]</a></sup>

# Prices of 1000 Hostels in South America





# BASELINE MODEL



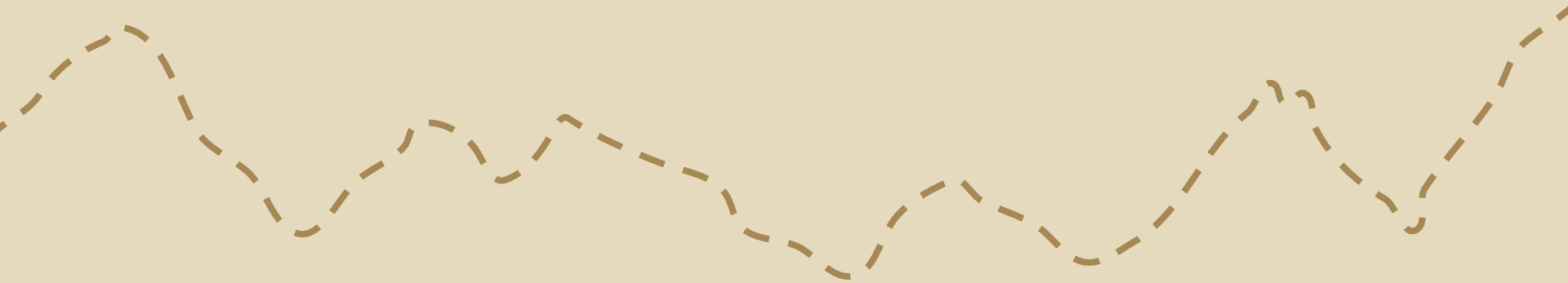
$R^2$ : 0.031



MAE: \$4.284

# FEATURES

- COUNTRY
- CITY POPULATION > 500K
- HOSTEL DISTANCE FROM CITY CENTER
- RATING / 10
- NUMBER OF REVIEWS

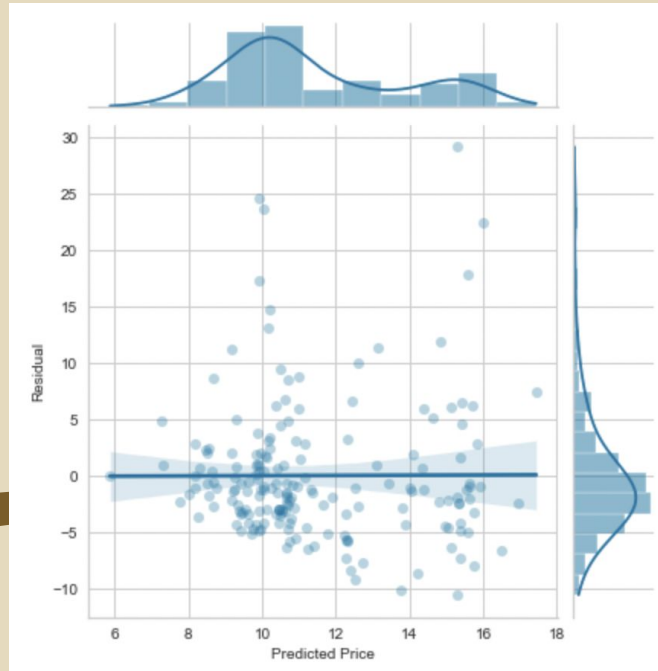


# FINAL MODEL PERFORMANCE

	R-SQUARED	MEAN ABSOLUTE ERROR
LINEAR REGRESSION	0.138	4.18
LASSO	0.136	4.18
RIDGE	0.138	4.18



# RESIDUALS OF LINEAR REGRESSION MODEL



	coef	P> t
const	17.3613	0.000
distance_center_km	0.0008	0.038
average_rating	-0.2035	0.054
number_reviews	-0.0010	0.004
pop_over_500k	-1.4848	0.001
Argentina	0.7133	0.558
Bolivia	-3.9583	0.026
Brazil	-5.0841	0.000
Chile	-0.2377	0.852
Colombia	-4.8127	0.000
Ecuador	-3.4270	0.005
Peru	-4.5867	0.000



INTERPRETATION

# STRONGEST CORRELATION: COUNTRY

COLOMBIA: -4.81

ECUADOR: -3.43

PERU: -4.59

BRAZIL: -5.08

BOLIVIA: -3.96

ARGENTINA: +0.71







1/21

### Hostel Los Troncos

Hostel - 0.6km from city centre [Show on Map](#)

Free WiFi Free Breakfast

Perfect Location Superb Staff Fantastic Cleanliness

9.4

**Superb**

160 Total Reviews

✓ Free Cancellation

Privates From

**US\$68**

Dorms From

**US\$25**

[View](#)



1/30

### Hospedaje Penthouse 1004

Hostel - 0.2km from city centre [Show on Map](#)

Free WiFi Free Breakfast [Follows Covid-19 sanitation guidance](#)

Perfect Location Superb Staff Fantastic Cleanliness

9.8

**Superb**

1840 Total Reviews

✓ Free Cancellation

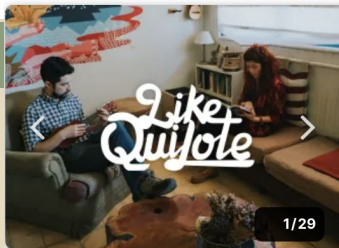
Privates From

**US\$77**

Dorms From

**US\$29**

[View](#)



1/29

### Hostel Like Quijote

Hostel - 0.9km from city centre [Show on Map](#)

Free WiFi Free Breakfast

Perfect Location Superb Staff Fantastic Cleanliness

8.9

**Fabulous**

309 Total Reviews

✓ Free Cancellation

Privates From

**US\$69**

Dorms From

**US\$34**

[View](#)

# ARGENTINA HOSTELS: MORE EXPENSIVE?

CITY POPULATION > 500K:

-1.48



The background features several decorative elements: a dashed line forming a circle on the left, a dashed line with a dot curving from the top left towards the center, another dashed line with a dot curving from the top right towards the center, and a dashed line with a dot curving from the bottom right towards the center.

NOT MUCH CORRELATION:

RATINGS

NUMBER OF REVIEWS

LOCATION IN CITY



HAPPY TRAVELING!



# THANKS!

CREDITS: This presentation template was created by **Slidesgo**, including icons by **Flaticon**, and infographics & images by **Freepik**.

