

This database is about Airbnb spots, socioeconomic indicators, and crime by community area in Chicago.

- Type = polygon shapefile
- Observations = 77
- Variables = 20
- Years = 2008 to 2015
- The AirBnB data includes response rate, acceptance rate, review rating, price per included guest, room type (1 is entire home/apartment, 2 is private room, and 3 shared room), number of Airbnb spots. The data were collected on October 3rd, 2015.
- The socioeconomic indicators are percentages by community area: households below poverty, housing crowded, under 18 or over 64 years old (dependency), aged 25+ without high school diploma, and unemployed above 16 years old. Also included are per capita income and hardship index. These indicators were built for the period 2008 – 2012.
- The crime data include the number of crimes (battery, burglary, gambling, homicide, kidnapping, robbery, stalking, homicide, and theft, among others; murders with data for each victim are not included) and thefts from October 2014 to September 2015 (one year before the Airbnb data).
- Population by community area based on Census 2010 data.

Variable	Description	Source
community	name of community area	City of Chicago data portal
AREAID	ID number associated with the community area	City of Chicago data portal
response_r	response rate of airbnb host	Airbnb data: Inside Airbnb – only public available data were used. The data were collected on October 3rd, 2015.
accept_r	acceptance rate of airbnb host	Inside Airbnb
rev_rating	host's rating	Inside Airbnb
price_pp	price per person	Inside Airbnb
room_type	1 is entire home/apartment, 2 is private room, and 3 shared room	Inside Airbnb
num_spots	number of airbnb spots	Inside Airbnb
poverty	percent households below poverty	Socioeconomic indicators: Chicago Data Portal . These indicators were built for the period 2008 to 2012.
crowded	percent housing crowded	Chicago Data Portal
dependency	percent under 18 or over 64 years old	Chicago Data Portal
without_hs	percent aged 25+ without high school diploma	Chicago Data Portal
unemployed	percent unemployed above 16 years old	Chicago Data Portal

Variable	Description	Source
income_pc	per capita income	Chicago Data Portal
hardship_in	hardship index	Chicago Data Portal
num_crimes	total number of crimes	Crime: Chicago Data Portal . The crime data include the number of crimes (battery, burglary, gambling, homicide, kidnapping, robbery, stalking, homicide, and theft, among others; murders with data for each victim are not included) and thefts from October 2014 to September 2015 (one year before the Airbnb data).
num_theft	total number of thefts	Chicago Data Portal
population	community area population in 2010	Census 2010, Chicago Data Portal

Prepared by Rodrigo Valdes. Last updated July 10, 2017. Data provided “as is,” no warranties.