

A new stop for unhappiness

Bus Stop Proximity is Related to Lower Life Satisfaction in Cali Colombia

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Using unique 2019 CaliBRANDO data, we study the effect of public transit proximity on life satisfaction in Cali Colombia. Public transit proximity is measured in two ways: having a bus stop in one's neighborhood or having it accessible within a short time. Both measures yield similar negative effect sizes of about .3-.4 on 1-10 life satisfaction scale. Such effect size is comparable to a decrease in one's satisfaction with her health by one step, say from "very good" to "good."

HAPPINESS, LIFE SATISFACTION, SUBJECTIVE WELLBEING, PUBLIC TRANSPORTATION, PUBLIC TRANSIT, BUS, BUS STOP, CALI, COLOMBIA, CALIBRANDO

Introduction

Transport is the blood of society—transport is intricately linked the wellbeing of the economy, society and communities (e.g., De Vos et al. 2013).

Commuting matters, too. One may work 8hrs per day, but an additional hour or more is usually “wasted” on getting to and from work (Moovit 2022). Notably, of all daily activities, commuting is the very least happy activity (Kahneman et al. 2004).

There is much research on the effect of travel on wellbeing in general (e.g., De Vos et al. 2013, Morris and Guerra 2014, Stutzer and Frey 2003, JAFFE 2014, Quercia 2014, Li et al. 2018a), and specifically the effect of commuting (for a recent review see Manke 2021). Active commute such as walking or cycling is associated with more satisfaction than passive commute such as car driving and especially public transportation such as bus (see discussion in Manke 2021).

For instance, in Xian, China, out of 8 modes—walk, private bike, public bike, bus, subway, electric bike, shuttle bus, and private car—public bus comes with the lowest commute happiness (Zhu and Fan 2018).

There is little research, however, on proximity of public transportation/bus stops and happiness. In Rotterdam, the Netherlands, the more public transit in a neighborhood, the less happiness (Auma and Stavropoulos 2015)—one key problem with more public transit is more noise. In Detroit, the US, Park et al. (2021) finds that the more bus stops per census tract, the less happiness. Authors argue that bus stops can easily turn into crime stops—the two correlate. In Xian, China, proximity of the subway is found to promote happiness through walkability, transit quality, and accessibility pathways (Yin et al. 2021). In Shanghai, Li et al. (2018b) finds that the closer one is to the metro stop, the more happiness. One explanation to reconcile the conflicting findings in the literature is that metro, as opposed to bus, does not disrupt the built environment with noise, light, and air pollutions. Yet Yin et al. (2019) finds that proximity of public transit in general (not only metro) is related to higher happiness across China.

Happiness benefit from higher transportation accessibility is accompanied by happiness penalty due to noise and pollution (Cloutier and Pfeiffer 2015).

Despite some conflicting findings, in general, having easy access/being reasonably close to public transit is rather seen as a positive thing, an amenity, a convenience or comfort—it alleviates car congestion and pollution and promotes interaction and walking/cycling, especially if transit can be easily accessed, is convenient, and good quality (e.g. Mouratidis 2021, Leyden et al. 2011).

Hence, we hypothesize:

if there is a bus stop in one's proximity, one is happier (benefits outweigh costs).—

In the present research we study the effect of proximity to public transportation (bus stop) on happiness in Cali, Colombia. Proximity of public transit is an often overlooked aspect of daily commute. Bus stops, especially the major ones, are an important feature of the built environment, and especially in large cities without other public transportation

such as subway/metro such as Cali, Colombia. Residents of Cali spend on average about 50 minutes in public transit on a weekday commute, and they also wait on average 20 minutes for their bus (there is no train or subway in Cali)¹ (Moovit 2022).

It is commonly lamented that much of social scientific research is done on WEIRD people, i.e., Western, Educated, Industrialized, Rich and Democratic. If not entirely WEIRD, the bias is commonly in favor the Global North. SWB research is not an exception—vast majority of SWB research is done in Global North.

Another limitation/gap of SWB research is that almost all the research is done at one of the following levels: person, society/nation, or region/province level. Virtually all SWB research analyzes person level data that are representative of (or nested within) society/nation level and/or sometimes at region/province level. Research at neighborhood/community level is remarkably rare.² The present research aims to fill both of these gaps.

To our best knowledge the only SWB dataset representative of neighborhoods/communities in Global South (except China) is CaliBRANDO (Martínez and Short 2020, Martínez 2017).

adam start reading and editing here!!!

City Context

Cali is a city with 2.4 million inhabitants, the third largest city in Colombia (Indígena et al. 2019). In 2002, the national government developed an extensive plan to implement integrated public transport systems in the main cities in the country, following the experience in Bogota with Transmilenio, a Bus Rapid Transit (BTR) model (de Panificacion (DNP) 2002). The national plan was in line with the modernization scheme of several cities in Latin America that were implementing large urban renovation programs through BTR systems to reduce inequalities, integrate the population living in the

¹We use terms “public transit” and “bus” interchangeably.

²Nationally representative datasets sometimes ask about certain community/neighborhood characteristics (eg US GSS or German SOEP), including in Latin America, e.g., ISSP (Gandelman et al. 2012), but the data are typically not identifying actual communities/neighborhoods, and if they do (e.g., restricted version of US GSS), the data are not representative of communities/neighborhoods. There are only a handful of exceptions, and all of them in Global North (and China): Ma et al. (2017), Helliwell et al. (2018), Ziogas et al. (2020), Mouratidis (2017, 2020b,a), Mouratidis and Yiannakou (2022), Weckroth et al. (2022), Anon (2021), Pfeiffer et al. (2020), Ciorici and Dantzler (2019), Du et al. (2017), Ala-Mantila et al. (2017), Wang et al. (2019).

periphery, and provide better and safer public transportation (Scholl et al. 2016). Until 2000, Cali's transportation system was highly segmented, unregulated, partially informal, and polluting. Almost 40% of the buses were more than 20 years old, and the average bus speed was 8-12 km per hour, taking about 90 minutes to cover routes of 40 km (Scholl et al. 2015).

Cali undertook a major urban renovation plan to implement the BTR called MIO. The system aimed at connecting low and middle-income areas with employment clusters in the city and the modernization of urban infrastructure (terminals, stations, corridors, and patios for bus operators) to offer sustainable and affordable public transportation (Scholl et al. 2015). The project suffered major delays and was in operation in 2009 with low capacity. At project inception, MIO was planned to have 911 buses circulating. In 2009 the operation started with 39 buses, and by 2019 were, on average, 680 buses circulating daily across the city using the north-south axis in which the main infrastructure was built (Metrocali 2019).

Lina: MAP with buses—see other notes: better res+all bus stops, not just routes rt?

Troncales, Pretroncales y Alimentadoras



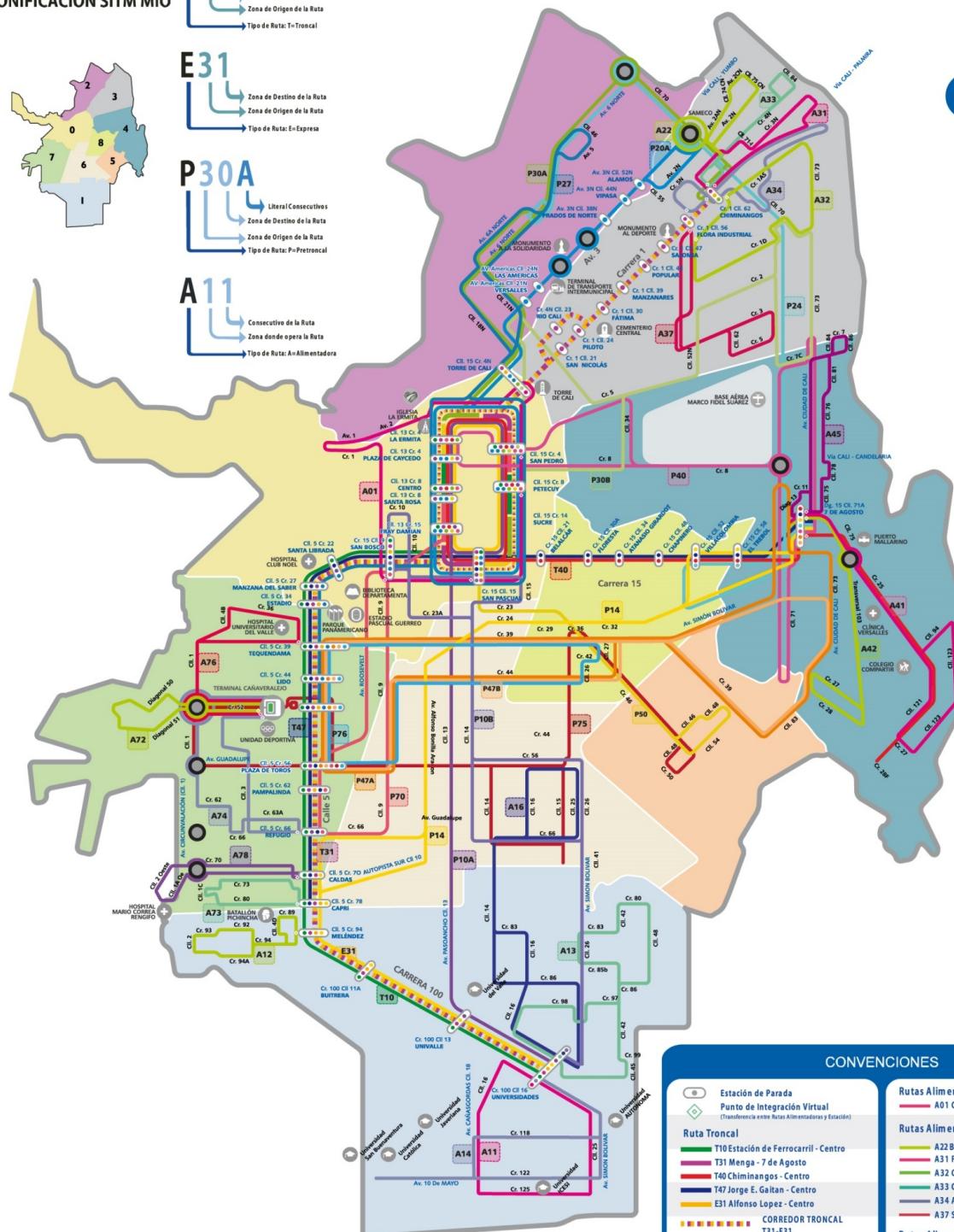
ZONIFICACIÓN SITM MIO

T4 7
 Zona de Destino de la Ruta
 Zona de Origen de la Ruta
 Tipo de Ruta: T=Troncal

E31
 Zona de Destino de la Ruta
 Zona de Origen de la Ruta
 Tipo de Ruta: E=Expresa

P30A
 Literal Consecutivos
 Zona de Destino de la Ruta
 Zona de Origen de la Ruta
 Tipo de Ruta: P=Pretroncal

A11
 Consecutivo de la Ruta
 Zona donde opera la Ruta
 Tipo de Ruta: A=Alimentadora



CONVENCIONES

Estación de Parada
 Punto de Integración Virtual
 (Transference entre Rutas Alimentadoras y Troncales)

Ruta Troncal

T10 Estación de Ferrocarril - Centro

T31 Menga - 7 de Agosto

T47 Chiminangos - Centro

T47 Jorge E. Gaitan - Centro

E31 Alfonso Lopez - Centro

CORREDOR TRONCAL

T31-E31

Ruta Pretroncal

P10A Universidades - Centro Cll 13

P10B Universidades - Centro Cll 14

P14 Universidades - 7 de Agosto Aut. Sur

P20A Alamos - Centro Av. 3 N

P24 Chipchape - 7 de Agosto

P30A Chiminangos - Centro

P30B Jorge E. Gaitan - Centro Cra. 5

P40 7 de Agosto - Centro Cra. 8

P47A 7 de Agosto - Unidad Deportiva Av. Simon Bolívar

P47B 7 de Agosto - Unidad Deportiva Av. Simon Bolívar

P50 Ciudad Córdoba - Centro Cll 27

P70 Refugio - Centro Cll 6

P75 Ciudad Córdoba - Calaveralejo Cra. 56

P76 Unidad Deportiva - Maracaibo Cra 44

Rutas Alimentadoras Zona Centro

A01 Centro

Rutas Alimentadoras Zona Norte

A22 Brisas de los Álamos

A31 Flora - Chiminangos

A32 Chiminangos - Flora Industrial

A34 Alcázares - Flora Industrial

A37 SENAI - Flora Industrial

Rutas Alimentadoras Zona Oriente

A41 7 de Agosto - Despaz

A42 7 de Agosto - Alfonso Bonilla Aragón

A45 Alfonso López

Rutas Alimentadoras Zona Occidental

A72 Calaveralejo - Siloe

A73 Capri - Capri

A74 Refugio - Calaveralejo

A76 Calaveralejo - Hospital Departamental

A78 Los Chorros - Caldas

Rutas Alimentadoras Zona Sur

A11 Universidades - Iesi

A12 Meléndez - Meléndez

A13 Universidades - Caney

A14 Universidades - San Buenaventura

A16 Ingenio

Horarios Rutas Pretroncales y Alimentadoras

Rutas Pretroncales

Lunes a Viernes: 5:00 AM a 11PM

Sábado: 5:00 AM a 11PM

Domingos y Festivos: 6:00 AM a 10PM

Rutas Alimentadoras

Lunes a Viernes: 4:30 AM a 11PM

Sábado: 5:00 AM a 11:30PM

Domingos y Festivos: 6:00 AM a 10PM

3 next to each other: 63 Estaciones 3,379 Paradas source: POLIS, Universidad Icesi, Cali

Figure 2: Natural happiness.



The implementation of MIO comes with mixed results. The system has reduced travel time for some users and has improved air quality, but user satisfaction is low, buses are overcrowded, and the system has significant issues with financial stability (Scholl et al. 2016). While the system faces challenges in providing quality service, Cali is experiencing a pattern observed across the developing world. The city transportation is becoming increasingly dominated by private car or motorcycle ownership, contributing to congestion, pollution, and the use reduction of public transportation (Pojani and Stead 2015). Between 2000 and 2016, private car or motorcycle ownership increased by 157%, and motorcycles alone increased by 211% in the same period, with 86,3 motorcycles per 100,000 inhabitants in 2016 (de Cali MOVIS 2017).

On top of poor quality, one of the significant problems in the system is the high rate of petty crime. Constantly, the media reports massive assaults on the buses and cellphone and wallet robberies, making the mass transit one of the top spots for crime (de Occidente 2022). Moreover, bus stations are one of the main targets for vandalism

in riots and demonstrations. Bus stations also attract informal economy, traffic, and noise. In 2021, during one of the more extensive riots in the country, 58 bus stations were left out of service rendering the system unable to cope with the demands for transportation (Semana 2022).

Data and Method

We use 2019 Calibrando, a survey representative of Cali, conducted by the Observatory of Public Policies (POLIS) of Universidad Icesi (Martínez and Short 2020, Martínez 2017). Face-to-face interviews are administered by trained pollsters to randomly selected adults (18 and older). The Calibrando covers: life satisfaction, living standards, socio-demographics, and notably the respondent's neighborhood.

The dependent variable is life satisfaction, and the main independent variables are whether there is public transit (MIO) in the neighborhood, and time to get to MIO. All variables, including control variables, are defined in table 1. And additional descriptive statistics including distributions and cross-correlations are in Supplementary Online Material (SOM).

We control for an usual set of SWB predictors following Okulicz-Kozaryn and Valente (2018). Note that income is expressed in terms of monthly minimum wage (SMMLV). In addition, we control for perceptions of crime, security, and police presence—such variables are not only predictive of SWB, but may also confound with public transit perceptions and use. For instance, public transit may be avoided in certain areas, especially by women, and at night. Also note that Cali is a relatively dangerous city, say as compared to Western cities (e.g., Review 2020). Also, as the present study is across neighborhoods within one city, we control for two important variables that not only predict SWB, but are also likely to confound with public transit accessibility. We include dummies for 23 Cali neighborhoods ("Comuna"), and we include dummies for 6 socioeconomic strata ("Estrato Socioeconómico").

Table 1: Variable definitions.

| name | description |
|--------------------------|---|
| life satisfaction | "On a scale of one to ten, rate how satisfied are you with your life." |
| MIO in neighborhood | "Walking from your home, what public transport you have access in the neighborhood where you live ?: MIO" |
| time to MIO | "How many takes minutes from home to go to the following places walking or means of transport commonly used to go to that place? MIO" |
| age | age |
| age squared | age squared |
| female | "female" |
| income | "How much on average income?" |
| race | white, half blood, indigenous, black, or other |
| marital status | "What is your marital status?" |
| education | primary, secondary, technical, professional, postgraduate, or none |
| health satisfaction | "Would you say that in general your health is?" |
| heard of crime in neighb | "In the past 6 months, did you have heard of some kind of crime in their neighborhood?" |
| neighb not maintained | "Are there places in your neighborhood that are not properly maintained? (Batch vacant)" |
| police in neighb | "The police routinely patrol your neighborhood?" |
| neighborhood safe | "You think your neighborhood is safe?" |
| safe in city | "Do you feel safe in the city?" |
| neighborhood | "What neighborhood do you live in?" |
| socio-economic strata | "What is the socio-economic strata of your home?" 1-5 (strata 5 and 6 were combined together as there were very few respondents living in strata 6) |

We use ordinary least squares (OLS). Although OLS assumes cardinality of the outcome variable, and SWB measures are technically ordinal, OLS is an appropriate estimation method. Ferrer-i-Carbonell and Frijters (2004) has shown that OLS results are substantially the same as those from discrete models, and OLS has become the default method in happiness research (Blanchflower and Oswald 2011). Theoretically, while there is still debate about the cardinality of SWB, there are strong arguments to treat it as a cardinal variable (Ng 1996, 1997, 2011).

Results

Most residents of Cali report having access to MIO in their neighborhood, about 1150 or 92 percent, and about 100 or

8 percent say that there is no MIO in their neighborhood. This is expected, MIO is ubiquitous throughout Cali.³

Regression results are in table 4. Column a1 is a bivariate regression of happiness on MIO—Colombians are very happy as indicated by constant term, >8 on 1-10 scale. But, contrary to our hypothesis, a presence of MIO in a neighborhood is associated with a decrease in happiness by .3. A third of a point on a 1-10 happiness scale may seem small.

Yet, it needs to be remembered that about half of happiness is determined by genes (Schnittker 2008, Lykken and Tellegen 1996, Brooks 2013), and then most important are person level characteristics such as health and social relations, and only a small fraction is left for environmental influences such as built environment and bus stops.

The negative effect of MIO is robust to the model specification in subsequent columns a2-a6⁴, and actually increases to .4 in more elaborate specifications in table 4. Note the extensive set of controls in more elaborate specifications, including safety/crime, socio-economic-strata, and neighborhood dummies (“comuna.”)

| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|---------|
| MIO in neighborhood | -0.30* | -0.33* | -0.34* | -0.36* | -0.38* | -0.40* |
| age | | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 |
| age squared | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| female | | 0.21+ | 0.24* | 0.23* | 0.19+ | 0.25* |
| health satisfaction | | 0.29*** | 0.28*** | 0.29*** | 0.27*** | 0.27*** |
| heard of crime in neighb | | | -0.21+ | | | -0.19 |
| neighb not maintained | | | 0.05 | | | 0.07 |
| police in neighb | | | 0.08 | | | 0.06 |
| neighborhood safe | | | -0.01 | | | -0.07 |
| safe in city | | | 0.27* | | | 0.33** |
| constant | 8.83*** | 8.09*** | 8.05*** | 8.20*** | 8.10*** | 8.16*** |
| neighbourhood dummies | no | no | no | yes | no | yes |
| socio-economic strata dummies | no | no | no | no | yes | yes |
| income, race, marital status, and education dummies | no | yes | yes | yes | yes | yes |
| N | 1268 | 1211 | 1194 | 1204 | 1207 | 1183 |
| + 0.10 * 0.05 ** 0.01 *** 0.001; robust | | | | | | |
| std err | | | | | | |

Table 2: OLS regressions of life satisfaction.

Next, we measure proximity of MIO in an alternative way, instead of asking about its presence, we measure time it takes one to get to it. To account for potential nonlinearities we create 5 quintile dummies. Regression results are shown in table 5—only 5th quintile is significant—the 20% of sample with longest time to MIO, i.e., 18 min or more, are happier

³In SOM we cross tabulate presence of MIO by barrio. Many barrios have a person or two reporting not having access to MIO, and while MIO is ubiquitous throughout Cali, it is perfectly reasonable for a respondent to live in a section of a barrio that is relatively far from MIO. Lina, is that right? or outliers/some people may report biased opinion/nonsense?

⁴Again, note that SMMLV=“monthly minimum wage.”

by about .3 or .35.

| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|---------|
| time to MIO (base: 1st quantile): | | | | | | |
| quantile=2 | -0.09 | -0.13 | -0.16 | -0.14 | -0.11 | -0.13 |
| quantile=3 | 0.17 | 0.12 | 0.09 | 0.13 | 0.13 | 0.12 |
| quantile=4 | -0.09 | -0.07 | -0.08 | -0.06 | -0.07 | -0.07 |
| quantile=5 | 0.25 | 0.25 | 0.26 | 0.27 | 0.29+ | 0.34+ |
| age | -0.02 | -0.01 | -0.02 | -0.02 | -0.02 | -0.02 |
| age squared | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| female | 0.19+ | | 0.22+ | 0.22+ | 0.17 | 0.22+ |
| health satisfaction | 0.29*** | 0.28*** | 0.29*** | 0.27*** | 0.27*** | 0.27*** |
| heard of crime in neighb | | -0.23+ | | | -0.22+ | |
| neighb not maintained | | 0.05 | | | 0.07 | |
| police in neighb | | 0.13 | | | 0.11 | |
| neighborhood safe | | -0.03 | | | -0.09 | |
| safe in city | | 0.25* | | | 0.29** | |
| constant | 8.50*** | 7.89*** | 7.89*** | 8.06*** | 7.85*** | 8.01*** |
| neighbourhood dummies | no | no | no | yes | no | yes |
| socio-economic strata dummies | no | no | no | no | yes | yes |
| income, race, marital status, and education dummies | no | yes | yes | yes | yes | yes |
| N | 1166 | 1116 | 1103 | 1109 | 1112 | 1092 |

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust std err

Table 3: OLS regressions of life satisfaction. Note: 5th quintile of time to MIO is 18 min or more.

Note that both operationalizations of proximity of public transit yield similar effect sizes: about .3 to .4. Such effect size can be considered a moderate to large effect. It is slightly larger than one step decrease on the health variable, say from “Very Good” to “Good.” This is a considerable effect size.

The above models used 23 neighborhood (“comuna”) dummies. In rich CalIBRANDO data, there are also smaller neighborhoods (“barrio”) identified, over 100 of them. In supplementary online material we estimate the “barrio” fixed effects model, results are similar, and if anything stronger at -.5.

Conclusion and Discussion

Goal 11 of SDGs aims at ensuring inclusive, safe, resilient, and sustainable development of urban settlements (Ramaswami 2020). Public transportation access matters. In present research we find, unexpectedly, that proximity to public transit is related to lower, not higher, subjective wellbeing or life satisfaction.

Our conclusion is similar to that of Ciorici and Dantzler (2019), “surprisingly, the analysis showed that [...] access to transportation have an inverse relationship with the satisfaction of residents”

One possible mechanism is pollution, notably air, but also light and noise—we know that pollution kills happiness (Kumari et al. 2021, Poon 2018, Lee 2016, Metcalfe 2016, Weinhold 2013, Rehdanz and Maddison 2008).

Yet it is not necessarily that disamenities (noise, pollution, etc) of public transit outweigh its amenities in general. It may simply be the poor quality (and safety) of public transit in Cali, which may arguably translate into dissatisfaction with having public transit in one's neighborhood. Complaints about MIO are that it is crowded, disorganized, and unsafe (a lot of petty crime), and while homicides decline in Cali, petty crime is increasing in Cali (Martínez and Short 2020).

As a sidenote, anecdotal evidence, various rankings of public transit in general prefer subways over buses, if anything, only one advantage of bus system is easier implementation and hence wider coverage⁵

Short of a costly subway system, MIO can be improved. As reviewed earlier, what matters for quality public transit is safety, convenience, accessibility, and ease of use. MIO tickets are still being sold by a person at a station—one way to improve is to digitize everything (Forum 2019).

The negative effect of MIO is in contrast to the positive effect⁶ of Bus in 6 in SOM. **Lina: what is a Bus? like those city to city at terminal de transporte, say to bogota? or Bus is unofficial transport like Guala or moto? or is it like MIO, just small? TODO explain difference here**

What is distinctive about CaliBRANDO is the rich information on the distance to various amenities such as park, doctor, store, restaurant, etc. MIO is the only amenity among 10 amenities, where people are the happiest living farthest from it (table 5. Time to other amenities has mostly no effect on happiness, with the exception of time to biblioteca—its proximity is positively related to happiness. For estimates see Supplementary Online Material (SOM)).

Similarly in SOM: How to get to the nearest MIO location (Como se moviliza al paradero del MIO mas cercana) in table 7 those who take motorcycle or car (Moto o carro) or those who reply NS/NR –they are happier.⁷ **Lina, is that right? what does “NS/NR” on that question mean? no MIO?; or does “No hay” mean no MIO? if unclear, say can be both, can just drop this part**

Curiously, Martínez and Short (2020) reports that in Cali residents in the poorest districts were more satisfied with

⁵<https://www.internationalteflacademy.com/blog/the-top-10-public-transportation-systems-around-the-world> <https://gobackpacking.com/public-transportation-south-america/>.

⁶Though insignificant in more elaborate specifications.

⁷We postpone to SOM as there are only 42 obs on “Moto o carro” and 37 on “NS/NR,” vast majority, 84% walks “Caminando.”

their lives, and speculates that it may be so due to the high resilience of this population being affected by crime, poor health, and insufficient provision of public goods. Another explanation could be that ignorance is bliss—the poor may be relatively segregated and isolated into their neighborhoods, not knowing better, and thus being satisfied with little of what they have. Similarly, to women in rural China, who only became unhappy once they became exposed to higher standard of living (Rosenthal 1999).

Likewise, in our present research, with transportation, it is also perhaps that public transportation exposes to more comparisons, and as people tend to make upward comparisons (Frey and Stutzer 2002, Frey et al. 2008), it may result in relative deprivation and lower happiness, just as neighbors act as negatives (Luttmer 2005) Incidentally, there is a similar hint from another area in Colombia: inhabitants of poor municipalities in the Choco are happy to know only that environment in which they were born and raised, but when they know and live in other municipalities with greater socio-economic development their demands and expectations increase (Muñoz-Cardona 2018). In other words, again, ignorance may be a bliss. Future research could test such hypotheses.

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ONLINE APPENDIX

[note: this section will NOT be a part of the final version of the manuscript, but will be available online instead]

World Economic Forum report 2017

The World Economic Forum scores and ranks countries on a number of indicators, and perhaps unexpectedly Colombia scores worst on "ground and port infrastructure," a score even lower than on "safety and security," a widely recognized challenge for Colombia (Forum 2017). Can poor quality of public transportation hamper its multiple advantages?⁸

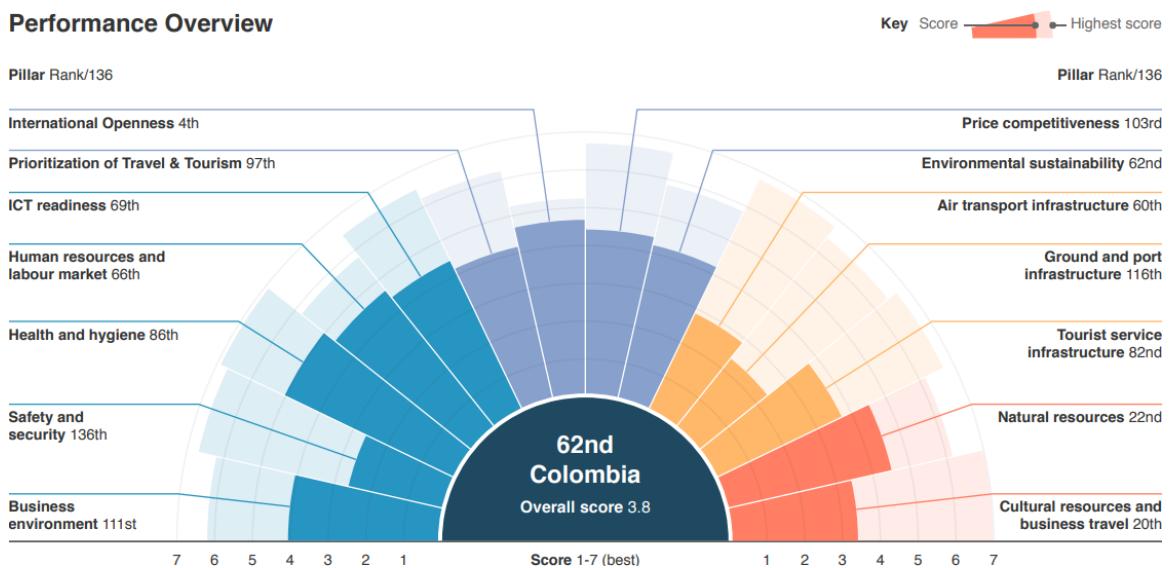


Figure 3: World Economic Forum report 2017. https://www3.weforum.org/docs/WEF_TTCR_2017_web_0401.pdf

⁸We were unable to find rankings of public transportation across Colombian cities.

Variables' definitions, coding, and distributions

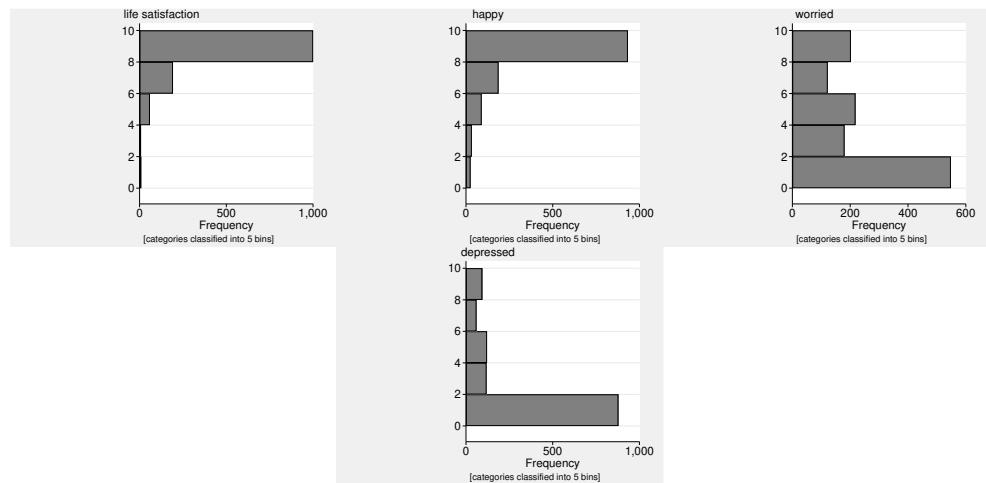
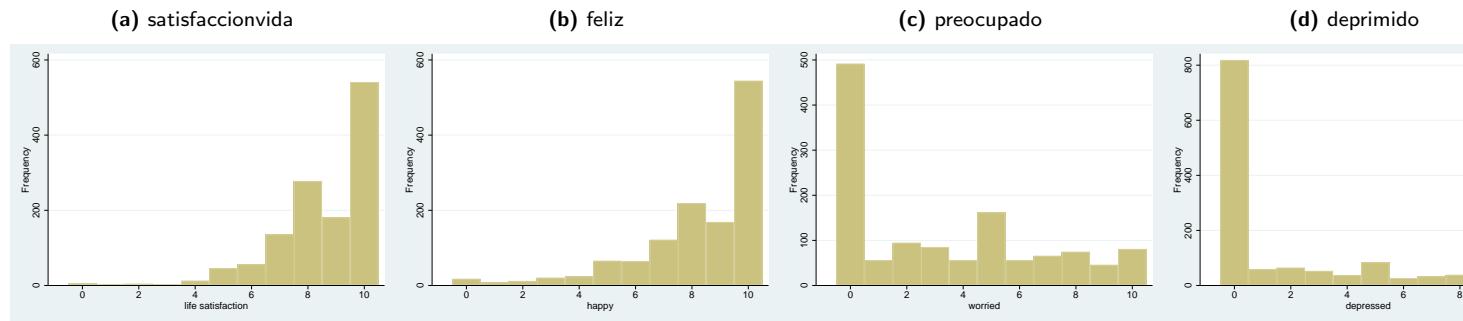


Figure 4: Variables' distribution.

Figure 5: SWB measures' distributions.



Pairwise correlations all significant at .05

| | satisfaccionvida | feliz | preocupado | deprimido |
|------------------|------------------|-------|------------|-----------|
| satisfaccionvida | 1.0 | | | |
| feliz | 0.4 | 1.0 | | |
| preocupado | -0.2 | -0.4 | 1.0 | |
| deprimido | -0.3 | -0.5 | 0.5 | 1.0 |

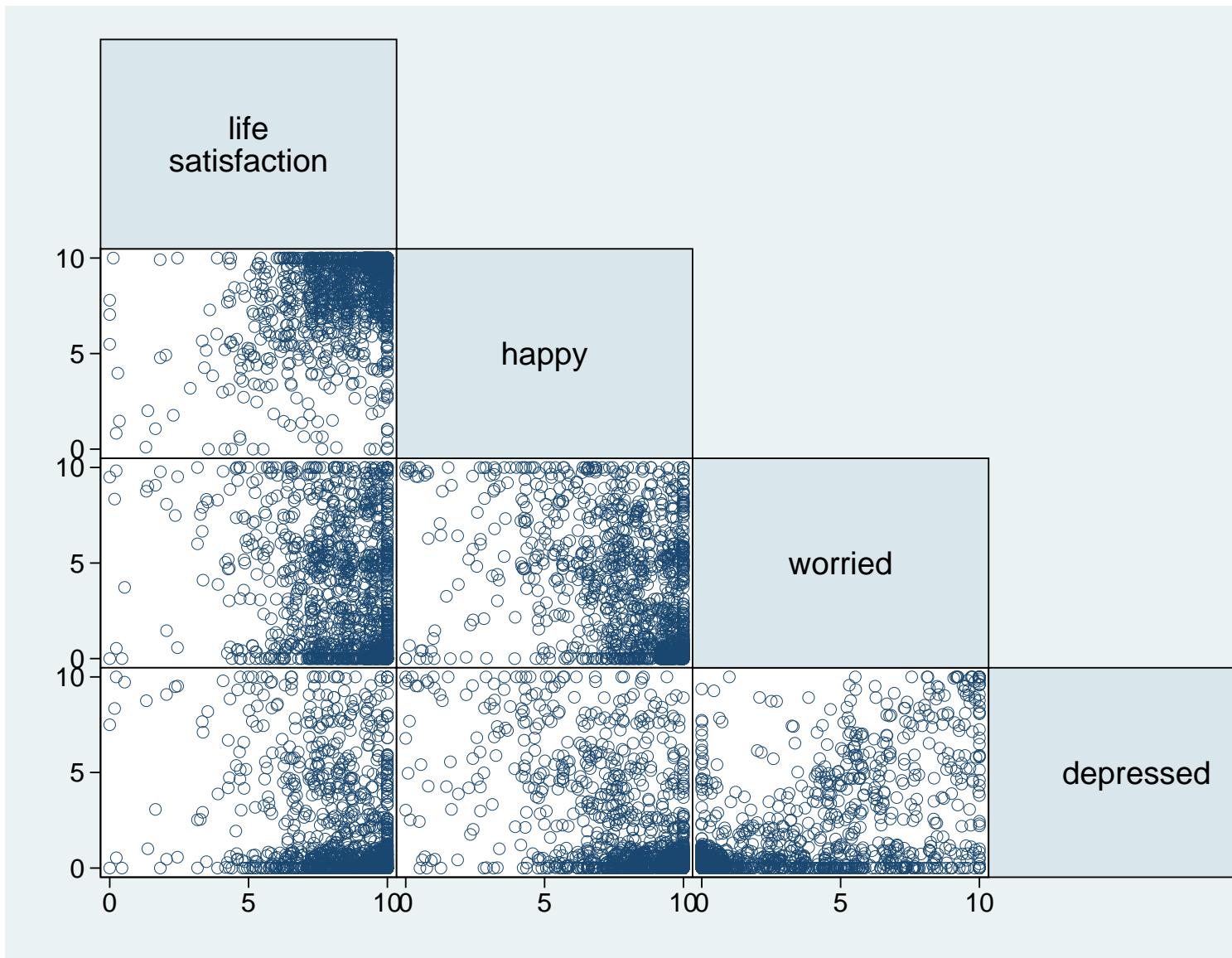


Figure 6: Scatterplot matrix.

So in fig 5: depression may be low around 0 for many people, but among those the other 3 vars differ widely. And then for life satisfaction many at 10, but among those preoccupation varies a lot.

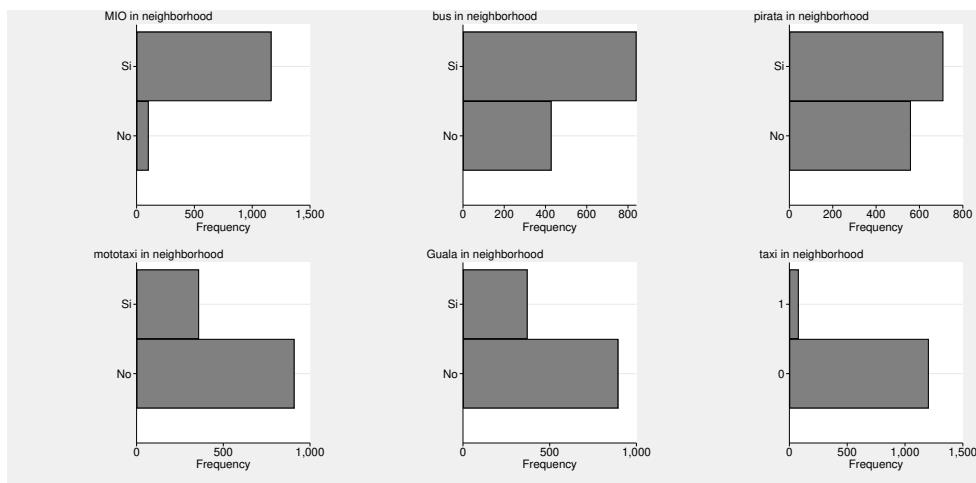
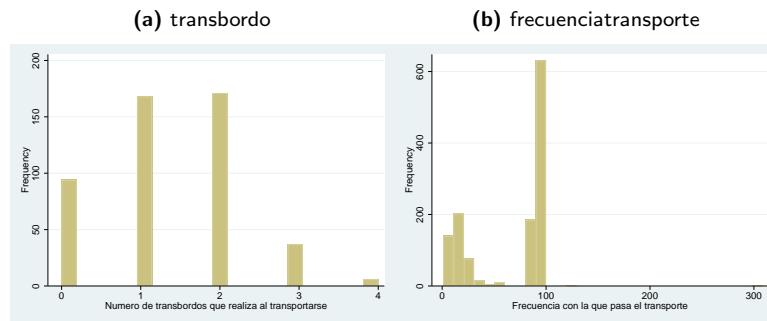


Figure 7: Variables' distribution.

Figure 8: Transpo.



Interesting wide variability here in terms of time to various amenities

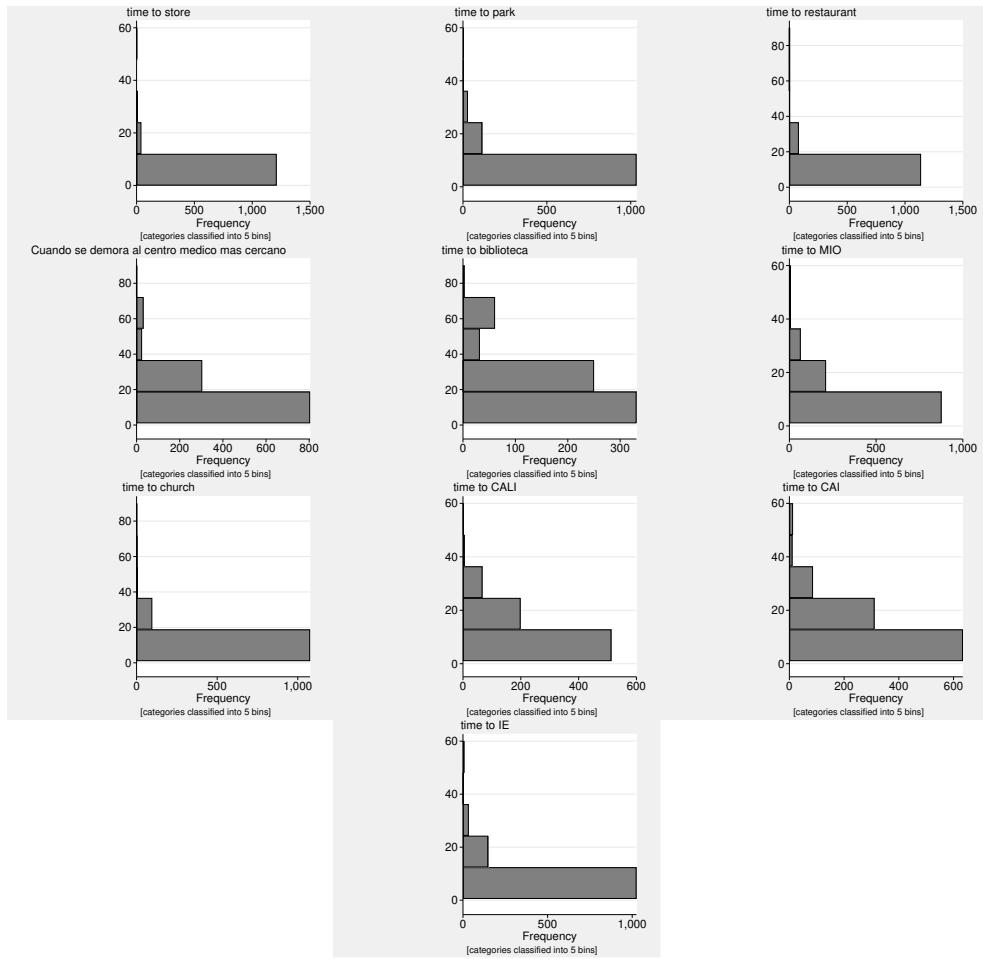


Figure 9: Variables' distribution.

1 Results

1.1 Mala MIO

When you think about MIO or MIO bus stop, many things may come to mind, but happiness is not one of them.

MIO often is a stressful and unhappy experience around it and inside of it due to crowding and traffic—for instance see pictures taken by one of the authors.

Another figure 10 highlights that bus stops are made of plentiful of metal and concrete.

Figure 10: MIO crowding around station and inside.



Figure 11: Metal and concrete.



| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|--------|
| Acceso a medio de transporte: MIO | -0.30* | -0.33* | -0.34* | -0.36* | -0.38* | -0.40* |
| Edad | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 |
| edad2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RECODE of sexo (Sexo) | 0.21+ | 0.24* | 0.23* | 0.19+ | 0.25* | |
| Menos de 1 SMMLV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mas de 1 SMMLV y menos de 2 SMMLV | 0.29* | 0.30* | 0.25+ | 0.28* | 0.26+ | |
| Mas de 2 SMMLV y menos de 4 SMMLV | 0.41* | 0.43* | 0.38+ | 0.35+ | 0.37+ | |
| Mas de 4 SMMLV y menos de 8 SMMLV | 0.72** | 0.75** | 0.70* | 0.57* | 0.60* | |
| Mas de 8 SMMLV | 0.74+ | 0.70+ | 0.73+ | 0.45 | 0.39 | |
| No tiene ingresos | -0.03 | -0.01 | -0.06 | -0.07 | -0.08 | |
| Blanco | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mestizo | 0.05 | 0.09 | 0.03 | 0.08 | 0.09 | |
| Indigena | 0.14 | 0.12 | 0.09 | 0.14 | 0.06 | |
| Negro/afro | -0.06 | -0.05 | -0.04 | -0.02 | -0.02 | |
| Otro | 0.14 | 0.09 | 0.12 | 0.18 | 0.13 | |
| Ninguno | 0.64* | 0.63* | 0.62* | 0.66* | 0.64* | |
| Casado(a) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Union libre | 0.05 | 0.05 | 0.04 | 0.07 | 0.07 | |
| Separado/divorciado | -0.65** | -0.69** | -0.69** | -0.64** | -0.74** | |
| Soltero(a) | -0.35* | -0.36* | -0.36* | -0.34* | -0.36* | |
| Viudo(a) | 0.08 | 0.08 | 0.01 | 0.12 | 0.07 | |
| Primaria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Secundaria | 0.01 | 0.02 | -0.01 | -0.03 | 0.00 | |
| Tecnica | -0.19 | -0.16 | -0.22 | -0.25 | -0.22 | |
| Profesional | -0.19 | -0.18 | -0.23 | -0.34 | -0.30 | |
| Posgrado | -0.29 | -0.28 | -0.30 | -0.53+ | -0.45 | |
| Ninguno | 2.01*** | 1.66*** | 1.72*** | 1.99*** | 1.41*** | |
| Estado de salud | 0.29*** | 0.28*** | 0.29*** | 0.27*** | 0.27*** | |
| En su barrio ha ocurrido algun tipo de crimen | 24 | -0.21+ | | | -0.19 | |
| Lugares baldios en su barrio | | 0.05 | | | 0.08 | |
| Presencia de policia en su barrio | | 0.08 | | | 0.07 | |
| Siente que su barrio es seguro | | -0.01 | | | -0.07 | |
| Siente que su barrio es seguro | | 0.00 | | | | |
| Percepcion de seguridad | | 0.27* | | | 0.33** | |
| Comuna_1 | | | | 0.00 | | 0.00 |

| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|---------|
| 5 quantiles of miotempo=1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 quantiles of miotempo=2 | -0.09 | -0.13 | -0.16 | -0.14 | -0.11 | -0.14 |
| 5 quantiles of miotempo=3 | 0.17 | 0.12 | 0.09 | 0.13 | 0.13 | 0.12 |
| 5 quantiles of miotempo=4 | -0.09 | -0.07 | -0.08 | -0.06 | -0.07 | -0.07 |
| 5 quantiles of miotempo=5 | 0.25 | 0.25 | 0.26 | 0.27 | 0.29+ | 0.34+ |
| Edad | -0.02 | -0.01 | -0.02 | -0.02 | -0.02 | -0.02 |
| edad2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RECODE of sexo (Sexo) | 0.19+ | 0.22+ | 0.22+ | 0.17 | 0.22+ | |
| Menos de 1 SMMLV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mas de 1 SMMLV y menos de 2 SMMLV | 0.37* | 0.37* | 0.33* | 0.37* | 0.33* | |
| Mas de 2 SMMLV y menos de 4 SMMLV | 0.45* | 0.46* | 0.42+ | 0.41+ | 0.41+ | |
| Mas de 4 SMMLV y menos de 8 SMMLV | 0.81** | 0.86** | 0.78** | 0.67* | 0.69* | |
| Mas de 8 SMMLV | 0.72+ | 0.65 | 0.70+ | 0.45 | 0.34 | |
| No tiene ingresos | 0.01 | 0.03 | -0.01 | -0.03 | -0.03 | |
| Blanco | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mestizo | 0.01 | 0.04 | -0.02 | 0.04 | 0.04 | |
| Indigena | 0.10 | 0.07 | 0.04 | 0.11 | -0.02 | |
| Negro/afro | -0.12 | -0.12 | -0.11 | -0.10 | -0.10 | |
| Otro | 0.04 | -0.02 | 0.04 | 0.09 | 0.06 | |
| Ninguno | 0.47 | 0.51+ | 0.42 | 0.51+ | 0.50 | |
| Casado(a) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Union ibre | 0.04 | 0.03 | 0.04 | 0.06 | 0.06 | |
| Separado/divorciado | -0.61* | -0.67** | -0.64* | -0.60* | -0.70** | |
| Soltero(a) | -0.37* | -0.38* | -0.38* | -0.36* | -0.38* | |
| Viudo(a) | 0.00 | 0.02 | -0.09 | 0.08 | 0.01 | |
| Primaria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Secundaria | -0.08 | -0.08 | -0.09 | -0.13 | -0.08 | |
| Tecnica | -0.35 | -0.33 | -0.35 | -0.44+ | -0.37 | |
| Profesional | -0.27 | -0.25 | -0.25 | -0.42+ | -0.33 | |
| Posgrado | -0.40 | -0.39 | -0.33 | -0.65* | -0.50 | |
| Ninguno | 1.72*** | 1.33*** | 1.46*** | 1.68*** | 1.11** | |
| Estado de salud | 0.29*** | 0.28*** | 0.29*** | 0.27*** | 0.27*** | |
| En su barrio ha ocurrido algun tipo de crimen | | -0.23+ | | | -0.22+ | |
| Lugares baldios en su barrio | 0.05 | | | | 0.07 | |
| Presencia de policia en su barrio | 0.13 | | | | 0.11 | |
| Siente que su barrio es seguro | -0.03 | | | | -0.09 | |
| Siente que su barrio es seguro | 0.00 | | | | | |
| Percepcion de seguridad | 0.25* | | | | 0.29** | |
| Comuna=1 | | 0.00 | | | 0.00 | |
| Comuna=2 | | -0.21 | | | -0.39 | |
| Comuna=3 | | 0.08 | | | 0.05 | |
| Comuna=4 | | 0.18 | | | 0.09 | |
| Comuna=5 | | -0.27 | | | -0.34 | |
| Comuna=6 | | 0.09 | | | 0.04 | |
| Comuna=7 | | -0.39 | | | -0.54 | |
| Comuna=8 | | -0.34 | | | -0.30 | |
| Comuna=9 | | 0.08 | | | -0.04 | |
| Comuna=10 | | 0.01 | | | -0.14 | |
| Comuna=11 | | 0.06 | | | -0.03 | |
| Comuna=12 | | -0.16 | | | -0.28 | |
| Comuna=13 | | -0.34 | | | -0.32 | |
| Comuna=14 | | -0.27 | | | -0.20 | |
| Comuna=15 | | -0.54 | | | -0.57 | |
| Comuna=16 | | 0.24 | | | 0.12 | |
| Comuna=17 | | -0.06 | | | -0.34 | |
| Comuna=18 | | -0.04 | | | 0.04 | |
| Comuna=19 | | -0.28 | | | -0.50 | |
| Comuna=20 | | 0.04 | | | 0.07 | |
| Comuna=21 | | 0.11 | | | 0.08 | |
| Comuna=22 | | 0.32 | | | -0.03 | |
| Comuna=23 | | -0.79 | | | -0.88 | |
| Estrato Socioeconomico=1 | | | 0.00 | 0.00 | | |
| Estrato Socioeconomico=2 | | | 0.20 | 0.21 | | |
| Estrato Socioeconomico=3 | | | 0.16 | 0.20 | | |
| Estrato Socioeconomico=4 | | | 0.19 | 0.33 | | |
| Estrato Socioeconomico=5 | | | 0.68** | 0.90** | | |
| Estrato Socioeconomico=6 | | | 0.56 | 0.63 | | |
| Siente que su barrio es seguro | | | | 0.00 | | |
| constant | 8.50*** | 7.88*** | 7.86*** | 8.07*** | 7.88*** | 8.04*** |
| N | 1166 | 1116 | 1103 | 1109 | 1112 | 1092 |

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust
std err

Table 5: OLS regressions of satisfaccionvida.note 5th quintile is 18 min or more

| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|---------|
| Acceso a medio de transporte: Bus | 0.19+ | 0.18+ | 0.19+ | 0.16 | 0.17 | 0.15 |
| Edad | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 |
| edad2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RECODE of sexo (Sexo) | 0.20+ | 0.23* | 0.22* | 0.17 | 0.23* | |
| Menos de 1 SMMLV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mas de 1 SMMLV y menos de 2 SMMLV | 0.27+ | 0.28* | 0.23+ | 0.27+ | 0.25+ | |
| Mas de 2 SMMLV y menos de 4 SMMLV | 0.37+ | 0.39+ | 0.35 | 0.32 | 0.34 | |
| Mas de 4 SMMLV y menos de 8 SMMLV | 0.69** | 0.73** | 0.68* | 0.55* | 0.58* | |
| Mas de 8 SMMLV | 0.76* | 0.73+ | 0.74+ | 0.45 | 0.40 | |
| No tiene ingresos | -0.04 | -0.02 | -0.07 | -0.08 | -0.08 | |
| Blanco | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mestizo | 0.05 | 0.09 | 0.02 | 0.07 | 0.08 | |
| Indígena | 0.18 | 0.16 | 0.12 | 0.18 | 0.09 | |
| Negro/afro | -0.07 | -0.05 | -0.05 | -0.04 | -0.03 | |
| Otro | 0.23 | 0.20 | 0.22 | 0.29 | 0.24 | |
| Ninguno | 0.69* | 0.68* | 0.67* | 0.71** | 0.69* | |
| Casado(a) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Union ibre | 0.06 | 0.06 | 0.05 | 0.08 | 0.08 | |
| Separado/divorciado | -0.64** | -0.69** | -0.68** | -0.63** | -0.73** | |
| Soltero(a) | -0.36* | -0.37* | -0.36* | -0.34* | -0.36* | |
| Viudo(a) | 0.10 | 0.10 | 0.05 | 0.13 | 0.09 | |
| Primaria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Secundaria | 0.01 | 0.01 | -0.01 | -0.02 | 0.00 | |
| Tecnica | -0.20 | -0.18 | -0.23 | -0.26 | -0.23 | |
| Profesional | -0.21 | -0.20 | -0.24 | -0.33 | -0.31 | |
| Posgrado | -0.32 | -0.31 | -0.33 | -0.54+ | -0.48 | |
| Ninguno | 2.06*** | 1.72*** | 1.76*** | 2.01*** | 1.45*** | |
| Estado de salud | 0.28*** | 0.27*** | 0.29*** | 0.27*** | 0.27*** | |
| En su barrio ha ocurrido algun tipo de crimen | | -0.22+ | | | -0.20 | |
| Lugares baldios en su barrio | | 0.06 | | | 0.07 | |
| Presencia de policia en su barrio | | 0.06 | | | 0.06 | |
| Siente que su barrio es seguro | | -0.02 | | | -0.08 | |
| Siente que su barrio es seguro | | 0.00 | | | | |
| Percepcion de seguridad | | 0.26* | | | 0.31** | |
| Comuna=1 | | | 0.00 | | 0.00 | |
| Comuna=2 | | | -0.25 | | -0.47 | |
| Comuna=3 | | | -0.08 | | -0.19 | |
| Comuna=4 | | | 0.03 | | -0.13 | |
| Comuna=5 | | | -0.22 | | -0.38 | |
| Comuna=6 | | | -0.09 | | -0.17 | |
| Comuna=7 | | | -0.51 | | -0.67+ | |
| Comuna=8 | | | -0.48 | | -0.50 | |
| Comuna=9 | | | -0.06 | | -0.25 | |
| Comuna=10 | | | -0.11 | | -0.31 | |
| Comuna=11 | | | -0.19 | | -0.32 | |
| Comuna=12 | | | -0.21 | | -0.37 | |
| Comuna=13 | | | -0.44 | | -0.46 | |
| Comuna=14 | | | -0.38 | | -0.37 | |
| Comuna=15 | | | -0.56 | | -0.62 | |
| Comuna=16 | | | 0.13 | | 0.03 | |
| Comuna=17 | | | -0.07 | | -0.39 | |
| Comuna=18 | | | -0.09 | | -0.13 | |
| Comuna=19 | | | -0.27 | | -0.58 | |
| Comuna=20 | | | -0.04 | | -0.08 | |
| Comuna=21 | | | 0.05 | | -0.02 | |
| Comuna=22 | | | 0.21 | | -0.15 | |
| Comuna=23 | | | -0.57 | | -0.74 | |
| Estrato Socioeconomico=1 | | | | 0.00 | 0.00 | |
| Estrato Socioeconomico=2 | | | | 0.08 | 0.10 | |
| Estrato Socioeconomico=3 | | | | 0.10 | 0.18 | |
| Estrato Socioeconomico=4 | | | | 0.17 | 0.31 | |
| Estrato Socioeconomico=5 | | | | 0.60** | 0.79** | |
| Estrato Socioeconomico=6 | | | | 0.49 | 0.62 | |
| Siente que su barrio es seguro | | | | | 0.00 | |
| constant | 8.43*** | 7.77*** | 7.72*** | 8.04*** | 7.81*** | 8.05*** |
| N | 1268 | 1211 | 1194 | 1204 | 1207 | 1183 |

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust
std err

Table 6: OLS regressions of satisfaccionvida.

| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|---------|
| Caminando | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Moto o carro | 0.40* | 0.40* | 0.44* | 0.35+ | 0.41* | 0.44* |
| MIO o bus | -0.06 | -0.01 | 0.01 | -0.03 | -0.01 | 0.01 |
| Bicicleta | -0.78 | -0.67 | -0.65 | -0.63 | -0.70 | -0.63 |
| NS/NR | 0.69*** | 0.77*** | 0.79*** | 0.73*** | 0.74*** | 0.71** |
| No hay | -0.04 | 0.01 | -0.07 | -0.03 | 0.04 | -0.08 |
| Edad | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 |
| edad2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RECODE of sexo (Sexo) | 0.21+ | 0.24* | 0.23* | 0.18+ | 0.24* | |
| Menos de 1 SMMLV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mas de 1 SMMLV y menos de 2 SMMLV | 0.29* | 0.30* | 0.25+ | 0.29* | 0.27+ | |
| Mas de 2 SMMLV y menos de 4 SMMLV | 0.39+ | 0.40+ | 0.36+ | 0.35 | 0.35 | |
| Mas de 4 SMMLV y menos de 8 SMMLV | 0.68** | 0.71* | 0.67* | 0.55* | 0.57+ | |
| Mas de 8 SMMLV | 0.64+ | 0.59 | 0.63 | 0.35 | 0.29 | |
| No tiene ingresos | -0.05 | -0.02 | -0.07 | -0.09 | -0.08 | |
| Blanco | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mestizo | 0.04 | 0.07 | 0.01 | 0.07 | 0.07 | |
| Indigena | 0.10 | 0.08 | 0.05 | 0.11 | 0.02 | |
| Negro/afro | -0.08 | -0.07 | -0.07 | -0.05 | -0.05 | |
| Otro | 0.12 | 0.06 | 0.14 | 0.17 | 0.13 | |
| Ninguno | 0.62* | 0.60* | 0.59* | 0.65* | 0.62* | |
| Casado(a) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Union libre | 0.07 | 0.06 | 0.06 | 0.09 | 0.09 | |
| Separado/divorciado | -0.65** | -0.70** | -0.69** | -0.63** | -0.74** | |
| Soltero(a) | -0.35* | -0.36* | -0.35* | -0.33* | -0.36* | |
| Viudo(a) | 0.02 | 0.01 | -0.03 | 0.08 | 0.03 | |
| Primaria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Secundaria | -0.01 | -0.01 | -0.02 | -0.04 | -0.02 | |
| Tecnica | -0.24 | -0.22 | -0.26 | -0.30 | -0.27 | |
| Profesional | -0.22 | -0.21 | -0.24 | -0.35 | -0.32 | |
| Posgrado | -0.28 | -0.27 | -0.27 | -0.50 | -0.42 | |
| Ninguno | 1.97*** | 1.64*** | 1.71*** | 1.96*** | 1.42*** | |
| Estado de salud | 0.29*** | 0.28*** | 0.30*** | 0.28*** | 0.27*** | |
| En su barrio ha ocurrido algun tipo de crimen | | -0.23+ | | | -0.21+ | |
| Lugares baldios en su barrio | 0.04 | | | | 0.06 | |
| Presencia de policia en su barrio | 0.09 | | | | 0.07 | |
| Siente que su barrio es seguro | -0.04 | | | | -0.10 | |
| Siente que su barrio es seguro | 0.00 | | | | | |
| Percepcion de seguridad | 0.27* | | | | 0.32** | |
| Comuna=1 | | 0.00 | | | 0.00 | |
| Comuna=2 | | -0.22 | | | -0.45 | |
| Comuna=3 | | -0.02 | | | -0.13 | |
| Comuna=4 | | 0.09 | | | -0.09 | |
| Comuna=5 | | -0.26 | | | -0.42 | |
| Comuna=6 | | -0.03 | | | -0.13 | |
| Comuna=7 | | -0.44 | | | -0.61 | |
| Comuna=8 | | -0.43 | | | -0.47 | |
| Comuna=9 | | -0.03 | | | -0.23 | |
| Comuna=10 | | -0.07 | | | -0.28 | |
| Comuna=11 | | -0.10 | | | -0.25 | |
| Comuna=12 | | -0.22 | | | -0.39 | |
| Comuna=13 | | -0.40 | | | -0.43 | |
| Comuna=14 | | -0.33 | | | -0.33 | |
| Comuna=15 | | -0.54 | | | -0.62 | |
| Comuna=16 | | 0.18 | | | 0.07 | |
| Comuna=17 | | -0.06 | | | -0.37 | |
| Comuna=18 | | -0.07 | | | -0.10 | |
| Comuna=19 | | -0.27 | | | -0.57 | |
| Comuna=20 | | -0.01 | | | -0.06 | |
| Comuna=21 | | 0.07 | | | -0.01 | |
| Comuna=22 | | 0.21 | | | -0.18 | |
| Comuna=23 | | -0.56 | | | -0.73 | |
| Estrato Socioeconomico=1 | | | 0.00 | | 0.00 | |
| Estrato Socioeconomico=2 | | | 0.12 | | 0.14 | |
| Estrato Socioeconomico=3 | | | 0.12 | | 0.20 | |
| Estrato Socioeconomico=4 | | | 0.16 | | 0.29 | |
| Estrato Socioeconomico=5 | | | 0.61** | | 0.80** | |
| Estrato Socioeconomico=6 | | | 0.50 | | 0.59 | |
| Siente que su barrio es seguro | | | | | 0.00 | |
| constant | 8.53*** | 7.88*** | 7.84*** | 8.12*** | 7.90*** | 8.13*** |
| N | 1260 | 1205 | 1188 | 1198 | 1201 | 1177 |

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust
std err

Table 7: OLS regressions of satisfaccionvida.

| | a1 | a2 | a3 | a4 | a5 | a6 |
|--|----------|----------|----------|----------|---------|---------|
| Numero de transbordos que realiza al transportarse=0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Numero de transbordos que realiza al transportarse=1 | 0.33 | 0.44+ | 0.45+ | 0.40 | 0.38 | 0.38 |
| Numero de transbordos que realiza al transportarse=2 | 0.20 | 0.24 | 0.32 | 0.22 | 0.23 | 0.30 |
| Numero de transbordos que realiza al transportarse=3 | -0.15 | 0.04 | 0.09 | 0.02 | 0.01 | 0.08 |
| Numero de transbordos que realiza al transportarse=4 | 0.13 | 0.81 | 0.97* | 0.82+ | 0.67 | 0.94 |
| Edad | -0.00 | -0.01 | -0.00 | 0.00 | -0.01 | |
| edad2 | 0.00 | 0.00 | -0.00 | -0.00 | 0.00 | |
| RECODE of sexo (Sexo) | 0.21 | 0.26 | 0.22 | 0.23 | 0.30+ | |
| Menos de 1 SMMLV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mas de 1 SMMLV y menos de 2 SMMLV | 0.14 | 0.18 | 0.01 | 0.10 | 0.04 | |
| Mas de 2 SMMLV y menos de 4 SMMLV | -0.09 | -0.08 | -0.09 | -0.23 | -0.20 | |
| Mas de 4 SMMLV y menos de 8 SMMLV | 0.92* | 0.80* | 0.61 | 0.76+ | 0.48 | |
| Mas de 8 SMMLV | -0.70* | -0.82* | -1.51*** | -0.74* | -1.53** | |
| No tiene ingresos | 0.07 | 0.17 | -0.01 | 0.05 | 0.05 | |
| Blanco | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mestizo | -0.26 | -0.16 | -0.26 | -0.24 | -0.16 | |
| Indígena | -0.60 | -0.66 | -0.66 | -0.52 | -0.70 | |
| Negro/afro | -0.39+ | -0.38+ | -0.26 | -0.33 | -0.20 | |
| Otro | -1.47*** | -1.56*** | -1.50*** | -1.44*** | -1.53** | |
| Ninguno | 1.47*** | 1.45*** | 1.19*** | 1.56*** | 1.28*** | |
| Casado(a) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Union ibre | 0.08 | 0.14 | 0.09 | 0.05 | 0.11 | |
| Separado/divorciado | -0.83* | -0.83+ | -0.85* | -0.89* | -0.84* | |
| Soltero(a) | -0.29 | -0.26 | -0.33 | -0.37 | -0.35 | |
| Viudo(a) | 0.59 | 0.54 | 0.55 | 0.47 | 0.38 | |
| Primaria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Secundaria | 0.30 | 0.35 | 0.22 | 0.34 | 0.32 | |
| Tecnica | -0.02 | 0.03 | -0.10 | 0.00 | 0.01 | |
| Profesional | -0.16 | -0.16 | -0.24 | -0.21 | -0.24 | |
| Posgrado | -0.08 | 0.04 | -0.28 | -0.47 | -0.40 | |
| Estado de salud | 0.33*** | 0.33*** | 0.33*** | 0.32*** | 0.33*** | |
| En su barrio ha ocurrido algun tipo de crimen | | -0.09 | | | -0.01 | |
| Lugares baldios en su barrio | 0.22 | | | | 0.16 | |
| Presencia de policia en su barrio | 0.10 | | | | 0.12 | |
| Siente que su barrio es seguro | -0.00 | | | | -0.12 | |
| Siente que su barrio es seguro | 0.00 | | | | | |
| Percepcion de seguridad | 0.38* | | | | 0.43* | |
| Comuna=1 | | 0.00 | | | 0.00 | |
| Comuna=2 | | -0.32 | | | -0.40 | |
| Comuna=3 | | 0.31 | | | 0.20 | |
| Comuna=4 | | 0.51 | | | 0.42 | |
| Comuna=5 | | 0.47 | | | 0.34 | |
| Comuna=6 | | 0.27 | | | 0.31 | |
| Comuna=7 | | -0.02 | | | -0.01 | |
| Comuna=8 | | -0.12 | | | -0.24 | |
| Comuna=9 | | 0.21 | | | 0.16 | |
| Comuna=10 | | 0.14 | | | -0.16 | |
| Comuna=11 | | -0.04 | | | -0.07 | |
| Comuna=12 | | -0.70 | | | -0.80 | |
| Comuna=13 | | -0.46 | | | -0.47 | |
| Comuna=14 | | -0.41 | | | -0.49 | |
| Comuna=15 | | -0.56 | | | -0.61 | |
| Comuna=16 | | 0.05 | | | -0.01 | |
| Comuna=17 | | -0.02 | | | -0.43 | |
| Comuna=18 | | 0.46 | | | 0.40 | |
| Comuna=19 | | 0.45 | | | -0.01 | |
| Comuna=20 | | 0.04 | | | -0.08 | |
| Comuna=21 | | 0.66 | | | 0.50 | |
| Comuna=22 | | -1.34+ | | | -1.89+ | |
| Comuna=23 | | -1.57+ | | | -1.47 | |
| Estrato Socioeconomico=1 | | | 0.00 | | 0.00 | |
| Estrato Socioeconomico=2 | | | -0.24 | | -0.18 | |
| Estrato Socioeconomico=3 | | | 0.01 | | 0.01 | |
| Estrato Socioeconomico=4 | | | 0.23 | | 0.41 | |
| Estrato Socioeconomico=5 | | | 0.91* | | 1.24* | |
| Estrato Socioeconomico=6 | | | 1.24*** | | 1.77*** | |
| Siente que su barrio es seguro | | | | | 0.00 | |
| constant | 8.37*** | 7.40*** | 6.92*** | 7.52*** | 7.42*** | 7.21*** |
| N | 475 | 454 | 447 | 453 | 453 | 445 |

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust
std err

Table 8: OLS regressions of satisfaccionvida. Interesting, just 500 obs, would be significant otherwise, big coef magnitude, the last one sig at .11 (but not .10)

Access to MIO across neighborhoods

Below is a listing of access to MIO by comuna and barrio.

Comuna 1 has by far most people saying "No," and almost all comunas have few people saying "No."

| Comuna | Acceso a medio de transporte: MIO | | |
|--------|-----------------------------------|-------|-------|
| | No | Si | Total |
| 1 | 35 | 18 | 53 |
| 2 | 8 | 76 | 84 |
| 3 | 2 | 47 | 49 |
| 4 | 2 | 52 | 54 |
| 5 | 2 | 40 | 42 |
| 6 | 3 | 88 | 91 |
| 7 | 6 | 37 | 43 |
| 8 | 2 | 50 | 52 |
| 9 | 0 | 46 | 46 |
| 10 | 4 | 52 | 56 |
| 11 | 0 | 43 | 43 |
| 12 | 1 | 27 | 28 |
| 13 | 6 | 78 | 84 |
| 14 | 6 | 81 | 87 |
| 15 | 4 | 38 | 42 |
| 16 | 5 | 58 | 63 |
| 17 | 3 | 103 | 106 |
| 18 | 5 | 54 | 59 |
| 19 | 2 | 58 | 60 |
| 20 | 4 | 40 | 44 |
| 21 | 2 | 47 | 49 |
| 22 | 1 | 19 | 20 |
| 23 | 1 | 6 | 7 |
| Total | 104 | 1,158 | 1,262 |

And more fine resolution by barrio. Many barrios have a person or two reporting not having access to MIO, and while MIO is ubiquitous throughout Cali, it is perfectly reasonable for a respondent to live in a section of a barrio that is relatively far from MIO **Lina, is that right? or people report nonsense**

One barrio, Terron Colorado, clearly stands out with 33 people saying "No" Second biggest has 9, third biggest has 4, and all others 3 or fewer. most barrios/neighborhoods dont have anyone saying no access, still the spread is quite large, a few dozen neighborhoods have at least one person saying no access

| Barrio de residencia | Acceso a medio de transporte: MIO | | |
|------------------------|-----------------------------------|----|-------|
| | No | Si | Total |
| . | 0 | 2 | 2 |
| Aguablanca | 0 | 4 | 4 |
| Aguablanca | 0 | 2 | 2 |
| Aguacatala | 1 | 4 | 5 |
| Alameda | 0 | 4 | 4 |
| Alameda | 0 | 3 | 3 |
| Alferez Real | 0 | 1 | 1 |
| Alfonso Barberena | 0 | 1 | 1 |
| Alfonso Bonilla Ara... | 1 | 12 | 13 |
| Alfonso Lopez | 4 | 16 | 20 |
| Alfonso Lopez III | 0 | 2 | 2 |
| Alirio Mora Beltran | 0 | 5 | 5 |
| Alto Napolis | 1 | 2 | 3 |
| Alto napoles | 0 | 1 | 1 |
| Altos de Menga | 0 | 1 | 1 |
| Antonio Narino | 2 | 11 | 13 |
| Aranjuez | 0 | 5 | 5 |
| Asturias | 0 | 2 | 2 |
| Asturias | 0 | 1 | 1 |
| Atanasio Girardot | 0 | 3 | 3 |
| Barrio Departamental | 0 | 3 | 3 |

| | | | |
|-----------------------|---|-----|-----|
| Barrio Obrero | 0 | 3 | 3 |
| Barrio Olaya Herrera | 0 | 1 | 1 |
| Barrio San Carlos | 0 | 5 | 5 |
| Belalcazar | 0 | 1 | 1 |
| Belalcazar | 0 | 2 | 2 |
| Belen | 0 | 5 | 5 |
| Belisario Caicedo | 0 | 2 | 2 |
| Bellavista | 2 | 7 | 9 |
| Bolivariano | 0 | 2 | 2 |
| Bolivariano | 0 | 1 | 1 |
| Bretana | 0 | 12 | 12 |
| Brisas de Mayo | 0 | 5 | 5 |
| Brisas de los Alamos | 1 | 14 | 15 |
| Brisas del Limonar | 0 | 1 | 1 |
| Buenos Aires | 0 | 4 | 4 |
| Caldas | 0 | 4 | 4 |
| Calima | 0 | 7 | 7 |
| Calimio | 1 | 6 | 7 |
| Desepaz | 0 | 4 | 4 |
| Calypso | 0 | 2 | 2 |
| Calypso | 0 | 2 | 2 |
| Camino Real - Joaqu.. | 0 | 4 | 4 |
| Canaverales - Los S.. | 0 | 2 | 2 |
| Caney | 0 | 27 | 27 |
| Capri | 0 | 6 | 6 |
| Caaverales - Los .. | 0 | 1 | 1 |
| Centenario | 0 | 5 | 5 |
| Champagnat | 0 | 4 | 4 |
| Champagnat | 0 | 1 | 1 |
| Chapinero | 0 | 2 | 2 |
| Charco Azul | 0 | 1 | 1 |
| Chiminangos I | 0 | 1 | 1 |
| Chiminangos II | 0 | 2 | 2 |
| Chipichape | 0 | 1 | 1 |
| Ciudad 2000 | 1 | 5 | 6 |
| Ciudad Cordoba | 1 | 21 | 22 |
| Ciudad Talanga | 0 | 2 | 2 |
| Ciudad los Alamos | 0 | 2 | 2 |
| Ciudadela Floraia | 2 | 52 | 54 |
| Ciudadela del Rio -- | 0 | 1 | 1 |
| Ciudadela del Rio -- | 0 | 2 | 2 |
| Ciudadela del campo | 0 | 1 | 1 |
| Colseguros Andes | 0 | 2 | 2 |
| Colseguros Andes | 0 | 4 | 4 |
| Compartir | 0 | 5 | 5 |
| Compartir | 0 | 3 | 3 |
| Cristobal Colon | 0 | 4 | 4 |
| Cuarto de Legua - G.. | 0 | 1 | 1 |
| Danubio | 0 | 1 | 1 |
| Doce de Octubre | 0 | 1 | 1 |
| El Bosque | 0 | 4 | 4 |
| El Diamante | 1 | 7 | 8 |
| El Diamante | 0 | 1 | 1 |
| El Dorado | 0 | 3 | 3 |
| El Guabal | 0 | 6 | 6 |
| El Ingenio | 0 | 9 | 9 |
| El Jardin | 0 | 6 | 6 |
| El Jordan | 0 | 2 | 2 |
| El Lido | 0 | 3 | 3 |
| El Limonar | 0 | 6 | 6 |
| El Morichal | 9 | 117 | 126 |
| El Mortinal | 0 | 1 | 1 |
| El Nacional | 0 | 2 | 2 |
| El Paraiso | 0 | 3 | 3 |
| El Piloto | 0 | 1 | 1 |
| El Poblado | 3 | 21 | 24 |
| El Poblado II | 0 | 6 | 6 |
| El Recuerdo | 0 | 1 | 1 |
| El Recuerdo | 0 | 2 | 2 |
| El Refugio | 1 | 3 | 4 |
| El Remanso | 0 | 4 | 4 |
| El Rodeo | 0 | 5 | 5 |
| El Sena | 0 | 1 | 1 |
| El Trebol | 0 | 1 | 1 |
| El Trebol | 0 | 1 | 1 |
| El Troncal | 0 | 7 | 7 |
| El Vergel | 1 | 6 | 7 |
| El laguito | 0 | 1 | 1 |
| Flora Industrial | 0 | 4 | 4 |
| Granada | 0 | 8 | 8 |
| Guayaquil | 0 | 3 | 3 |
| Guayaquil | 0 | 4 | 4 |
| Industrial | 0 | 1 | 1 |
| Industrial los mangos | 0 | 1 | 1 |
| Jorge Eliecer Gaitan | 0 | 4 | 4 |
| Jorge Isaacs | 0 | 1 | 1 |
| Jose Manuel Marroqu.. | 0 | 3 | 3 |
| Jose Manuel Marroqu.. | 0 | 1 | 1 |
| Jose Maria Cordoba | 0 | 1 | 1 |
| Juanambu | 0 | 1 | 1 |
| Junin | 0 | 8 | 8 |
| La Alianza | 0 | 1 | 1 |
| La Base | 0 | 3 | 3 |
| La Cascada | 0 | 2 | 2 |
| La Esmeralda | 0 | 1 | 1 |

| | | | |
|------------------------|---|----|----|
| La Flora | 0 | 10 | 10 |
| La Floresta | 0 | 4 | 4 |
| La Fortaleza | 0 | 3 | 3 |
| La Gran Colombia | 0 | 1 | 1 |
| La Hacienda | 0 | 8 | 8 |
| La Independencia | 0 | 2 | 2 |
| La Isla | 1 | 1 | 2 |
| La Libertad | 0 | 1 | 1 |
| La Merced | 0 | 3 | 3 |
| La Playa | 1 | 0 | 1 |
| La Rivera | 0 | 4 | 4 |
| La Selva | 0 | 2 | 2 |
| Las Acacias | 0 | 1 | 1 |
| Las Americas | 0 | 1 | 1 |
| Las Delicias | 0 | 2 | 2 |
| Las Granjas | 0 | 3 | 3 |
| Las Orquideas | 0 | 10 | 10 |
| Las Palmas | 0 | 1 | 1 |
| Las Quintas de Don .. | 0 | 6 | 6 |
| Las acacias | 0 | 2 | 2 |
| Laureano Gomez | 0 | 1 | 1 |
| Leon XIII | 0 | 3 | 3 |
| Lili | 0 | 11 | 11 |
| Lleras Camargo | 1 | 1 | 2 |
| Lleras Restrepo | 0 | 1 | 1 |
| Los Alcazares | 0 | 6 | 6 |
| Los Andes | 1 | 9 | 10 |
| Los Andes B - La Ria.. | 0 | 1 | 1 |
| Los Chorros | 2 | 8 | 10 |
| Los Comuneros I Etapa | 0 | 6 | 6 |
| Los Comuneros II Et.. | 0 | 2 | 2 |
| Los Conquistadores | 0 | 2 | 2 |
| Los Guaduales | 0 | 1 | 1 |
| Los Guayacanes | 0 | 2 | 2 |
| Los Lagos | 0 | 1 | 1 |
| Los Libertadores | 0 | 1 | 1 |
| Los Naranjos I | 0 | 6 | 6 |
| Los Parques Barrang... | 0 | 2 | 2 |
| Los Pinos | 0 | 1 | 1 |
| Los Portales- Nuevo.. | 0 | 1 | 1 |
| Los Robles | 0 | 1 | 1 |
| Los Sauces | 0 | 2 | 2 |
| Lourdes | 0 | 2 | 2 |
| Lourdes | 0 | 2 | 2 |
| Manuela Beltran | 1 | 23 | 24 |
| Manzanares | 0 | 1 | 1 |
| Mariano Ramos | 0 | 19 | 19 |
| Melendez | 0 | 14 | 14 |
| Menga | 1 | 2 | 3 |
| Metropolitano del N... | 0 | 1 | 1 |
| Miraflores | 0 | 1 | 1 |
| Mojica | 0 | 1 | 1 |
| Municipal | 0 | 2 | 2 |
| Napoles | 0 | 1 | 1 |
| Normandia | 0 | 1 | 1 |
| Normandia | 1 | 3 | 4 |
| Nueva Floresta | 0 | 8 | 8 |
| Nueva Tequendama | 0 | 1 | 1 |
| Olimpico | 0 | 2 | 2 |
| Omar Torrijos | 0 | 1 | 1 |
| Pampa Linda | 0 | 2 | 2 |
| Panamericano | 0 | 4 | 4 |
| Parcelaciones Pance | 0 | 3 | 3 |
| Petcuy Primera Etapa | 0 | 3 | 3 |
| Petcuy Segunda Etapa | 0 | 1 | 1 |
| Pizamos I | 0 | 4 | 4 |
| Polvorines | 0 | 1 | 1 |
| Popular | 1 | 7 | 8 |
| Porvenir | 0 | 6 | 6 |
| Potrero Grande | 0 | 9 | 9 |
| Prados del Norte | 0 | 1 | 1 |
| Prados del Oriente | 0 | 3 | 3 |
| Prados del Sur | 0 | 3 | 3 |
| Primavera | 0 | 1 | 1 |
| Primero de Mayo | 0 | 4 | 4 |
| Primitivo Crespo | 0 | 1 | 1 |
| Puerta del Sol | 3 | 13 | 16 |
| Puerto Mallarino | 0 | 3 | 3 |
| Rafael Uribe Uribe | 1 | 0 | 1 |
| Republica de Israel | 0 | 13 | 13 |
| Ricardo Balcazar | 0 | 3 | 3 |
| Rodrigo Lara Bonilla | 0 | 1 | 1 |
| Saavedra Galindo | 0 | 4 | 4 |
| Salomia | 0 | 15 | 15 |
| San Antonio | 1 | 5 | 6 |
| San Cayetano | 0 | 1 | 1 |
| San Fernando Nuevo | 0 | 6 | 6 |
| San Fernando Viejo | 0 | 4 | 4 |
| San Juan Bosco | 0 | 9 | 9 |
| San Judas Tadeo II | 1 | 1 | 2 |
| San Luis | 0 | 9 | 9 |
| San Luis II | 0 | 1 | 1 |
| San Marino | 2 | 3 | 5 |
| San Nicolas | 1 | 2 | 3 |

| | | | |
|-----------------------|-----|-------|-------|
| San Pascual | 0 | 22 | 22 |
| San Pedro | 0 | 1 | 1 |
| San Pedro Claver | 0 | 1 | 1 |
| Santa Anita - La Se.. | 0 | 2 | 2 |
| Santa Barbara | 0 | 1 | 1 |
| Santa Elena | 3 | 3 | 6 |
| Santa Fe | 1 | 4 | 5 |
| Santa Isabel | 0 | 1 | 1 |
| Santa Monica | 0 | 2 | 2 |
| Santa Monica | 0 | 1 | 1 |
| Santa Monica Popular | 0 | 5 | 5 |
| Santa Teresita | 0 | 5 | 5 |
| Santander | 0 | 1 | 1 |
| Santo Domingo | 0 | 4 | 4 |
| Sector Alto Jordan | 0 | 1 | 1 |
| Sector Alto de los .. | 0 | 1 | 1 |
| Sector Altos de Nor.. | 2 | 3 | 5 |
| Sector Caaveral.. | 0 | 2 | 2 |
| Seminario | 0 | 1 | 1 |
| Siete de Agosto | 0 | 5 | 5 |
| Siloe | 3 | 30 | 33 |
| Simon Bolivar | 0 | 1 | 1 |
| Sindical | 1 | 1 | 2 |
| Sucre | 0 | 1 | 1 |
| Suerte 90 | 0 | 1 | 1 |
| Terron Colorado | 33 | 11 | 44 |
| Torres de Comfandi | 0 | 5 | 5 |
| Ulpliano Lloreda | 1 | 4 | 5 |
| Unicentro Cali | 0 | 2 | 2 |
| Unidad Residencial .. | 0 | 2 | 2 |
| Union de Vivienda P.. | 2 | 7 | 9 |
| Urbanizacion Calimio | 0 | 2 | 2 |
| Urbanizacion Ciudad.. | 1 | 3 | 4 |
| Urbanizacion Nueva .. | 0 | 1 | 1 |
| Urbanizacion San Jo.. | 1 | 1 | 2 |
| Urbanizacion Tequen.. | 0 | 2 | 2 |
| Urbanizacion la Nue.. | 0 | 3 | 3 |
| Vallado | 2 | 9 | 11 |
| Valle Grande | 0 | 9 | 9 |
| Villa Colombia | 0 | 6 | 6 |
| Villa del Lago | 1 | 3 | 4 |
| Villa del Prado - E.. | 0 | 6 | 6 |
| Villa del Sur | 0 | 2 | 2 |
| Villanueva | 0 | 3 | 3 |
| Villanueva | 0 | 1 | 1 |
| Vipasa | 0 | 4 | 4 |
| Vista Hermosa | 2 | 0 | 2 |
| Total | 104 | 1,165 | 1,269 |

Let's zoom in on Terron Colorado in figure 11. Indeed much of it without MIO stops but there are around it at the top on Avenida 15 Oeste and Calle 11 Oeste; and south Cra 1,2, and 4. Indeed, the assessment of whether there is Mio is somewhat subjective, again the actual question is "Walking from your home, what public transport you have access in the neighborhood where you live ?: MIO"

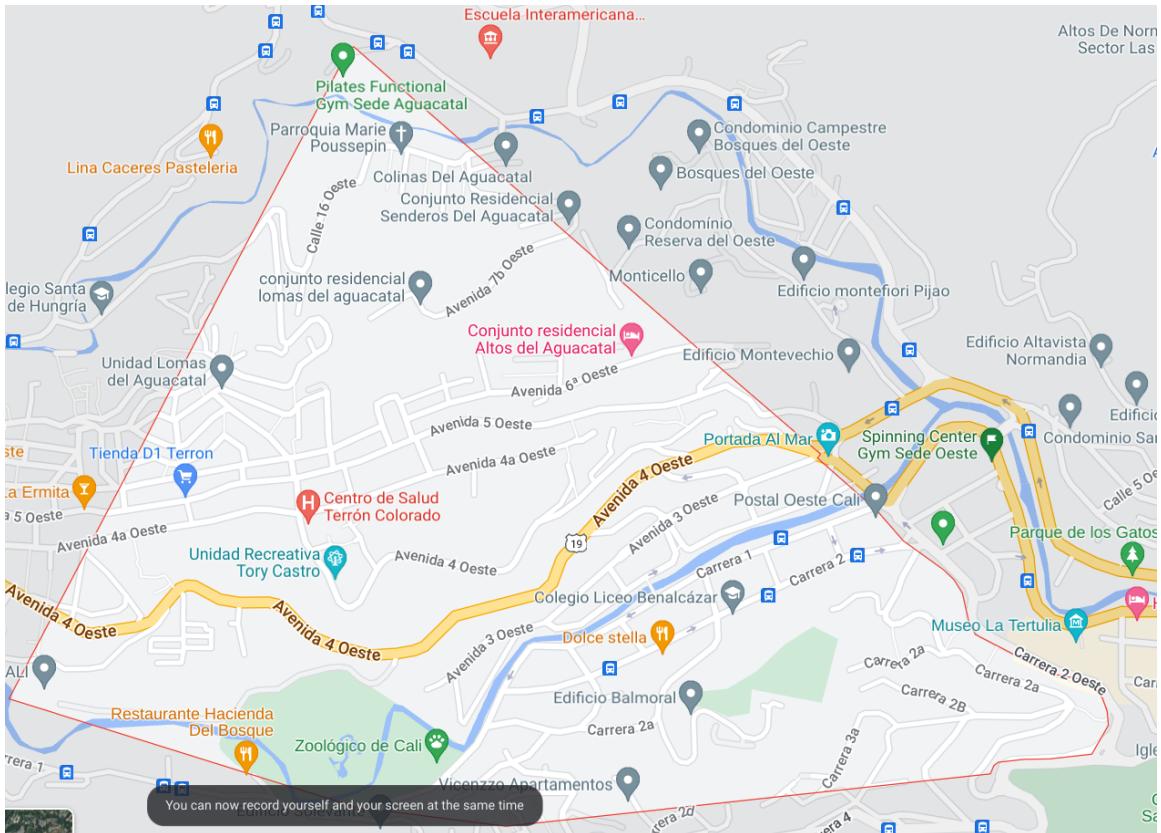


Figure 12: Google Maps image of Terron Colorado.

One of the authors, a long term resident of Cali, has observed that Terron Colorado is served by Gualas instead of a regular bus service

And note robustness checks later in this supplementary material—it is only regular bus service, MIO, not other types of transportation, that is robustly related to lower happiness.

Also, as a sidenote, it is not just the reality, but perception of it that matters for SWB, e.g., it's one thing that there is a bus stop nearby, and another thing that a person thinks there is one; one aspect that matters for whether it registers in person's mind is arguably salience—how important/prominent a bus stop is; future research can look more at actual presence v self report.

Circa o Lehos

Only MIO (again) if far away 5th quintile then good; and biblioteca—anything further than couple minutes bad

| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|---------|
| 5 quantiles of tiendatiempo=1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 quantiles of tiendatiempo=2 | 0.26+ | 0.22 | 0.19 | 0.23 | 0.18 | 0.16 |
| 5 quantiles of tiendatiempo=3 | 0.01 | -0.02 | -0.04 | -0.03 | -0.05 | -0.07 |
| 5 quantiles of tiendatiempo=4 | -0.07 | -0.15 | -0.16 | -0.16 | -0.18 | -0.20 |
| 5 quantiles of tiendatiempo=5 | 0.17 | 0.18 | 0.18 | 0.18 | 0.12 | 0.14 |
| Edad | -0.03 | -0.02 | -0.03 | -0.03 | -0.03 | -0.03 |
| edad2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RECODE of sexo (Sexo) | 0.20+ | 0.23* | 0.22+ | 0.17 | 0.23* | |
| Menos de 1 SMMLV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mas de 1 SMMLV y menos de 2 SMMLV | 0.28* | 0.30* | 0.25+ | 0.28* | 0.27+ | |
| Mas de 2 SMMLV y menos de 4 SMMLV | 0.42* | 0.43* | 0.39+ | 0.36+ | 0.37+ | |
| Mas de 4 SMMLV y menos de 8 SMMLV | 0.73** | 0.77** | 0.72* | 0.60* | 0.64* | |
| Mas de 8 SMMLV | 0.70+ | 0.67 | 0.72+ | 0.43 | 0.41 | |
| No tiene ingresos | -0.06 | -0.03 | -0.08 | -0.10 | -0.09 | |
| Blanco | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mestizo | 0.06 | 0.09 | 0.03 | 0.09 | 0.10 | |
| Indígena | 0.18 | 0.16 | 0.14 | 0.19 | 0.10 | |
| Negro/afro | -0.05 | -0.05 | -0.04 | -0.03 | -0.02 | |
| Otro | 0.16 | 0.12 | 0.18 | 0.22 | 0.19 | |
| Ninguno | 0.65* | 0.63* | 0.62* | 0.67* | 0.64* | |
| Casado(a) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Union ibre | 0.06 | 0.06 | 0.05 | 0.08 | 0.08 | |
| Separado/divorciado | -0.68** | -0.72** | -0.72** | -0.67** | -0.77** | |
| Soltero(a) | -0.36* | -0.38* | -0.37* | -0.35* | -0.38* | |
| Viudo(a) | 0.08 | 0.09 | 0.03 | 0.12 | 0.09 | |
| Primaria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Secundaria | -0.01 | -0.00 | -0.02 | -0.04 | -0.01 | |
| Tecnica | -0.22 | -0.20 | -0.25 | -0.29 | -0.25 | |
| Profesional | -0.21 | -0.20 | -0.24 | -0.35 | -0.31 | |
| Posgrado | -0.32 | -0.31 | -0.33 | -0.55+ | -0.47 | |
| Ninguno | 1.97*** | 1.63*** | 1.72*** | 1.92*** | 1.39*** | |
| Estado de salud | 0.29*** | 0.28*** | 0.29*** | 0.27*** | 0.27*** | |
| En su barrio ha ocurrido algun tipo de crimen | | -0.22+ | | | -0.20+ | |
| Lugares baldios en su barrio | 0.05 | | | | 0.07 | |
| Presencia de policia en su barrio | 0.07 | | | | 0.05 | |
| Siente que su barrio es seguro | -0.04 | | | | -0.10 | |
| Siente que su barrio es seguro | 0.00 | | | | | |
| Percepcion de seguridad | 0.28* | | | | 0.32** | |
| Comuna=1 | | 0.00 | | | 0.00 | |
| Comuna=2 | | -0.32 | | | -0.55+ | |
| Comuna=3 | | -0.09 | | | -0.21 | |
| Comuna=4 | | 0.01 | | | -0.16 | |
| Comuna=5 | | -0.33 | | | -0.48 | |
| Comuna=6 | | -0.08 | | | -0.19 | |
| Comuna=7 | | -0.53 | | | -0.70+ | |
| Comuna=8 | | -0.54 | | | -0.58+ | |
| Comuna=9 | | -0.06 | | | -0.27 | |
| Comuna=10 | | -0.13 | | | -0.34 | |
| Comuna=11 | | -0.18 | | | -0.31 | |
| Comuna=12 | | -0.26 | | | -0.42 | |
| Comuna=13 | | -0.44 | | | -0.47 | |
| Comuna=14 | | -0.38 | | | -0.37 | |
| Comuna=15 | | -0.61 | | | -0.68 | |
| Comuna=16 | | 0.13 | | | 0.02 | |
| Comuna=17 | | -0.08 | | | -0.41 | |
| Comuna=18 | | -0.13 | | | -0.16 | |
| Comuna=19 | | -0.25 | | | -0.57 | |
| Comuna=20 | | -0.08 | | | -0.11 | |
| Comuna=21 | | 0.00 | | | -0.06 | |
| Comuna=22 | | 0.15 | | | -0.21 | |
| Comuna=23 | | -0.67 | | | -0.85+ | |
| Estrato Socioeconomico=1 | | | 0.00 | | 0.00 | |
| Estrato Socioeconomico=2 | | | 0.12 | | 0.15 | |
| Estrato Socioeconomico=3 | | | 0.10 | | 0.21 | |
| Estrato Socioeconomico=4 | | | 0.23 | | 0.36 | |
| Estrato Socioeconomico=5 | | | 0.60** | | 0.80** | |
| Estrato Socioeconomico=6 | | | 0.43 | | 0.59 | |
| Siente que su barrio es seguro | | | 0.00 | | | |
| constant | 8.49*** | 7.96*** | 7.92*** | 8.26*** | 8.02*** | 8.29*** |
| N | 1263 | 1206 | 1189 | 1199 | 1202 | 1178 |

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust
std err

Table 9: OLS regressions of satisfaccionvida.

| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|---------|
| 5 quantiles of parquetiempo=1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 quantiles of parquetiempo=2 | 0.15 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 |
| 5 quantiles of parquetiempo=4 | 0.32* | 0.32* | 0.34* | 0.33* | 0.32* | 0.33* |
| 5 quantiles of parquetiempo=5 | 0.19 | 0.20 | 0.21 | 0.22 | 0.20 | 0.22 |
| Edad | -0.02 | -0.02 | -0.03 | -0.02 | -0.02 | -0.02 |
| edad2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RECODE of sexo (Sexo) | 0.18+ | 0.21+ | 0.20+ | 0.16 | 0.21+ | |
| Menos de 1 SMMLV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mas de 1 SMMLV y menos de 2 SMMLV | 0.27+ | 0.27+ | 0.22 | 0.26+ | 0.24 | |
| Mas de 2 SMMLV y menos de 4 SMMLV | 0.34 | 0.36 | 0.29 | 0.29 | 0.30 | |
| Mas de 4 SMMLV y menos de 8 SMMLV | 0.67* | 0.70* | 0.64* | 0.51+ | 0.53+ | |
| Mas de 8 SMMLV | 0.80* | 0.77+ | 0.72+ | 0.48 | 0.40 | |
| No tiene ingresos | -0.03 | -0.01 | -0.05 | -0.07 | -0.06 | |
| Blanco | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mestizo | 0.04 | 0.08 | 0.01 | 0.07 | 0.08 | |
| Indígena | 0.13 | 0.08 | 0.06 | 0.13 | -0.00 | |
| Negro/afro | -0.05 | -0.04 | -0.03 | -0.02 | 0.01 | |
| Otro | 0.19 | 0.16 | 0.20 | 0.25 | 0.22 | |
| Ninguno | 0.55+ | 0.56+ | 0.52+ | 0.58* | 0.57+ | |
| Casado(a) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Union libre | 0.10 | 0.10 | 0.10 | 0.13 | 0.12 | |
| Separado/divorciado | -0.66** | -0.71** | -0.71** | -0.64** | -0.76** | |
| Soltero(a) | -0.34* | -0.35* | -0.34* | -0.33* | -0.34* | |
| Viudo(a) | -0.16 | -0.10 | -0.22 | -0.13 | -0.11 | |
| Primaria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Secundaria | -0.04 | -0.04 | -0.06 | -0.08 | -0.07 | |
| Tecnica | -0.30 | -0.29 | -0.34 | -0.37 | -0.36 | |
| Profesional | -0.22 | -0.22 | -0.28 | -0.37 | -0.36 | |
| Posgrado | -0.37 | -0.36 | -0.38 | -0.61+ | -0.53 | |
| Ninguno | 1.78*** | 1.37*** | 1.43*** | 1.74*** | 1.07** | |
| Estado de salud | 0.28*** | 0.27*** | 0.28*** | 0.26*** | 0.26*** | |
| En su barrio ha ocurrido algun tipo de crimen | | -0.30* | | | -0.26* | |
| Lugares baldios en su barrio | 0.10 | | | | 0.11 | |
| Presencia de policia en su barrio | 0.06 | | | | 0.06 | |
| Siente que su barrio es seguro | -0.06 | | | | -0.12 | |
| Siente que su barrio es seguro | 0.00 | | | | | |
| Percepcion de seguridad | 0.27* | | | | 0.32** | |
| Comuna=1 | | 0.00 | | | 0.00 | |
| Comuna=2 | | -0.20 | | | -0.46 | |
| Comuna=3 | | -0.04 | | | -0.16 | |
| Comuna=4 | | 0.06 | | | -0.11 | |
| Comuna=5 | | -0.29 | | | -0.45 | |
| Comuna=6 | | -0.07 | | | -0.17 | |
| Comuna=7 | | -0.63 | | | -0.80+ | |
| Comuna=8 | | -0.45 | | | -0.47 | |
| Comuna=9 | | -0.05 | | | -0.25 | |
| Comuna=10 | | -0.11 | | | -0.32 | |
| Comuna=11 | | -0.13 | | | -0.28 | |
| Comuna=12 | | -0.28 | | | -0.46 | |
| Comuna=13 | | -0.52+ | | | -0.57+ | |
| Comuna=14 | | -0.55+ | | | -0.58+ | |
| Comuna=15 | | -0.53 | | | -0.61 | |
| Comuna=16 | | 0.22 | | | 0.07 | |
| Comuna=17 | | -0.06 | | | -0.41 | |
| Comuna=18 | | -0.08 | | | -0.14 | |
| Comuna=19 | | -0.27 | | | -0.59 | |
| Comuna=20 | | -0.02 | | | -0.10 | |
| Comuna=21 | | 0.07 | | | -0.04 | |
| Comuna=22 | | 0.24 | | | -0.18 | |
| Comuna=23 | | -0.51 | | | -0.75 | |
| Estrato Socioeconomico=1 | | | 0.00 | 0.00 | | |
| Estrato Socioeconomico=2 | | | 0.10 | 0.10 | | |
| Estrato Socioeconomico=3 | | | 0.12 | 0.17 | | |
| Estrato Socioeconomico=4 | | | 0.20 | 0.30 | | |
| Estrato Socioeconomico=5 | | | 0.63** | 0.78* | | |
| Estrato Socioeconomico=6 | | | 0.81* | 0.91* | | |
| Siente que su barrio es seguro | | | 0.00 | 0.00 | | |
| constant | 8.42*** | 7.88*** | 7.84*** | 8.15*** | 7.91*** | 8.20*** |
| N | 1184 | 1129 | 1114 | 1123 | 1125 | 1104 |

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust
std err

Table 10: OLS regressions of satisfaccionvida.

| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|---------|
| 5 quantiles of restaurante tiempo=1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 quantiles of restaurante tiempo=2 | -0.05 | -0.06 | -0.05 | -0.08 | -0.03 | -0.04 |
| 5 quantiles of restaurante tiempo=4 | 0.07 | 0.06 | 0.05 | 0.07 | 0.07 | 0.07 |
| 5 quantiles of restaurante tiempo=5 | -0.05 | -0.14 | -0.10 | -0.14 | -0.13 | -0.09 |
| Edad | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 |
| edad2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RECODE of sexo (Sexo) | 0.16 | 0.18 | 0.16 | 0.13 | 0.18 | |
| Menos de 1 SMMLV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mas de 1 SMMLV y menos de 2 SMMLV | 0.27+ | 0.28+ | 0.24+ | 0.27+ | 0.26+ | |
| Mas de 2 SMMLV y menos de 4 SMMLV | 0.38+ | 0.41+ | 0.36+ | 0.35 | 0.36 | |
| Mas de 4 SMMLV y menos de 8 SMMLV | 0.67* | 0.71* | 0.66* | 0.55* | 0.58* | |
| Mas de 8 SMMLV | 0.66+ | 0.62 | 0.68+ | 0.39 | 0.35 | |
| No tiene ingresos | -0.07 | -0.05 | -0.10 | -0.10 | -0.11 | |
| Blanco | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mestizo | 0.09 | 0.12 | 0.07 | 0.12 | 0.13 | |
| Indígena | 0.19 | 0.15 | 0.15 | 0.20 | 0.10 | |
| Negro/afro | -0.00 | -0.00 | 0.01 | 0.03 | 0.03 | |
| Otro | 0.23 | 0.17 | 0.26 | 0.29 | 0.26 | |
| Ninguno | 0.64* | 0.62* | 0.60* | 0.67* | 0.63* | |
| Casado(a) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Union libre | 0.10 | 0.09 | 0.09 | 0.11 | 0.11 | |
| Separado/divorciado | -0.68** | -0.69** | -0.73** | -0.67** | -0.74** | |
| Soltero(a) | -0.36* | -0.37* | -0.36* | -0.35* | -0.36* | |
| Viudo(a) | 0.01 | 0.02 | -0.05 | 0.05 | 0.02 | |
| Primaria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Secundaria | -0.06 | -0.05 | -0.06 | -0.09 | -0.05 | |
| Tecnica | -0.23 | -0.20 | -0.23 | -0.28 | -0.23 | |
| Profesional | -0.25 | -0.23 | -0.26 | -0.37 | -0.32 | |
| Posgrado | -0.35 | -0.34 | -0.31 | -0.56+ | -0.47 | |
| Estado de salud | 0.28*** | 0.27*** | 0.29*** | 0.27*** | 0.26*** | |
| En su barrio ha ocurrido algun tipo de crimen | | -0.22+ | | | -0.21+ | |
| Lugares baldios en su barrio | 0.04 | | | | 0.05 | |
| Presencia de policía en su barrio | 0.11 | | | | 0.10 | |
| Siente que su barrio es seguro | -0.06 | | | | -0.10 | |
| Siente que su barrio es seguro | 0.00 | | | | | |
| Percepcion de seguridad | 0.25* | | | | 0.29** | |
| Comuna=1 | | 0.00 | | | 0.00 | |
| Comuna=2 | | -0.28 | | | -0.50 | |
| Comuna=3 | | -0.04 | | | -0.14 | |
| Comuna=4 | | 0.01 | | | -0.16 | |
| Comuna=5 | | -0.30 | | | -0.43 | |
| Comuna=6 | | -0.05 | | | -0.16 | |
| Comuna=7 | | -0.29 | | | -0.47 | |
| Comuna=8 | | -0.53 | | | -0.55 | |
| Comuna=9 | | -0.04 | | | -0.21 | |
| Comuna=10 | | -0.12 | | | -0.32 | |
| Comuna=11 | | -0.12 | | | -0.26 | |
| Comuna=12 | | -0.25 | | | -0.41 | |
| Comuna=13 | | -0.39 | | | -0.44 | |
| Comuna=14 | | -0.31 | | | -0.32 | |
| Comuna=15 | | -0.55 | | | -0.64 | |
| Comuna=16 | | 0.15 | | | 0.01 | |
| Comuna=17 | | -0.09 | | | -0.42 | |
| Comuna=18 | | -0.18 | | | -0.17 | |
| Comuna=19 | | -0.32 | | | -0.62 | |
| Comuna=20 | | -0.01 | | | -0.07 | |
| Comuna=21 | | -0.01 | | | -0.10 | |
| Comuna=22 | | 0.24 | | | -0.14 | |
| Comuna=23 | | -0.24 | | | -0.43 | |
| Estrato Socioeconomico=1 | | | 0.00 | | 0.00 | |
| Estrato Socioeconomico=2 | | | 0.14 | | 0.16 | |
| Estrato Socioeconomico=3 | | | 0.08 | | 0.16 | |
| Estrato Socioeconomico=4 | | | 0.17 | | 0.33 | |
| Estrato Socioeconomico=5 | | | 0.58** | | 0.80** | |
| Estrato Socioeconomico=6 | | | 0.41 | | 0.57 | |
| Siente que su barrio es seguro | | | 0.00 | | | |
| constant | 8.58*** | 7.99*** | 7.94*** | 8.26*** | 8.01*** | 8.26*** |
| N | 1223 | 1168 | 1152 | 1162 | 1165 | 1143 |

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust
std err

Table 11: OLS regressions of satisfaccionvida.

| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|---------|
| 5 quantiles of medicotiempo=1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 quantiles of medicotiempo=2 | 0.02 | 0.05 | 0.08 | 0.03 | 0.06 | 0.08 |
| 5 quantiles of medicotiempo=3 | -0.17 | -0.12 | -0.09 | -0.12 | -0.13 | -0.08 |
| 5 quantiles of medicotiempo=4 | -0.09 | -0.14 | -0.08 | -0.14 | -0.16 | -0.08 |
| 5 quantiles of medicotiempo=5 | -0.17 | -0.14 | -0.11 | -0.14 | -0.15 | -0.12 |
| Edad | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 |
| edad2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RECODE of sexo (Sexo) | 0.19+ | 0.21+ | 0.20+ | 0.16 | 0.20+ | |
| Menos de 1 SMMLV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mas de 1 SMMLV y menos de 2 SMMLV | 0.30* | 0.31* | 0.27+ | 0.30* | 0.30* | |
| Mas de 2 SMMLV y menos de 4 SMMLV | 0.36+ | 0.37+ | 0.35 | 0.33 | 0.34 | |
| Mas de 4 SMMLV y menos de 8 SMMLV | 0.58* | 0.63* | 0.58* | 0.45 | 0.51+ | |
| Mas de 8 SMMLV | 0.65+ | 0.60 | 0.63 | 0.35 | 0.31 | |
| No tiene ingresos | -0.12 | -0.10 | -0.15 | -0.16 | -0.16 | |
| Blanco | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mestizo | 0.02 | 0.05 | -0.01 | 0.05 | 0.05 | |
| Indigena | 0.15 | 0.11 | 0.10 | 0.14 | 0.05 | |
| Negro/afro | -0.11 | -0.10 | -0.11 | -0.09 | -0.09 | |
| Otro | 0.42 | 0.40 | 0.38 | 0.51 | 0.43 | |
| Ninguno | 0.71** | 0.68* | 0.70* | 0.73** | 0.71* | |
| Casado(a) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Union ibre | 0.08 | 0.07 | 0.07 | 0.09 | 0.08 | |
| Separado/divorciado | -0.59* | -0.63** | -0.62** | -0.58* | -0.67** | |
| Soltero(a) | -0.34* | -0.36* | -0.34* | -0.33* | -0.35* | |
| Viudo(a) | 0.12 | 0.12 | 0.09 | 0.16 | 0.14 | |
| Primaria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Secundaria | 0.02 | 0.02 | 0.02 | -0.01 | 0.02 | |
| Tecnica | -0.18 | -0.16 | -0.19 | -0.23 | -0.20 | |
| Profesional | -0.12 | -0.12 | -0.14 | -0.24 | -0.22 | |
| Posgrado | -0.24 | -0.23 | -0.24 | -0.44 | -0.36 | |
| Ninguno | 1.81*** | 1.46*** | 1.50*** | 1.75*** | 1.18** | |
| Estado de salud | 0.24*** | 0.23*** | 0.24*** | 0.22*** | 0.22*** | |
| En su barrio ha ocurrido algun tipo de crimen | | -0.28* | | | -0.26* | |
| Lugares baldios en su barrio | | 0.10 | | | 0.12 | |
| Presencia de policia en su barrio | | 0.04 | | | 0.03 | |
| Siente que su barrio es seguro | | -0.08 | | | -0.12 | |
| Siente que su barrio es seguro | | 0.00 | | | | |
| Percepcion de seguridad | | 0.20+ | | | 0.25* | |
| Comuna=1 | | | 0.00 | | 0.00 | |
| Comuna=2 | | | -0.33 | | -0.56+ | |
| Comuna=3 | | | -0.21 | | -0.31 | |
| Comuna=4 | | | -0.24 | | -0.40 | |
| Comuna=5 | | | -0.26 | | -0.38 | |
| Comuna=6 | | | -0.10 | | -0.18 | |
| Comuna=7 | | | -0.61 | | -0.77* | |
| Comuna=8 | | | -0.57 | | -0.54 | |
| Comuna=9 | | | -0.21 | | -0.37 | |
| Comuna=10 | | | -0.20 | | -0.34 | |
| Comuna=11 | | | -0.30 | | -0.40 | |
| Comuna=12 | | | -0.31 | | -0.46 | |
| Comuna=13 | | | -0.53+ | | -0.55+ | |
| Comuna=14 | | | -0.36 | | -0.37 | |
| Comuna=15 | | | -0.69 | | -0.76 | |
| Comuna=16 | | | -0.02 | | -0.13 | |
| Comuna=17 | | | -0.17 | | -0.48 | |
| Comuna=18 | | | -0.23 | | -0.28 | |
| Comuna=19 | | | -0.42 | | -0.70+ | |
| Comuna=20 | | | -0.18 | | -0.24 | |
| Comuna=21 | | | 0.01 | | -0.07 | |
| Comuna=22 | | | 0.13 | | -0.23 | |
| Comuna=23 | | | -0.70 | | -0.90+ | |
| Estrato Socioeconomico=1 | | | | 0.00 | 0.00 | |
| Estrato Socioeconomico=2 | | | | 0.09 | 0.13 | |
| Estrato Socioeconomico=3 | | | | 0.03 | 0.14 | |
| Estrato Socioeconomico=4 | | | | 0.12 | 0.27 | |
| Estrato Socioeconomico=5 | | | | 0.56* | 0.76* | |
| Estrato Socioeconomico=6 | | | | 0.46 | 0.57 | |
| Siente que su barrio es seguro | | | | | 0.00 | |
| constant | 8.63*** | 8.12*** | 8.15*** | 8.49*** | 8.20*** | 8.58*** |
| N | 1165 | 1114 | 1098 | 1107 | 1110 | 1087 |

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust
std err

Table 12: OLS regressions of satisfaccionvida.

| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|---------|
| 5 quantiles of bibliotecatiempo=1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 quantiles of bibliotecatiempo=2 | -0.56** | -0.48* | -0.48* | -0.45* | -0.47* | -0.43* |
| 5 quantiles of bibliotecatiempo=3 | -0.31 | -0.27 | -0.25 | -0.25 | -0.29 | -0.26 |
| 5 quantiles of bibliotecatiempo=4 | -0.34* | -0.39* | -0.36* | -0.38* | -0.41* | -0.38* |
| 5 quantiles of bibliotecatiempo=5 | -0.35+ | -0.35+ | -0.31 | -0.34+ | -0.36+ | -0.31 |
| Edad | -0.04* | -0.04* | -0.04* | -0.04* | -0.04* | -0.04* |
| edad2 | 0.00* | 0.00+ | 0.00+ | 0.00+ | 0.00+ | 0.00+ |
| RECODE of sexo (Sexo) | -0.00 | 0.01 | 0.01 | -0.00 | 0.01 | |
| Menos de 1 SMMLV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mas de 1 SMMLV y menos de 2 SMMLV | 0.13 | 0.11 | 0.11 | 0.14 | 0.13 | |
| Mas de 2 SMMLV y menos de 4 SMMLV | 0.34 | 0.32 | 0.31 | 0.36 | 0.34 | |
| Mas de 4 SMMLV y menos de 8 SMMLV | 0.37 | 0.33 | 0.40 | 0.22 | 0.19 | |
| Mas de 8 SMMLV | -0.23 | -0.34 | -0.23 | -0.60 | -0.73 | |
| No tiene ingresos | 0.09 | 0.09 | 0.11 | 0.08 | 0.09 | |
| Blanco | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mestizo | -0.07 | -0.06 | -0.10 | -0.08 | -0.12 | |
| Indigena | -0.36 | -0.36 | -0.40 | -0.36 | -0.42 | |
| Negro/afro | -0.24 | -0.27 | -0.21 | -0.25 | -0.24 | |
| Otro | -0.51 | -0.67 | -0.59 | -0.48 | -0.73 | |
| Ninguno | 0.33 | 0.21 | 0.24 | 0.32 | 0.09 | |
| Casado(a) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Union ibre | 0.18 | 0.17 | 0.20 | 0.21 | 0.22 | |
| Separado/divorciado | -0.55* | -0.59* | -0.60* | -0.52+ | -0.58* | |
| Soltero(a) | -0.49** | -0.50** | -0.48* | -0.48* | -0.47* | |
| Viudo(a) | 0.22 | 0.25 | 0.23 | 0.19 | 0.21 | |
| Primaria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Secundaria | 0.31 | 0.35 | 0.33 | 0.33 | 0.41 | |
| Tecnica | 0.06 | 0.12 | 0.08 | 0.08 | 0.20 | |
| Profesional | 0.08 | 0.14 | 0.09 | 0.08 | 0.20 | |
| Posgrado | 0.15 | 0.20 | 0.21 | 0.11 | 0.28 | |
| Ninguno | 1.57*** | 1.43*** | 1.61** | 1.51*** | 1.51** | |
| Estado de salud | 0.22*** | 0.21** | 0.20** | 0.22*** | 0.20** | |
| En su barrio ha ocurrido algun tipo de crimen | | -0.13 | | | -0.14 | |
| Lugares baldios en su barrio | -0.04 | | | | -0.06 | |
| Presencia de policia en su barrio | 0.08 | | | | 0.04 | |
| Siente que su barrio es seguro | -0.09 | | | | -0.10 | |
| Siente que su barrio es seguro | 0.00 | | | | | |
| Percepcion de seguridad | 0.24+ | | | | 0.24+ | |
| Comuna=1 | | 0.00 | | | 0.00 | |
| Comuna=2 | | -0.46 | | | -0.44 | |
| Comuna=3 | | -0.32 | | | -0.22 | |
| Comuna=4 | | -0.34 | | | -0.24 | |
| Comuna=5 | | -0.43 | | | -0.27 | |
| Comuna=6 | | -0.24 | | | -0.10 | |
| Comuna=7 | | -0.68 | | | -0.55 | |
| Comuna=8 | | -0.33 | | | -0.23 | |
| Comuna=9 | | -0.34 | | | -0.19 | |
| Comuna=10 | | -0.39 | | | -0.15 | |
| Comuna=11 | | -0.49 | | | -0.32 | |
| Comuna=12 | | -0.79 | | | -0.75 | |
| Comuna=13 | | -0.89* | | | -0.78+ | |
| Comuna=14 | | -0.54+ | | | -0.47 | |
| Comuna=15 | | -0.84 | | | -0.71 | |
| Comuna=16 | | -0.11 | | | 0.05 | |
| Comuna=17 | | -0.45 | | | -0.45 | |
| Comuna=18 | | -0.47 | | | -0.25 | |
| Comuna=19 | | -0.39 | | | -0.29 | |
| Comuna=20 | | -0.54 | | | -0.46 | |
| Comuna=21 | | -0.55 | | | -0.53 | |
| Comuna=22 | | -0.51 | | | -0.54 | |
| Comuna=23 | | -1.27 | | | -1.15 | |
| Estrato Socioeconomico=1 | | | 0.00 | | 0.00 | |
| Estrato Socioeconomico=2 | | | -0.08 | | -0.16 | |
| Estrato Socioeconomico=3 | | | -0.07 | | -0.18 | |
| Estrato Socioeconomico=4 | | | -0.29 | | -0.39 | |
| Estrato Socioeconomico=5 | | | 0.47+ | | 0.50 | |
| Estrato Socioeconomico=6 | | | 0.37 | | 0.38 | |
| Siente que su barrio es seguro | | | | | 0.00 | |
| constant | 8.86*** | 8.95*** | 8.93*** | 9.46*** | 9.00*** | 9.42*** |
| N | 676 | 647 | 642 | 643 | 647 | 638 |

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust
std err

Table 13: OLS regressions of satisfaccionvida.

| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|---------|
| 5 quantiles of miotempo=1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 quantiles of miotempo=2 | -0.09 | -0.13 | -0.16 | -0.14 | -0.11 | -0.14 |
| 5 quantiles of miotempo=3 | 0.17 | 0.12 | 0.09 | 0.13 | 0.13 | 0.12 |
| 5 quantiles of miotempo=4 | -0.09 | -0.07 | -0.08 | -0.06 | -0.07 | -0.07 |
| 5 quantiles of miotempo=5 | 0.25 | 0.25 | 0.26 | 0.27 | 0.29+ | 0.34+ |
| Edad | -0.02 | -0.01 | -0.02 | -0.02 | -0.02 | -0.02 |
| edad2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RECODE of sexo (Sexo) | 0.19+ | 0.22+ | 0.22+ | 0.17 | 0.22+ | |
| Menos de 1 SMMLV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mas de 1 SMMLV y menos de 2 SMMLV | 0.37* | 0.37* | 0.33* | 0.37* | 0.33* | |
| Mas de 2 SMMLV y menos de 4 SMMLV | 0.45* | 0.46* | 0.42+ | 0.41+ | 0.41+ | |
| Mas de 4 SMMLV y menos de 8 SMMLV | 0.81** | 0.86** | 0.78** | 0.67* | 0.69* | |
| Mas de 8 SMMLV | 0.72+ | 0.65 | 0.70+ | 0.45 | 0.34 | |
| No tiene ingresos | 0.01 | 0.03 | -0.01 | -0.03 | -0.03 | |
| Blanco | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mestizo | 0.01 | 0.04 | -0.02 | 0.04 | 0.04 | |
| Indigena | 0.10 | 0.07 | 0.04 | 0.11 | -0.02 | |
| Negro/afro | -0.12 | -0.12 | -0.11 | -0.10 | -0.10 | |
| Otro | 0.04 | -0.02 | 0.04 | 0.09 | 0.06 | |
| Ninguno | 0.47 | 0.51+ | 0.42 | 0.51+ | 0.50 | |
| Casado(a) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Union ibre | 0.04 | 0.03 | 0.04 | 0.06 | 0.06 | |
| Separado/divorciado | -0.61* | -0.67** | -0.64* | -0.60* | -0.70** | |
| Soltero(a) | -0.37* | -0.38* | -0.38* | -0.36* | -0.38* | |
| Viudo(a) | 0.00 | 0.02 | -0.09 | 0.08 | 0.01 | |
| Primaria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Secundaria | -0.08 | -0.08 | -0.09 | -0.13 | -0.08 | |
| Tecnica | -0.35 | -0.33 | -0.35 | -0.44+ | -0.37 | |
| Profesional | -0.27 | -0.25 | -0.25 | -0.42+ | -0.33 | |
| Posgrado | -0.40 | -0.39 | -0.33 | -0.65* | -0.50 | |
| Ninguno | 1.72*** | 1.33*** | 1.46*** | 1.68*** | 1.11** | |
| Estado de salud | 0.29*** | 0.28*** | 0.29*** | 0.27*** | 0.27*** | |
| En su barrio ha ocurrido algun tipo de crimen | | -0.23+ | | | -0.22+ | |
| Lugares baldios en su barrio | 0.05 | | | | 0.07 | |
| Presencia de policia en su barrio | 0.13 | | | | 0.11 | |
| Siente que su barrio es seguro | -0.03 | | | | -0.09 | |
| Siente que su barrio es seguro | 0.00 | | | | | |
| Percepcion de seguridad | 0.25* | | | | 0.29** | |
| Comuna=1 | | 0.00 | | | 0.00 | |
| Comuna=2 | | -0.21 | | | -0.39 | |
| Comuna=3 | | 0.08 | | | 0.05 | |
| Comuna=4 | | 0.18 | | | 0.09 | |
| Comuna=5 | | -0.27 | | | -0.34 | |
| Comuna=6 | | 0.09 | | | 0.04 | |
| Comuna=7 | | -0.39 | | | -0.54 | |
| Comuna=8 | | -0.34 | | | -0.30 | |
| Comuna=9 | | 0.08 | | | -0.04 | |
| Comuna=10 | | 0.01 | | | -0.14 | |
| Comuna=11 | | 0.06 | | | -0.03 | |
| Comuna=12 | | -0.16 | | | -0.28 | |
| Comuna=13 | | -0.34 | | | -0.32 | |
| Comuna=14 | | -0.27 | | | -0.20 | |
| Comuna=15 | | -0.54 | | | -0.57 | |
| Comuna=16 | | 0.24 | | | 0.12 | |
| Comuna=17 | | -0.06 | | | -0.34 | |
| Comuna=18 | | -0.04 | | | 0.04 | |
| Comuna=19 | | -0.28 | | | -0.50 | |
| Comuna=20 | | 0.04 | | | 0.07 | |
| Comuna=21 | | 0.11 | | | 0.08 | |
| Comuna=22 | | 0.32 | | | -0.03 | |
| Comuna=23 | | -0.79 | | | -0.88 | |
| Estrato Socioeconomico=1 | | | 0.00 | 0.00 | | |
| Estrato Socioeconomico=2 | | | 0.20 | 0.21 | | |
| Estrato Socioeconomico=3 | | | 0.16 | 0.20 | | |
| Estrato Socioeconomico=4 | | | 0.19 | 0.33 | | |
| Estrato Socioeconomico=5 | | | 0.68** | 0.90** | | |
| Estrato Socioeconomico=6 | | | 0.56 | 0.63 | | |
| Siente que su barrio es seguro | | | | 0.00 | | |
| constant | 8.50*** | 7.88*** | 7.86*** | 8.07*** | 7.88*** | 8.04*** |
| N | 1166 | 1116 | 1103 | 1109 | 1112 | 1092 |

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust
std err

Table 14: OLS regressions of satisfaccionvida.

| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|---------|
| 5 quantiles of iglesiatempo=1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 quantiles of iglesiatempo=2 | -0.07 | -0.08 | -0.08 | -0.08 | -0.08 | -0.09 |
| 5 quantiles of iglesiatempo=3 | -0.30 | -0.25 | -0.27 | -0.26 | -0.27 | -0.31 |
| 5 quantiles of iglesiatempo=4 | 0.11 | 0.07 | 0.05 | 0.08 | 0.04 | 0.00 |
| 5 quantiles of iglesiatempo=5 | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.05 |
| Edad | -0.02 | -0.02 | -0.03 | -0.02 | -0.02 | -0.02 |
| edad2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RECODE of sexo (Sexo) | 0.18 | 0.22+ | 0.19+ | 0.15 | 0.21+ | |
| Menos de 1 SMMLV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mas de 1 SMMLV y menos de 2 SMMLV | 0.33* | 0.34* | 0.29+ | 0.32* | 0.30* | |
| Mas de 2 SMMLV y menos de 4 SMMLV | 0.43* | 0.45* | 0.40+ | 0.38+ | 0.38 | |
| Mas de 4 SMMLV y menos de 8 SMMLV | 0.83** | 0.86** | 0.81** | 0.67* | 0.68* | |
| Mas de 8 SMMLV | 0.74+ | 0.71+ | 0.74+ | 0.43 | 0.35 | |
| No tiene ingresos | -0.07 | -0.05 | -0.10 | -0.11 | -0.12 | |
| Blanco | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mestizo | 0.04 | 0.07 | 0.01 | 0.07 | 0.07 | |
| Indigena | 0.09 | 0.05 | 0.05 | 0.10 | -0.02 | |
| Negro/afro | -0.08 | -0.08 | -0.08 | -0.04 | -0.05 | |
| Otro | 0.07 | 0.01 | 0.06 | 0.12 | 0.07 | |
| Ninguno | 0.61* | 0.57* | 0.55+ | 0.63* | 0.58+ | |
| Casado(a) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Union ibre | 0.13 | 0.12 | 0.13 | 0.16 | 0.16 | |
| Separado/divorciado | -0.58* | -0.59* | -0.64* | -0.56* | -0.63* | |
| Soltero(a) | -0.32* | -0.33* | -0.33* | -0.30+ | -0.32* | |
| Viudo(a) | 0.14 | 0.14 | 0.10 | 0.19 | 0.19 | |
| Primaria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Secundaria | -0.00 | 0.01 | -0.03 | -0.05 | -0.02 | |
| Tecnica | -0.18 | -0.15 | -0.21 | -0.25 | -0.21 | |
| Profesional | -0.16 | -0.14 | -0.19 | -0.31 | -0.27 | |
| Posgrado | -0.26 | -0.25 | -0.25 | -0.54+ | -0.44 | |
| Ninguno | 1.89*** | 1.58*** | 1.70*** | 1.86*** | 1.39*** | |
| Estado de salud | 0.27*** | 0.26*** | 0.27*** | 0.25*** | 0.24*** | |
| En su barrio ha ocurrido algun tipo de crimen | | -0.18 | | | -0.16 | |
| Lugares baldios en su barrio | | 0.05 | | | 0.07 | |
| Presencia de policia en su barrio | | 0.07 | | | 0.07 | |
| Siente que su barrio es seguro | | -0.00 | | | -0.06 | |
| Siente que su barrio es seguro | | 0.00 | | | | |
| Percepcion de seguridad | | 0.27* | | | 0.31** | |
| Comuna=1 | | | 0.00 | | 0.00 | |
| Comuna=2 | | | -0.30 | | -0.55+ | |
| Comuna=3 | | | -0.13 | | -0.26 | |
| Comuna=4 | | | -0.05 | | -0.26 | |
| Comuna=5 | | | -0.28 | | -0.46 | |
| Comuna=6 | | | -0.12 | | -0.25 | |
| Comuna=7 | | | -0.56 | | -0.76+ | |
| Comuna=8 | | | -0.43 | | -0.47 | |
| Comuna=9 | | | -0.02 | | -0.25 | |
| Comuna=10 | | | -0.10 | | -0.33 | |
| Comuna=11 | | | -0.14 | | -0.32 | |
| Comuna=12 | | | -0.32 | | -0.51 | |
| Comuna=13 | | | -0.52+ | | -0.57+ | |
| Comuna=14 | | | -0.38 | | -0.38 | |
| Comuna=15 | | | -0.60 | | -0.70 | |
| Comuna=16 | | | 0.11 | | -0.03 | |
| Comuna=17 | | | -0.14 | | -0.52 | |
| Comuna=18 | | | -0.22 | | -0.22 | |
| Comuna=19 | | | -0.35 | | -0.70+ | |
| Comuna=20 | | | -0.08 | | -0.10 | |
| Comuna=21 | | | -0.09 | | -0.16 | |
| Comuna=22 | | | 0.12 | | -0.28 | |
| Comuna=23 | | | -0.28 | | -0.47 | |
| Estrato Socioeconomico=1 | | | | 0.00 | 0.00 | |
| Estrato Socioeconomico=2 | | | | 0.15 | 0.18 | |
| Estrato Socioeconomico=3 | | | | 0.16 | 0.24 | |
| Estrato Socioeconomico=4 | | | | 0.22 | 0.38 | |
| Estrato Socioeconomico=5 | | | | 0.75*** | 1.00** | |
| Estrato Socioeconomico=6 | | | | 0.36 | 0.55 | |
| Siente que su barrio es seguro | | | | | 0.00 | |
| constant | 8.57*** | 7.98*** | 7.88*** | 8.32*** | 8.00*** | 8.28*** |
| N | 1183 | 1129 | 1113 | 1122 | 1126 | 1103 |

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust
std err

Table 15: OLS regressions of satisfaccionvida.

| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|---------|
| 5 quantiles of CALtiempo=1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 quantiles of CALtiempo=2 | 0.01 | 0.02 | 0.00 | -0.03 | 0.04 | -0.03 |
| 5 quantiles of CALtiempo=4 | 0.03 | 0.04 | 0.03 | 0.03 | 0.01 | -0.01 |
| 5 quantiles of CALtiempo=5 | -0.28 | -0.26 | -0.29 | -0.22 | -0.28 | -0.28 |
| Edad | -0.02 | -0.01 | -0.02 | -0.02 | -0.02 | -0.01 |
| edad2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RECODE of sexo (Sexo) | 0.30* | 0.32* | 0.28* | 0.27* | 0.27+ | |
| Menos de 1 SMMLV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mas de 1 SMMLV y menos de 2 SMMLV | 0.27 | 0.27 | 0.28 | 0.30 | 0.32+ | |
| Mas de 2 SMMLV y menos de 4 SMMLV | 0.43 | 0.44 | 0.43 | 0.45+ | 0.45 | |
| Mas de 4 SMMLV y menos de 8 SMMLV | 0.75** | 0.78** | 0.73** | 0.68* | 0.66* | |
| Mas de 8 SMMLV | 0.29 | 0.24 | 0.32 | 0.24 | 0.20 | |
| No tiene ingresos | -0.10 | -0.09 | -0.06 | -0.13 | -0.06 | |
| Blanco | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mestizo | 0.06 | 0.08 | 0.08 | 0.11 | 0.14 | |
| Indígena | 0.05 | 0.03 | -0.01 | 0.06 | -0.02 | |
| Negro/afro | -0.04 | -0.04 | 0.05 | -0.02 | 0.05 | |
| Otro | -0.06 | -0.12 | -0.04 | -0.07 | -0.12 | |
| Ninguno | 0.61 | 0.48 | 0.57 | 0.63 | 0.53 | |
| Casado(a) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Union libre | 0.07 | 0.07 | 0.05 | 0.08 | 0.06 | |
| Separado/divorciado | -0.66* | -0.63* | -0.78* | -0.67* | -0.72* | |
| Soltero(a) | -0.33+ | -0.35+ | -0.35+ | -0.30+ | -0.34+ | |
| Viudo(a) | 0.58+ | 0.64* | 0.29 | 0.63* | 0.44 | |
| Primaria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Secundaria | -0.20 | -0.22 | -0.23 | -0.21 | -0.25 | |
| Tecnica | -0.36 | -0.37 | -0.39 | -0.41 | -0.43 | |
| Profesional | -0.34 | -0.34 | -0.37 | -0.41 | -0.43 | |
| Posgrado | -0.38 | -0.35 | -0.26 | -0.45 | -0.34 | |
| Ninguno | 1.74*** | 1.34*** | 1.42*** | 1.71*** | 1.12* | |
| Estado de salud | 0.25*** | 0.23*** | 0.25*** | 0.23*** | 0.21** | |
| En su barrio ha ocurrido algun tipo de crimen | | -0.31* | | | -0.31+ | |
| Lugares baldíos en su barrio | | 0.17 | | | 0.14 | |
| Presencia de policía en su barrio | | 0.08 | | | 0.05 | |
| Siente que su barrio es seguro | | -0.18 | | | -0.26 | |
| Siente que su barrio es seguro | | 0.00 | | | | |
| Percepcion de seguridad | | 0.18 | | | 0.24+ | |
| Comuna=1 | | | 0.00 | | 0.00 | |
| Comuna=2 | | | -0.46 | | -0.53 | |
| Comuna=3 | | | -0.14 | | -0.21 | |
| Comuna=4 | | | -0.39 | | -0.51 | |
| Comuna=5 | | | -0.53 | | -0.54 | |
| Comuna=6 | | | -0.18 | | -0.24 | |
| Comuna=7 | | | -0.27 | | -0.43 | |
| Comuna=8 | | | -0.77+ | | -0.58 | |
| Comuna=9 | | | 0.22 | | 0.20 | |
| Comuna=10 | | | 0.01 | | -0.04 | |
| Comuna=11 | | | -0.28 | | -0.33 | |
| Comuna=12 | | | -0.84 | | -0.98 | |
| Comuna=13 | | | -0.74* | | -0.75* | |
| Comuna=14 | | | -0.77* | | -0.83* | |
| Comuna=15 | | | -0.62 | | -0.68 | |
| Comuna=16 | | | 0.03 | | -0.09 | |
| Comuna=17 | | | -0.59 | | -0.75+ | |
| Comuna=18 | | | -0.35 | | -0.31 | |
| Comuna=19 | | | -0.35 | | -0.48 | |
| Comuna=20 | | | -0.16 | | -0.30 | |
| Comuna=21 | | | -0.14 | | -0.27 | |
| Comuna=22 | | | 0.13 | | -0.12 | |
| Comuna=23 | | | -0.64 | | -0.79 | |
| Estrato Socioeconomico=1 | | | | 0.00 | 0.00 | |
| Estrato Socioeconomico=2 | | | | 0.05 | 0.07 | |
| Estrato Socioeconomico=3 | | | | 0.04 | 0.04 | |
| Estrato Socioeconomico=4 | | | | -0.09 | -0.08 | |
| Estrato Socioeconomico=5 | | | | 0.26 | 0.49 | |
| Estrato Socioeconomico=6 | | | | 0.67 | 0.71 | |
| Siente que su barrio es seguro | | | | | 0.00 | |
| constant | 8.59*** | 8.03*** | 8.16*** | 8.45*** | 8.10*** | 8.72*** |
| N | 786 | 749 | 742 | 746 | 747 | 737 |

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust
std err

Table 16: OLS regressions of satisfaccionvida.

| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|---------|
| 5 quantiles of CAAltimo=1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 quantiles of CAAltimo=2 | -0.09 | -0.06 | -0.04 | -0.07 | -0.07 | -0.06 |
| 5 quantiles of CAAltimo=3 | 0.07 | 0.28 | 0.22 | 0.21 | 0.35 | 0.19 |
| 5 quantiles of CAAltimo=4 | -0.03 | -0.00 | -0.00 | 0.00 | 0.00 | -0.00 |
| 5 quantiles of CAAltimo=5 | -0.01 | -0.07 | -0.01 | 0.00 | -0.07 | 0.04 |
| Edad | -0.04* | -0.04* | -0.04* | -0.05* | -0.04* | |
| edad2 | 0.00* | 0.00* | 0.00* | 0.00* | 0.00* | 0.00* |
| RECODE of sexo (Sexo) | 0.15 | 0.19 | 0.16 | 0.12 | 0.19 | |
| Menos de 1 SMMLV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mas de 1 SMMLV y menos de 2 SMMLV | 0.21 | 0.23 | 0.20 | 0.21 | 0.22 | |
| Mas de 2 SMMLV y menos de 4 SMMLV | 0.39+ | 0.40+ | 0.38 | 0.38 | 0.39 | |
| Mas de 4 SMMLV y menos de 8 SMMLV | 0.80** | 0.88** | 0.79** | 0.65* | 0.71* | |
| Mas de 8 SMMLV | 0.43 | 0.31 | 0.38 | 0.19 | -0.00 | |
| No tiene ingresos | -0.17 | -0.14 | -0.17 | -0.22 | -0.18 | |
| Blanco | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mestizo | 0.03 | 0.07 | 0.01 | 0.07 | 0.07 | |
| Indigena | 0.32 | 0.26 | 0.25 | 0.32 | 0.19 | |
| Negro/afro | -0.07 | -0.06 | -0.06 | -0.04 | -0.04 | |
| Otro | 0.16 | 0.11 | 0.18 | 0.17 | 0.13 | |
| Ninguno | 0.81** | 0.80** | 0.82** | 0.85** | 0.86** | |
| Casado(a) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Union ibre | 0.05 | 0.03 | 0.05 | 0.08 | 0.06 | |
| Separado/divorciado | -0.64* | -0.64* | -0.69* | -0.65* | -0.71* | |
| Soltero(a) | -0.38* | -0.40* | -0.39* | -0.37* | -0.40* | |
| Viudo(a) | 0.47 | 0.54+ | 0.37 | 0.50 | 0.52 | |
| Primaria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Secundaria | -0.08 | -0.07 | -0.09 | -0.13 | -0.09 | |
| Tecnica | -0.35 | -0.32 | -0.38 | -0.44+ | -0.40 | |
| Profesional | -0.30 | -0.29 | -0.31 | -0.45+ | -0.41 | |
| Posgrado | -0.60 | -0.56 | -0.58 | -0.88* | -0.76+ | |
| Ninguno | 1.75*** | 1.42*** | 1.47*** | 1.72*** | 1.16** | |
| Estado de salud | 0.27*** | 0.25*** | 0.27*** | 0.25*** | 0.24*** | |
| En su barrio ha ocurrido algun tipo de crimen | | -0.20 | | | -0.17 | |
| Lugares baldios en su barrio | 0.14 | | | | 0.16 | |
| Presencia de policia en su barrio | 0.11 | | | | 0.10 | |
| Siente que su barrio es seguro | -0.03 | | | | -0.09 | |
| Siente que su barrio es seguro | 0.00 | | | | | |
| Percepcion de seguridad | 0.22+ | | | | 0.29* | |
| Comuna=1 | | 0.00 | | | 0.00 | |
| Comuna=2 | | -0.24 | | | -0.48 | |
| Comuna=3 | | -0.21 | | | -0.33 | |
| Comuna=4 | | -0.11 | | | -0.33 | |
| Comuna=5 | | -0.49 | | | -0.68+ | |
| Comuna=6 | | -0.07 | | | -0.19 | |
| Comuna=7 | | -0.61 | | | -0.86* | |
| Comuna=8 | | -0.46 | | | -0.44 | |
| Comuna=9 | | 0.05 | | | -0.20 | |
| Comuna=10 | | 0.02 | | | -0.20 | |
| Comuna=11 | | -0.25 | | | -0.44 | |
| Comuna=12 | | -0.30 | | | -0.51 | |
| Comuna=13 | | -0.41 | | | -0.45 | |
| Comuna=14 | | -0.34 | | | -0.33 | |
| Comuna=15 | | -0.44 | | | -0.58 | |
| Comuna=16 | | 0.03 | | | -0.09 | |
| Comuna=17 | | -0.20 | | | -0.47 | |
| Comuna=18 | | -0.13 | | | -0.14 | |
| Comuna=19 | | -0.16 | | | -0.43 | |
| Comuna=20 | | -0.17 | | | -0.23 | |
| Comuna=21 | | 0.05 | | | -0.02 | |
| Comuna=22 | | 0.19 | | | -0.17 | |
| Comuna=23 | | -0.80 | | | -0.93+ | |
| Estrato Socioeconomico=1 | | | 0.00 | 0.00 | | |
| Estrato Socioeconomico=2 | | | 0.14 | 0.16 | | |
| Estrato Socioeconomico=3 | | | 0.21 | 0.33+ | | |
| Estrato Socioeconomico=4 | | | 0.07 | 0.18 | | |
| Estrato Socioeconomico=5 | | | 0.70** | 0.89** | | |
| Estrato Socioeconomico=6 | | | 0.45 | 0.50 | | |
| Siente que su barrio es seguro | | | | 0.00 | | |
| constant | 8.59*** | 8.67*** | 8.56*** | 8.88*** | 8.71*** | 8.81*** |
| N | 1053 | 1008 | 993 | 1002 | 1005 | 984 |

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust
std err

Table 17: OLS regressions of satisfaccionvida.

| | a1 | a2 | a3 | a4 | a5 | a6 |
|---|---------|---------|---------|---------|---------|---------|
| 5 quantiles of IETiempo=1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5 quantiles of IETiempo=2 | -0.14 | -0.15 | -0.15 | -0.13 | -0.12 | -0.12 |
| 5 quantiles of IETiempo=3 | 0.19 | 0.14 | 0.17 | 0.13 | 0.17 | 0.18 |
| 5 quantiles of IETiempo=4 | 0.09 | 0.04 | 0.05 | 0.05 | 0.02 | 0.02 |
| 5 quantiles of IETiempo=5 | 0.02 | -0.00 | -0.01 | 0.01 | -0.01 | -0.01 |
| Edad | -0.03 | -0.02 | -0.03 | -0.03 | -0.03 | -0.03 |
| edad2 | 0.00+ | 0.00 | 0.00+ | 0.00+ | 0.00+ | 0.00+ |
| RECODE of sexo (Sexo) | 0.21+ | 0.24* | 0.24* | 0.19+ | 0.26* | |
| Menos de 1 SMMLV | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mas de 1 SMMLV y menos de 2 SMMLV | 0.32* | 0.33* | 0.28+ | 0.32* | 0.29* | |
| Mas de 2 SMMLV y menos de 4 SMMLV | 0.40+ | 0.42+ | 0.37+ | 0.36 | 0.37 | |
| Mas de 4 SMMLV y menos de 8 SMMLV | 0.66* | 0.70* | 0.66* | 0.53+ | 0.56+ | |
| Mas de 8 SMMLV | 0.63 | 0.55 | 0.64 | 0.33 | 0.23 | |
| No tiene ingresos | -0.05 | -0.03 | -0.07 | -0.08 | -0.09 | |
| Blanco | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Mestizo | 0.06 | 0.08 | 0.03 | 0.08 | 0.08 | |
| Indigena | 0.15 | 0.12 | 0.08 | 0.16 | 0.04 | |
| Negro/afro | -0.04 | -0.05 | -0.04 | -0.01 | -0.03 | |
| Otro | 0.23 | 0.16 | 0.23 | 0.29 | 0.23 | |
| Ninguno | 0.76** | 0.71** | 0.74** | 0.78** | 0.74** | |
| Casado(a) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Union ibre | 0.07 | 0.07 | 0.07 | 0.09 | 0.09 | |
| Separado/divorciado | -0.62* | -0.63** | -0.68** | -0.61* | -0.70** | |
| Soltero(a) | -0.35* | -0.36* | -0.37* | -0.33* | -0.37* | |
| Viudo(a) | -0.06 | -0.03 | -0.16 | -0.02 | -0.08 | |
| Primaria | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Secundaria | 0.03 | 0.04 | 0.02 | 0.00 | 0.03 | |
| Tecnica | -0.17 | -0.15 | -0.19 | -0.24 | -0.20 | |
| Profesional | -0.12 | -0.10 | -0.12 | -0.25 | -0.21 | |
| Posgrado | -0.22 | -0.21 | -0.18 | -0.48 | -0.37 | |
| Ninguno | 2.01*** | 1.67*** | 1.76*** | 2.01*** | 1.47*** | |
| Estado de salud | 0.29*** | 0.28*** | 0.29*** | 0.27*** | 0.27*** | |
| En su barrio ha ocurrido algun tipo de crimen | | -0.22+ | | | -0.21 | |
| Lugares baldios en su barrio | | 0.05 | | | 0.08 | |
| Presencia de policia en su barrio | | 0.11 | | | 0.09 | |
| Siente que su barrio es seguro | | -0.06 | | | -0.12 | |
| Siente que su barrio es seguro | | 0.00 | | | | |
| Percepcion de seguridad | | 0.27* | | | 0.32** | |
| Comuna=1 | | | 0.00 | | 0.00 | |
| Comuna=2 | | | -0.28 | | -0.53 | |
| Comuna=3 | | | 0.15 | | 0.01 | |
| Comuna=4 | | | 0.11 | | -0.11 | |
| Comuna=5 | | | -0.22 | | -0.40 | |
| Comuna=6 | | | 0.06 | | -0.07 | |
| Comuna=7 | | | -0.45 | | -0.65 | |
| Comuna=8 | | | -0.47 | | -0.53 | |
| Comuna=9 | | | 0.13 | | -0.10 | |
| Comuna=10 | | | -0.05 | | -0.30 | |
| Comuna=11 | | | -0.10 | | -0.28 | |
| Comuna=12 | | | -0.19 | | -0.39 | |
| Comuna=13 | | | -0.37 | | -0.43 | |
| Comuna=14 | | | -0.29 | | -0.31 | |
| Comuna=15 | | | -0.55 | | -0.66 | |
| Comuna=16 | | | 0.22 | | 0.07 | |
| Comuna=17 | | | -0.03 | | -0.42 | |
| Comuna=18 | | | -0.08 | | -0.09 | |
| Comuna=19 | | | -0.31 | | -0.66 | |
| Comuna=20 | | | 0.03 | | -0.04 | |
| Comuna=21 | | | 0.09 | | -0.01 | |
| Comuna=22 | | | 0.29 | | -0.13 | |
| Comuna=23 | | | -0.66 | | -0.87+ | |
| Estrato Socioeconomico=1 | | | | 0.00 | 0.00 | |
| Estrato Socioeconomico=2 | | | | 0.15 | 0.16 | |
| Estrato Socioeconomico=3 | | | | 0.14 | 0.22 | |
| Estrato Socioeconomico=4 | | | | 0.22 | 0.40 | |
| Estrato Socioeconomico=5 | | | | 0.68** | 0.92** | |
| Estrato Socioeconomico=6 | | | | 0.48 | 0.62 | |
| Siente que su barrio es seguro | | | | | 0.00 | |
| constant | 8.55*** | 7.90*** | 7.87*** | 8.14*** | 7.92*** | 8.17*** |
| N | 1214 | 1157 | 1141 | 1150 | 1153 | 1130 |

+ 0.10 * 0.05 ** 0.01 *** 0.001; robust
std err

Table 18: OLS regressions of satisfaccionvida.

2 Barrio FE

There are over 100 barrios, and full model fixed effect results with barrio dummies yield even stronger result below than

reported in paper on miobarrio of -.5. This is a remarkably strong result.

```
reg satisfaccionvida miobarrio barriocrimen barriobaldio barriopolicia barrioseguro
> seguro 'sd' i.comuna i.estrato i.bN, robust
```

| Linear regression | | Number of obs = 1,183 | | | |
|--------------------|-----------|-----------------------|--------------|--------------------|----------------------|
| | | F(225, 882) = . | Prob > F = . | R-squared = 0.2746 | Root MSE = 1.6995 |
| <hr/> | | | | | |
| satisfaccionvida | | Robust | | | |
| | Coef. | Std. Err. | t | P> t | [95% Conf. Interval] |
| miobarrio | -.5072881 | .2253141 | -2.25 | 0.025 | -.9495024 -.0650738 |
| barriocrimen | -.1519741 | .1501277 | -1.01 | 0.312 | -.4466234 .1426752 |
| barriobaldio | .0585559 | .1255517 | 0.47 | 0.641 | -.187859 .3049707 |
| barriopolicia | -.0294585 | .1300722 | -0.23 | 0.821 | -.2847456 .2258286 |
| barrioseguro | -.0895904 | .1632027 | -0.55 | 0.583 | -.4099014 .2307206 |
| seguro | .3216604 | .1299407 | 2.48 | 0.013 | .0666314 .5766894 |
| edad | -.0166817 | .0207693 | -0.80 | 0.422 | -.0574448 .0240813 |
| edad2 | .0001828 | .0002239 | 0.82 | 0.414 | -.0002566 .0006223 |
| mujer | .2189973 | .131804 | 1.66 | 0.097 | -.0396887 .4776833 |
| <hr/> | | | | | |
| promedioingresos | | | | | |
| lt 1 SMMLV | .1242456 | .2218443 | 0.56 | 0.576 | -.3111587 .55965 |
| 1-2 SMMLV | .3290293 | .1902141 | 1.73 | 0.084 | -.0442958 .7023543 |
| 2-4 SMMLV | .508169 | .2738477 | 1.86 | 0.064 | -.0293823 1.045586 |
| 4-8 SMMLV | .6368799 | .3432415 | 1.86 | 0.064 | -.0367855 1.310545 |
| gt 8 SMMLV | .4901427 | .5978279 | 0.82 | 0.413 | -.6831886 1.663474 |
| <hr/> | | | | | |
| etnia | | | | | |
| half blood | .0141653 | .1691406 | 0.08 | 0.933 | -.3177997 .3461304 |
| indigenous | .0026693 | .3134945 | 0.01 | 0.993 | -.612613 .6179516 |
| black | -.0059857 | .1909395 | -0.03 | 0.975 | -.3807345 .3687631 |
| other | -.3565242 | .7344251 | -0.49 | 0.627 | -.1797949 1.084901 |
| none | .5589964 | .3436762 | 1.63 | 0.104 | -.1155223 1.233515 |
| <hr/> | | | | | |
| estadocivil | | | | | |
| free union | .0208792 | .1740441 | 0.12 | 0.905 | -.3207097 .3624681 |
| separated/widowed | -.724732 | .3054828 | -2.37 | 0.018 | -1.32429 -.125174 |
| single | -.3283445 | .1756243 | -1.87 | 0.062 | -.6730348 .0163458 |
| widow | .0828537 | .523952 | 0.16 | 0.874 | -.9454845 1.111192 |
| <hr/> | | | | | |
| niveleducativo | | | | | |
| secondary | -.0190604 | .2323921 | -0.08 | 0.935 | -.4751666 .4370457 |
| technical | -.1194617 | .2557845 | -0.47 | 0.641 | -.6214791 .3825557 |
| professional | -.2382677 | .2657324 | -0.90 | 0.370 | -.7598093 .2832738 |
| postgraduate | -.2653087 | .3776093 | -0.70 | 0.482 | -.1006426 .4758089 |
| none | .0474597 | .4841196 | 0.10 | 0.922 | -.9027012 .9976207 |
| <hr/> | | | | | |
| satisfaccionesalud | .2682442 | .0640453 | 4.19 | 0.000 | .1425453 .3939432 |
| <hr/> | | | | | |
| comuna | | | | | |
| 2 | .1518402 | .4489129 | 0.34 | 0.735 | -.7292219 1.032902 |
| 3 | 1.068803 | 1.07674 | 0.99 | 0.321 | -1.04447 3.182075 |
| 4 | .6794159 | 1.317552 | 0.52 | 0.606 | -.1906487 3.265319 |
| 5 | .7580502 | .6461122 | 1.17 | 0.241 | -.5100466 2.026147 |
| 6 | -.3336977 | 1.501564 | -0.22 | 0.824 | -3.280753 2.613358 |
| 7 | .2169394 | .6676593 | 0.32 | 0.745 | -1.093447 1.527326 |
| 8 | -.1037208 | .8066094 | -0.13 | 0.898 | -1.686819 1.479377 |
| 9 | .4317839 | 1.018434 | 0.42 | 0.672 | -.1567054 2.430621 |
| 10 | .7664807 | .6835928 | 1.12 | 0.262 | -.5751777 2.108139 |
| 11 | 1.868524 | .7491733 | 2.49 | 0.013 | .3981533 3.338894 |
| 12 | -1.196121 | 1.755873 | -0.68 | 0.496 | -4.642298 2.250056 |
| 13 | .3773884 | .6118452 | 0.62 | 0.538 | -.823454 1.578231 |
| 14 | 1.027012 | .6624907 | 1.55 | 0.121 | -.2731521 2.327175 |
| 15 | .7053964 | .8758623 | 0.81 | 0.421 | -.1013621 2.424414 |
| 16 | .7234355 | .7349872 | 0.98 | 0.325 | -.7190926 2.165964 |
| 17 | -.2384543 | .6730162 | -0.35 | 0.723 | -.1559354 1.082446 |
| 18 | .1716081 | .6222014 | 0.28 | 0.783 | -.104956 1.392776 |
| 19 | -.1012861 | 1.117931 | -0.09 | 0.928 | -2.295402 2.09283 |
| 20 | -.2823581 | .9699782 | -0.29 | 0.771 | -2.186093 1.621377 |
| 21 | .3176695 | 1.073926 | 0.30 | 0.767 | -.1790079 2.425418 |
| 22 | .0688162 | .8423461 | 0.08 | 0.935 | -.1.58442 1.722053 |
| 23 | .2103123 | .6071843 | 0.35 | 0.729 | -.9813823 1.402007 |
| <hr/> | | | | | |
| estrato | | | | | |
| 2 | .1880044 | .2116971 | 0.89 | 0.375 | -.2274843 .6034932 |
| 3 | .2796257 | .2529051 | 1.11 | 0.269 | -.2167403 .7759917 |
| 4 | .2676222 | .3760617 | 0.71 | 0.477 | -.4704581 1.005702 |
| 5 | .4344328 | .4468779 | 0.97 | 0.331 | -.4426353 1.311501 |

| | | | | | | bN |
|---------------------|------------|----------|-------|-------|------------|----------|
| Aguablanca | 1.156706 | 1.421685 | 0.81 | 0.416 | -1.633573 | 3.946986 |
| Aguacatal | 3.645608 | 1.222987 | 2.98 | 0.003 | 1.245303 | 6.045913 |
| Alameda | 1.20305 | 1.658354 | 0.73 | 0.468 | -2.051731 | 4.457831 |
| Alameda | 1.290637 | 1.581835 | 0.82 | 0.415 | -1.813962 | 4.395237 |
| Alferez Real | 3.286216 | 1.290668 | 2.55 | 0.011 | .7530769 | 5.819355 |
| Alfonso Barberena | 3.212959 | 2.140219 | 1.50 | 0.134 | -.9875579 | 7.413476 |
| Alfonso Bonilla A.. | 1.241997 | 1.269321 | 0.98 | 0.328 | -1.249246 | 3.73324 |
| Alfonso Lopez | 1.824868 | 1.416728 | 1.29 | 0.198 | -.9556846 | 4.60542 |
| Alfonso Lopez III | 1.840845 | 1.440246 | 1.28 | 0.202 | -.9858639 | 4.667553 |
| Alirio Mora Beltran | 1.185978 | 1.382251 | 0.86 | 0.391 | -1.526906 | 3.898862 |
| Alto Napoles | 2.900814 | 1.35977 | 2.13 | 0.033 | .2320513 | 5.569577 |
| Alto napoles | 4.037963 | 1.188818 | 3.40 | 0.001 | 1.70472 | 6.371205 |
| Altos de Menga | 3.766102 | 1.185206 | 3.18 | 0.002 | 1.439948 | 6.092256 |
| Antonio Narino | 2.062128 | 1.221149 | 1.69 | 0.092 | -.3345697 | 4.458826 |
| Aranjuez | 2.821982 | 1.496844 | 1.89 | 0.060 | -.11581 | 5.759775 |
| Asturias | 5.001166 | 2.08545 | 2.40 | 0.017 | .9081419 | 9.09419 |
| Asturias | 4.065541 | 2.075797 | 1.96 | 0.050 | -.0085361 | 8.139618 |
| Atanasio Girardot | 3.665557 | 1.238427 | 2.96 | 0.003 | 1.23495 | 6.096164 |
| Barrio Departamen.. | .1263869 | 1.283504 | 0.10 | 0.922 | -2.392691 | 2.645465 |
| Barrio Obrero | 2.838832 | 1.635444 | 1.74 | 0.083 | -.3709837 | 6.048647 |
| Barrio Olaya Herr.. | 1.960156 | 1.732552 | 1.13 | 0.258 | -1.440248 | 5.360561 |
| Barrio San Carlos | .8214495 | 1.297271 | 0.63 | 0.527 | -1.724649 | 3.367548 |
| Belalcazar | 2.977993 | 1.521598 | 1.96 | 0.051 | -.0083817 | 5.964369 |
| Belalcazar | 3.203345 | 1.487722 | 2.15 | 0.032 | .2834561 | 6.123234 |
| Belen | 1.771703 | 1.834345 | 0.97 | 0.334 | -1.828487 | 5.371893 |
| Belisario Caicedo | .7175181 | 1.9779 | 0.36 | 0.717 | -3.164422 | 4.599458 |
| Bellavista | 1.415951 | 1.831348 | 0.77 | 0.440 | -2.178358 | 5.010259 |
| Bolivariano | 2.795368 | 1.720693 | 1.62 | 0.105 | -.5817626 | 6.172498 |
| Bolivariano | 2.670308 | 1.723087 | 1.55 | 0.122 | -.7115211 | 6.052136 |
| Bretana | 2.551446 | 1.448373 | 1.76 | 0.078 | -.291214 | 5.394106 |
| Brisas de Mayo | 3.864649 | 1.512372 | 2.56 | 0.011 | .8963801 | 6.832918 |
| Brisas de los Ala.. | 1.418329 | 1.221028 | 1.16 | 0.246 | -.978131 | 3.814789 |
| Brisas del Limonar | -.0432686 | 1.194822 | -0.04 | 0.971 | -2.388295 | 2.301757 |
| Buenos Aires | 2.973798 | 1.439256 | 2.07 | 0.039 | .149032 | 5.798563 |
| Caldas | 3.147474 | 1.301021 | 2.42 | 0.016 | .5940166 | 5.700932 |
| Calima | 2.329352 | 1.74164 | 1.34 | 0.181 | -1.08889 | 5.747594 |
| Calimio Desepaz | 2.00726 | 1.616109 | 1.24 | 0.215 | -1.164607 | 5.179128 |
| Calypso | 1.753557 | 1.537754 | 1.14 | 0.254 | -1.264528 | 4.771642 |
| Calypso | .6658251 | 1.360803 | 0.49 | 0.625 | -2.004964 | 3.336615 |
| Camino Real - Jca.. | 2.957078 | 1.587776 | 1.86 | 0.063 | -.159182 | 6.073337 |
| Canaverales - Los.. | .0048788 | 1.706923 | 0.00 | 0.998 | -3.345227 | 3.354984 |
| Caney | 3.119151 | 1.226087 | 2.54 | 0.011 | .7127626 | 5.525539 |
| Capri | 3.724545 | 1.230473 | 3.03 | 0.003 | 1.309549 | 6.139542 |
| Caaaverales - Lo.. | 2.67491 | 1.267048 | 2.11 | 0.035 | .1881297 | 5.161691 |
| Centenario | 2.836717 | 1.313407 | 2.16 | 0.031 | .25895 | 5.414484 |
| Champagnat | 1.248403 | 1.589896 | 0.79 | 0.433 | -1.872017 | 4.368823 |
| Champagnat | 1.123472 | 1.509632 | 0.74 | 0.457 | -1.839419 | 4.086363 |
| Chapinero | 3.231522 | 1.298147 | 2.49 | 0.013 | .6837037 | 5.779341 |
| Charco Azul | 1.796023 | 1.20069 | 1.50 | 0.135 | -.5605212 | 4.152566 |
| Chiminangos I | 2.001687 | 1.246754 | 1.61 | 0.109 | -.4452633 | 4.448638 |
| Chiminangos II | 2.918657 | 1.227336 | 2.38 | 0.018 | .5098179 | 5.327497 |
| Chipiche | 1.779192 | 1.256325 | 1.42 | 0.157 | -.6866167 | 4.244856 |
| Ciudad 2000 | 2.582137 | 1.185869 | 2.18 | 0.030 | .2546826 | 4.90959 |
| Ciudad Cordoba | 1.122022 | 1.115186 | 1.01 | 0.315 | -1.066706 | 3.31075 |
| Ciudad Talanga | 2.794068 | 1.488034 | 1.88 | 0.061 | -.1264328 | 5.714568 |
| Ciudad los Alamos | 3.45642 | 1.207001 | 2.86 | 0.004 | 1.08749 | 5.82535 |
| Ciudadela Floralia | 3.090866 | 1.884116 | 1.64 | 0.101 | -.6070066 | 6.78874 |
| Ciudadela del Rio.. | 3.611188 | 1.519764 | 2.38 | 0.018 | .6284123 | 6.593964 |
| Ciudadela del Rio.. | 3.251027 | 1.491336 | 2.18 | 0.030 | .3240469 | 6.178008 |
| Ciudadela del cam.. | 2.988229 | 1.29379 | 2.31 | 0.021 | .4489632 | 5.527494 |
| Colseguros Andes | 1.506787 | 1.465573 | 1.03 | 0.304 | -1.36963 | 4.383204 |
| Colseguros Andes | 2.535303 | 1.358322 | 1.87 | 0.062 | -.1306179 | 5.201224 |
| Compartir | .8350427 | 1.742788 | 0.48 | 0.632 | -2.585453 | 4.255538 |
| Compartir | 3.018683 | 1.620935 | 1.86 | 0.063 | -.1626562 | 6.200022 |
| Cristobal Colon | 1.441686 | 1.330652 | 1.08 | 0.279 | -1.169928 | 4.053299 |
| Cuarto de Legua -.. | 3.661137 | 1.524967 | 2.40 | 0.017 | .6681481 | 6.654125 |
| Danubio | 0.0492635 | 1.225314 | 0.04 | 0.968 | -2.355608 | 2.454135 |
| Doce de Octubre | -.1114841 | 2.042488 | -0.05 | 0.956 | -4.120188 | 3.89722 |
| El Bosque | 2.502084 | 1.475803 | 1.70 | 0.090 | -.3944115 | 5.39858 |
| El Diamante | 1.626593 | 1.306931 | 1.24 | 0.214 | -.9384646 | 4.191651 |
| El Diamante | 1.202162 | 1.220536 | 0.98 | 0.325 | -1.193332 | 3.597655 |
| El Dorado | .9881729 | 2.382279 | 0.41 | 0.678 | -3.687424 | 5.663769 |
| El Guabalo | 2.616142 | 1.256807 | 2.08 | 0.038 | .1494601 | 5.082824 |
| El Ingenio | 2.779886 | 1.246388 | 2.23 | 0.026 | .3336528 | 5.226118 |
| El Jardin | -.8407979 | 1.03578 | -0.81 | 0.417 | -2.873678 | 1.192082 |
| El Jordan | 2.772492 | 1.173235 | 2.36 | 0.018 | .4698345 | 5.075149 |
| El Lido | 2.949367 | 1.780395 | 1.66 | 0.098 | -.5449391 | 6.443673 |
| El Limonar | 2.389661 | 1.238932 | 1.93 | 0.054 | -.0419375 | 4.821259 |
| El Morichal | 1.87631 | 1.099501 | 1.71 | 0.088 | -.2816329 | 4.034253 |
| El Nacional | 2.571744 | 1.563275 | 1.65 | 0.100 | -.496429 | 5.639917 |
| El Paraiso | 5.168042 | 2.131554 | 2.42 | 0.016 | .9845325 | 9.351551 |
| El Piloto | 2.654609 | 1.544768 | 1.72 | 0.086 | -.3772414 | 5.68646 |
| El Poblado | 2.262677 | 1.241015 | 1.82 | 0.069 | -.1730095 | 4.698364 |
| El Poblado II | 2.236742 | 1.557348 | 1.44 | 0.151 | -.8197976 | 5.293282 |
| El Recuerdo | 1.245627 | .9484852 | 1.31 | 0.189 | -.6159244 | 3.107178 |
| El Recuerdo | .8996141 | 1.416799 | 0.63 | 0.526 | -.1881077 | 3.680305 |
| El Refugio | 2.886663 | 1.549017 | 1.86 | 0.063 | -.1535269 | 5.926853 |
| El Remanso | 1.882306 | 1.639491 | 1.15 | 0.251 | -.1335452 | 5.100065 |
| El Rodeo | 3.792184 | 1.859256 | 2.04 | 0.042 | .1431014 | 7.441266 |
| El Sena | -.1.065233 | 1.246747 | -0.85 | 0.393 | -.3.512171 | 1.381705 |
| El Trebol | .9652318 | 1.307048 | 0.74 | 0.460 | -.1.600055 | 3.530518 |
| El Trebol | 2.624512 | 1.30081 | 2.02 | 0.044 | .0714674 | 5.177556 |
| El Troncal | 3.287029 | 1.336122 | 2.46 | 0.014 | .6646806 | 5.909378 |

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|---------------------|-----------|----------|-------|-------|------------|----------|
| El Vergel | 1.785286 | 1.576541 | 1.13 | 0.258 | -1.308924 | 4.879496 |
| Flora Industrial | 2.17327 | 1.568862 | 1.39 | 0.166 | -.9058684 | 5.252408 |
| Granada | 2.261066 | 1.200845 | 1.88 | 0.060 | -.0957807 | 4.617912 |
| Guayaquil | .0930923 | 1.925045 | 0.05 | 0.961 | -3.685112 | 3.871297 |
| Guayaquil | .7785036 | 1.577915 | 0.49 | 0.622 | -2.318404 | 3.875411 |
| Industrial | -1.625145 | 1.309444 | -1.24 | 0.215 | -4.195135 | .9448445 |
| Jorge Eliocer Gai.. | 3.226904 | 2.129487 | 1.52 | 0.130 | -.9525479 | 7.406357 |
| Jorge Isaacs | 3.258968 | 1.771027 | 1.84 | 0.066 | -.2169507 | 6.734887 |
| Jose Manuel Marro.. | 1.528169 | 1.649732 | 0.93 | 0.355 | -1.70969 | 4.766028 |
| Jose Manuel Marro.. | 1.856212 | 1.209874 | 1.53 | 0.125 | -.5183565 | 4.23078 |
| Jose Maria Cordoba | -1.072532 | .9377467 | -1.14 | 0.253 | -2.913008 | .767943 |
| Juanambu | 2.546194 | 1.279576 | 1.99 | 0.047 | .0348244 | 5.057563 |
| Junin | 2.824113 | 1.499602 | 1.88 | 0.060 | -.1190909 | 5.767318 |
| La Alianza | 2.506101 | 1.721003 | 1.46 | 0.146 | -.8716376 | 5.883839 |
| La Base | 2.55072 | 1.289645 | 1.98 | 0.048 | .0195899 | 5.081851 |
| La Cascada | 2.017356 | 1.819018 | 1.11 | 0.268 | -1.552753 | 5.587466 |
| La Esmeralda | 2.710015 | 1.755198 | 1.54 | 0.123 | -.7348377 | 6.154868 |
| La Flora | 2.394539 | 1.253389 | 1.91 | 0.056 | -.0654334 | 4.854512 |
| La Floresta | 3.660148 | 1.359959 | 2.69 | 0.007 | .991014 | 6.329281 |
| La Fortaleza | 1.779572 | .9300553 | 1.91 | 0.056 | -.0458073 | 3.604952 |
| La Gran Colombia | 1.473011 | .9477982 | 1.55 | 0.121 | -.3871921 | 3.333214 |
| La Hacienda | 3.13605 | 1.269811 | 2.47 | 0.014 | .6438457 | 5.628254 |
| La Independencia | .4758033 | .9277494 | 0.51 | 0.608 | -1.345051 | 2.296657 |
| La Isla | -.0537228 | 1.81788 | -0.03 | 0.976 | -3.621598 | 3.514153 |
| La Libertad | 2.666708 | 1.296304 | 2.06 | 0.040 | .1225071 | 5.210909 |
| La Merced | 2.361237 | 1.38476 | 1.71 | 0.089 | -.3565714 | 5.079045 |
| La Playa | 3.876914 | 1.241155 | 3.12 | 0.002 | 1.440952 | 6.312876 |
| La Rivera | 3.655316 | 1.530713 | 2.39 | 0.017 | .6510511 | 6.659582 |
| La Selva | 2.932812 | 1.221979 | 2.40 | 0.017 | .5344864 | 5.331138 |
| Las Acacias | 2.811735 | 1.231407 | 2.28 | 0.023 | .3949044 | 5.228565 |
| Las Americas | 1.254095 | 1.370522 | 0.92 | 0.360 | -.1435769 | 3.943959 |
| Las Delicias | 3.305646 | 1.711367 | 1.93 | 0.054 | -.0531803 | 6.664472 |
| Las Granjas | .5419442 | 1.259586 | 0.43 | 0.667 | -.1.930192 | 3.014081 |
| Las Orquideas | 1.866602 | 1.389695 | 1.34 | 0.180 | -.8608933 | 4.594098 |
| Las Palmas | -3.180598 | 1.205755 | -2.64 | 0.008 | -5.547083 | -.814114 |
| Las Quintas de Do.. | 3.25646 | 1.262211 | 2.58 | 0.010 | .7791711 | 5.733748 |
| Las acacias | 3.002086 | 1.277131 | 2.35 | 0.019 | .4955161 | 5.508656 |
| Leon XIII | 1.205244 | 1.044576 | 1.15 | 0.249 | -.8449015 | 3.255389 |
| Lili | 2.405439 | 1.299639 | 1.85 | 0.065 | -.1453063 | 4.956185 |
| Lleras Camargo | 2.986225 | 1.500758 | 1.99 | 0.047 | .0407516 | 5.931698 |
| Lleras Restrepo | 4.1047 | 1.228263 | 3.34 | 0.001 | 1.694041 | 6.51536 |
| Los Alcazares | 2.598843 | 2.04054 | 1.27 | 0.203 | -.1.406039 | 6.603725 |
| Los Andes | 1.572709 | 1.257877 | 1.25 | 0.212 | -.8960727 | 4.041491 |
| Los Andes B - La .. | 2.910413 | 1.279172 | 2.28 | 0.023 | .3998372 | 5.420988 |
| Los Chorros | 2.426262 | 1.234946 | 1.96 | 0.050 | .0024873 | 4.850037 |
| Los Comuneros I E.. | 1.24742 | 1.495236 | 0.83 | 0.404 | -.1.687215 | 4.182055 |
| Los Comuneros II .. | 1.65661 | 1.852706 | 0.89 | 0.371 | -.1.979618 | 5.292837 |
| Los Conquistadores | 2.126328 | .9758369 | 2.18 | 0.030 | .2110945 | 4.041561 |
| Los Guaduales | 4.731016 | 1.881613 | 2.51 | 0.012 | 1.038054 | 8.423978 |
| Los Guayacanes | 2.253606 | 1.539645 | 1.46 | 0.144 | -.7681887 | 5.2754 |
| Los Lagos | 1.076255 | 1.261588 | 0.85 | 0.394 | -.1.399811 | 3.55232 |
| Los Naranjos I | 1.52615 | 1.378488 | 1.11 | 0.269 | -.1.179349 | 4.231649 |
| Los Parques Barra.. | -.526351 | 3.103302 | -0.17 | 0.865 | -.6.617069 | 5.564367 |
| Los Pinos | 1.96004 | 1.248242 | 1.57 | 0.117 | -.4898313 | 4.409912 |
| Los Portales- Nue.. | 2.843258 | 1.263974 | 2.25 | 0.025 | .3625108 | 5.324006 |
| Los Robles | 3.463648 | 1.217644 | 2.84 | 0.005 | 1.07383 | 5.853465 |
| Los Sauces | .2535694 | 1.11524 | 0.23 | 0.820 | -.1.935265 | 2.442403 |
| Lourdes | .1390621 | 1.309668 | 0.11 | 0.915 | -.2.431367 | 2.709491 |
| Lourdes | .8860303 | 1.188481 | 0.75 | 0.456 | -.1.446552 | 3.218612 |
| Manuela Beltran | .989565 | 1.402471 | 0.71 | 0.481 | -.1.763006 | 3.742136 |
| Manzanares | 3.487323 | 1.710788 | 2.04 | 0.042 | .1296333 | 6.845012 |
| Mariano Ramos | 1.867789 | 1.231161 | 1.52 | 0.130 | -.5485577 | 4.284135 |
| Melendez | 2.577195 | 1.249452 | 2.06 | 0.039 | .124949 | 5.02944 |
| Menga | 2.969723 | 1.605093 | 1.85 | 0.065 | -.1805244 | 6.11997 |
| Metropolitano del.. | .5996801 | 1.226134 | 0.49 | 0.625 | -.1.806801 | 3.006161 |
| Miraflores | 3.237104 | 1.497503 | 2.16 | 0.031 | .2980191 | 6.17619 |
| Mojica | 3.519002 | 1.175762 | 2.99 | 0.003 | 1.211384 | 5.82662 |
| Municipal | 2.717554 | 1.614897 | 1.68 | 0.093 | -.4519347 | 5.887043 |
| Napoles | 2.582285 | 1.194738 | 2.16 | 0.031 | .2374238 | 4.927145 |
| Normandia | 3.571525 | 1.203846 | 2.97 | 0.003 | 1.208787 | 5.934262 |
| Normandia | 1.82798 | 1.800937 | 1.02 | 0.310 | -.1.706642 | 5.362601 |
| Nueva Floresta | 3.051773 | 1.272637 | 1.40 | 0.160 | -.1.212368 | 7.315914 |
| Nueva Tequendama | 4.225159 | 1.553999 | 2.72 | 0.007 | 1.175191 | 7.275126 |
| Olimpico | 2.228995 | 1.478857 | 1.51 | 0.132 | -.6734958 | 5.131485 |
| Omar Torrijos | 3.253673 | 1.238958 | 2.63 | 0.009 | .8220235 | 5.685323 |
| Pampa Linda | 2.851706 | 1.763446 | 1.62 | 0.106 | -.6093336 | 6.312746 |
| Panamericano | .4549466 | 1.380395 | 0.33 | 0.742 | -.2.254295 | 3.164188 |
| Parcelaciones Pan.. | 3.308947 | 1.382653 | 2.39 | 0.017 | .5952735 | 6.022621 |
| Petecuy Primera E.. | 3.335494 | 1.921599 | 1.74 | 0.083 | -.4359466 | 7.106934 |
| Petecuy Segunda E.. | 4.269619 | 1.928894 | 2.21 | 0.027 | .4838613 | 8.055376 |
| Pizamos I | 2.226233 | 1.697062 | 1.31 | 0.190 | -.1.104517 | 5.556983 |
| Polvorines | 4.111126 | 1.189969 | 3.45 | 0.001 | 1.775624 | 6.446627 |
| Popular | 2.090203 | 1.781038 | 1.17 | 0.241 | -.1.405365 | 5.585771 |
| Porvenir | 1.847538 | 1.793305 | 1.03 | 0.303 | -.1.672105 | 5.367181 |
| Potero Grande | 3.892977 | 1.53491 | 2.54 | 0.011 | .8804734 | 6.90548 |
| Prados del Norte | 4.37991 | 1.217747 | 3.60 | 0.000 | 1.989889 | 6.769931 |
| Prados del Oriente | -1.032549 | 1.005664 | -1.03 | 0.305 | -.3.006322 | .9412249 |
| Prados del Sur | 3.126732 | 1.639149 | 1.91 | 0.057 | -.0903567 | 6.34382 |
| Primavera | 2.650782 | .9545493 | 2.78 | 0.006 | .7773287 | 4.524235 |
| Primero de Mayo | 3.413272 | 1.273556 | 2.68 | 0.007 | .9137181 | 5.912827 |
| Primitivo Crespo | 4.460541 | 1.305175 | 3.42 | 0.001 | 1.89893 | 7.022152 |
| Puerta del Sol | 1.264649 | 1.367999 | 0.92 | 0.356 | -.1.420443 | 3.949382 |
| Puerto Mallarino | .2716032 | 3.2761 | 0.08 | 0.934 | -.6.158258 | 6.701465 |
| Rafael Uribe Uribe | -.671497 | 1.386972 | -0.48 | 0.628 | -.3.393648 | 2.050653 |

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|---------------------|-----------|----------|-------|-------|------------|----------|
| Republica de Israel | 2.647589 | 1.206254 | 2.19 | 0.028 | .2801268 | 5.015052 |
| Ricardo Balcazar | 1.999172 | 1.706777 | 1.17 | 0.242 | -1.350646 | 5.348989 |
| Rodrigo Lara Boni.. | 1.834738 | 1.23098 | 1.49 | 0.136 | -.5812527 | 4.250729 |
| Saavedra Galindo | 1.844109 | 1.99329 | 0.93 | 0.355 | -2.068036 | 5.756254 |
| Salomia | 1.478212 | 1.879356 | 0.79 | 0.432 | -2.210319 | 5.166744 |
| San Antonio | .5655684 | 1.717953 | 0.33 | 0.742 | -2.806185 | 3.937322 |
| San Fernando Nuevo | 2.831822 | 1.590323 | 1.78 | 0.075 | -.2894365 | 5.953081 |
| San Fernando Viejo | 2.002691 | 1.641898 | 1.22 | 0.223 | -1.219792 | 5.225173 |
| San Juan Bosco | 2.001204 | 1.547977 | 1.29 | 0.196 | -1.036946 | 5.039353 |
| San Judas Tadeo II | 1.657002 | 1.370577 | 1.21 | 0.227 | -1.032971 | 4.346976 |
| San Luis | 2.439278 | 1.965633 | 1.24 | 0.215 | -1.418585 | 6.297141 |
| San Luis II | 1.424104 | 1.878293 | 0.76 | 0.449 | -2.262342 | 5.110549 |
| San Marino | .55793 | 1.622102 | 0.34 | 0.731 | -2.625801 | 3.741461 |
| San Nicolas | 2.134895 | 1.76486 | 1.21 | 0.227 | -1.32892 | 5.598711 |
| San Pascual | 1.228405 | 1.567609 | 0.78 | 0.433 | -1.848274 | 4.305085 |
| San Pedro | .602908 | 1.543871 | 0.39 | 0.696 | -2.427182 | 3.632998 |
| San Pedro Claver | 1.893041 | .9629186 | 1.97 | 0.050 | .003162 | 3.782921 |
| Santa Anita - La .. | 3.151975 | 1.594482 | 1.98 | 0.048 | .0225539 | 6.281396 |
| Santa Elena | 1.646522 | 1.319249 | 1.25 | 0.212 | -.9427116 | 4.235756 |
| Santa Fe | 2.138687 | 1.523378 | 1.40 | 0.161 | -.8511808 | 5.128556 |
| Santa Isabel | 3.420122 | 1.508263 | 2.27 | 0.024 | .4599184 | 6.380325 |
| Santa Monica | 1.647834 | 1.337177 | 1.23 | 0.218 | -.976586 | 4.272253 |
| Santa Monica | 2.786383 | 1.199098 | 2.32 | 0.020 | .432965 | 5.139801 |
| Santa Monica Popu.. | 2.321554 | 1.456377 | 1.59 | 0.111 | -.5368156 | 5.179923 |
| Santa Teresita | 2.497275 | 1.258039 | 1.99 | 0.047 | .0281761 | 4.966374 |
| Santander | 3.475285 | 1.748338 | 1.99 | 0.047 | .0438968 | 6.906673 |
| Santo Domingo | 1.30484 | 1.312938 | 0.99 | 0.321 | -1.272007 | 3.881688 |
| Sector Alto Jordan | 3.186229 | 1.199405 | 2.66 | 0.008 | .8322083 | 5.54025 |
| Sector Altos de N.. | 2.028682 | 1.690211 | 1.20 | 0.230 | -1.288623 | 5.345987 |
| Sector Caaaver.. | 2.294841 | 1.827071 | 1.26 | 0.209 | -1.291073 | 5.880754 |
| Seminario | 3.967621 | 1.640332 | 2.42 | 0.016 | .7482126 | 7.18703 |
| Siete de Agosto | 2.912815 | 1.332919 | 2.19 | 0.029 | .2967517 | 5.528879 |
| Siloe | 3.297386 | 1.392215 | 2.37 | 0.018 | .5649463 | 6.029827 |
| Simon Bolivar | -.4048308 | 1.33162 | -0.30 | 0.761 | -3.018345 | 2.208684 |
| Sindical | 4.350742 | 2.146896 | 2.03 | 0.043 | .1371215 | 8.564363 |
| Sucre | .7664454 | 1.46532 | 0.52 | 0.601 | -2.109475 | 3.642366 |
| Terron Colorado | 2.540876 | 1.196904 | 2.12 | 0.034 | .1917633 | 4.889989 |
| Torres de Comfandi | 1.536761 | 1.420869 | 1.08 | 0.280 | -1.251917 | 4.32544 |
| Ulptiano Lloreda | 2.259722 | 1.627587 | 1.39 | 0.165 | -.9346735 | 5.454117 |
| Unicentro Cali | 3.202869 | 1.23663 | 2.59 | 0.010 | .7757883 | 5.62995 |
| Unidad Residencia.. | 2.060346 | 1.998203 | 1.03 | 0.303 | -.1861443 | 5.982134 |
| Union de Vivienda.. | 1.84386 | 1.217063 | 1.52 | 0.130 | -.5448179 | 4.232537 |
| Urbanizacion Cali.. | 4.325102 | 1.902646 | 2.27 | 0.023 | .5908601 | 8.059343 |
| Urbanizacion Ciud.. | 2.517942 | 1.414256 | 1.78 | 0.075 | -.2577584 | 5.293642 |
| Urbanizacion Nuev.. | 2.78824 | 1.513995 | 1.84 | 0.066 | -.183213 | 5.759693 |
| Urbanizacion San .. | 2.186058 | 1.586132 | 1.38 | 0.168 | -.9269754 | 5.299091 |
| Urbanizacion Tequ.. | 3.54428 | 1.613202 | 2.20 | 0.028 | .3781177 | 6.710443 |
| Urbanizacion la N.. | 2.511331 | 1.323382 | 1.90 | 0.058 | -.0860155 | 5.108677 |
| Vallado | 1.42071 | 1.577083 | 0.90 | 0.368 | -.1.674563 | 4.515982 |
| Valle Grande | 2.311742 | 1.627515 | 1.42 | 0.156 | -.8825132 | 5.505996 |
| Villa Colombia | 2.163057 | 1.381147 | 1.57 | 0.118 | -.5476621 | 4.873776 |
| Villa del Lago | 1.55257 | 1.371056 | 1.13 | 0.258 | -.1.138343 | 4.243482 |
| Villa del Prado -.. | 1.273603 | 1.418861 | 0.90 | 0.370 | -.1.511136 | 4.058341 |
| Villa del Sur | .6950872 | 1.625227 | 0.43 | 0.669 | -.2.494677 | 3.884851 |
| Villanueva | 3.720309 | 1.766866 | 2.11 | 0.036 | .2525561 | 7.188061 |
| Vipasa | 4.376877 | 2.088689 | 2.10 | 0.036 | .2774973 | 8.476257 |
| Vista Hermosa | 3.298277 | 1.58393 | 2.08 | 0.038 | .1895644 | 6.406989 |
| _cons | 5.663778 | 1.279888 | 4.43 | 0.000 | 3.151797 | 8.175759 |