

# Public Transit Nearby? Not Happy.

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

Thursday 25<sup>th</sup> August, 2022 09:06

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 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 on 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

Commute matters. One may work 8hrs per day, but an additional hour is usually "wasted" on getting to and from work.

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)<sup>1</sup> (Moovit 2022). Notably, of all daily activities, commute is the very least happy activity (Kahneman et al. 2004).

While there is much research on the commute itself (for a recent review see Manke 2021), proximity of public transit is an often overlooked aspect of daily commute. In the present research we focus on the effect of proximity to public transportation (bus stop) and happiness.

There is research on transportation and happiness. 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

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<sup>1</sup>Hence, we use terms "public transit" and "bus" interchangeably.

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. Bus stops are an important feature of built environment, especially the major ones, and especially in large cities without other public transportation such as subway/metro such as Cali.

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 subway is found to promote happiness through walkability, transit quality, and accessibility pathways (Yin et al. 2021). In Shanghai, Li et al. (2018) 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:

*Proximity of MIO: benefits outweigh costs—if there is a bus stop in one's proximity, one is happier.*

It is commonly lamented that much of social scientific research is done on WEIRD people, e.g., people from Western, Educated, Industrialized, Rich and Democratic (WEIRD) societies. If not WEIRD, at least the bias is towards 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 level, society/nation level, or region/province level. Virtually all SWB research analyzes person level data that are representative of (or nested within) society/nation level and/or region/province level. Research at neighborhood/community level is rare. . The present research aims to fill in both of these gaps.

Nationally 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).

To our best knowledge, there is simply no neighborhood/community level dataset in Global South (except China) containing SWB measures. The only SWB dataset representative of neighborhoods/communities in Global South is CaliBRANDO (Martínez and Short 2020, Martínez 2017).

## 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 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 Socioeconomico").

**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 perc, and about 100 or 8 perc say that there is no MIO in their neighborhood. This is expected, MIO is ubiquitous throughout Cali.<sup>2</sup>

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 decrease in happiness by .3. A third of a point on 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-a6<sup>3</sup>, 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

<sup>2</sup>In SOM we cross tabulate presence of MIO by barrio. Many barrios have a 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?**

<sup>3</sup>Again, note that SMMLV=”monthly minimum wage.”

by about .3 or .35.

	a1	a2	a3	a4	a5	a6
<b>time to MIO (base: 1st quantile):</b>						
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
age squared		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***
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 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 “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 Dantzer (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 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 coverage<sup>4</sup>

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 positive effect<sup>5</sup> 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 a rich information on 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 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.<sup>6</sup> **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

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<sup>4</sup><https://www.internationalteflacademy.com/blog/the-top-10-public-transportation-systems-around-the-world> <https://gobackpacking.com/public-transportation-south-america/>.

<sup>5</sup>Though insignificant in more elaborate specifications.

<sup>6</sup>We 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 the bliss—the poor may be relatively segregated and isolated into their neighborhoods, not knowing better, and thus being satisfied with little 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 hypothesis.

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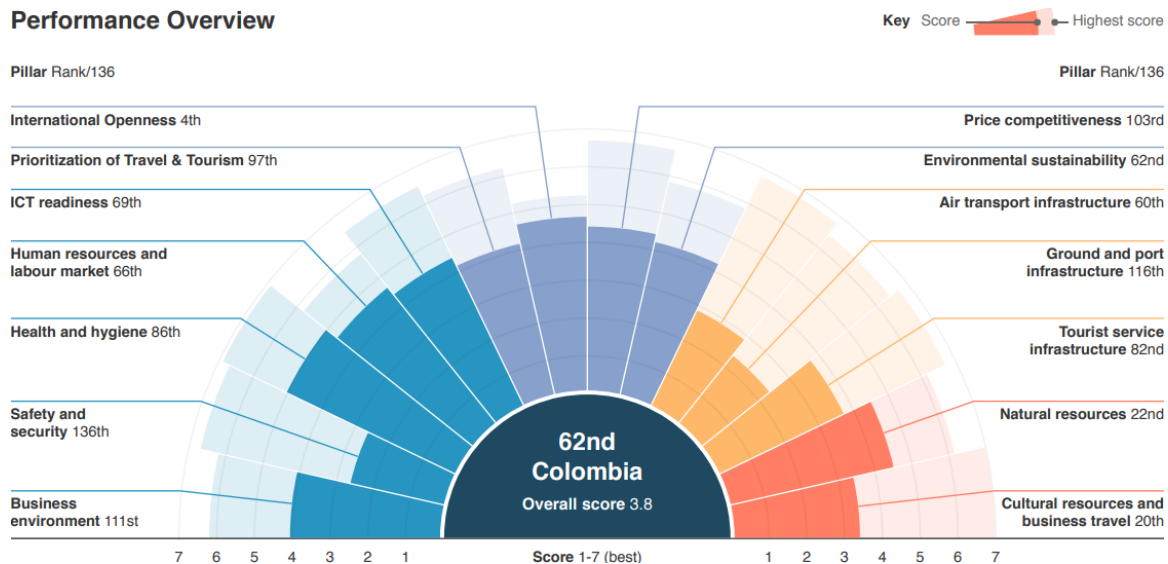
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## ONLINE APPENDIX

[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

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?<sup>7</sup>



**Figure 1:** World Economic Forum report 2017. [https://www3.weforum.org/docs/WEF\\_TTCR\\_2017\\_web\\_0401.pdf](https://www3.weforum.org/docs/WEF_TTCR_2017_web_0401.pdf)

<sup>7</sup>We were unable to find rankings of public transportation across Colombian cities.

Variables' definitions, coding, and distributions

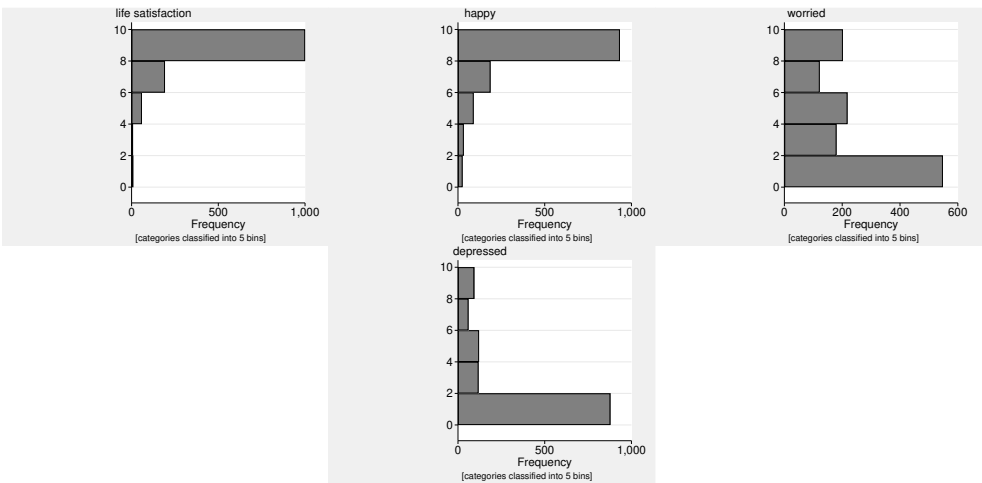
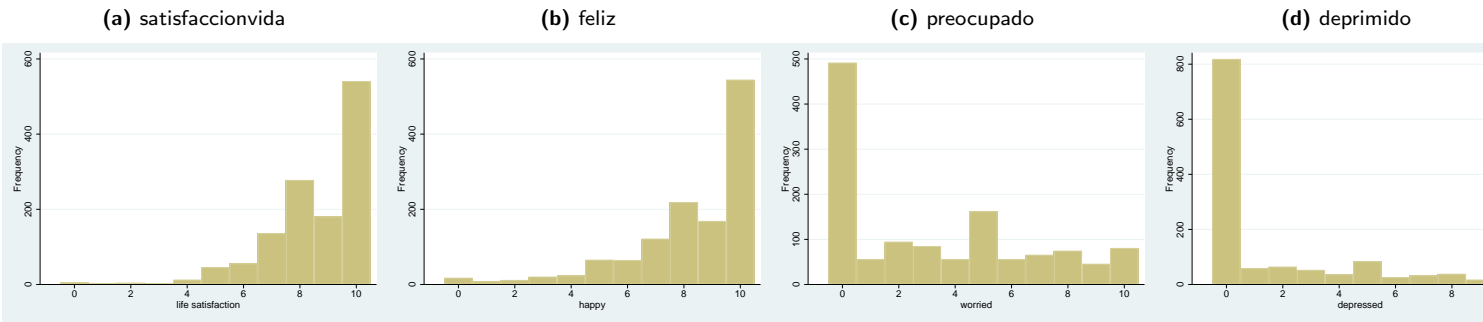


Figure 2: Variables' distribution.

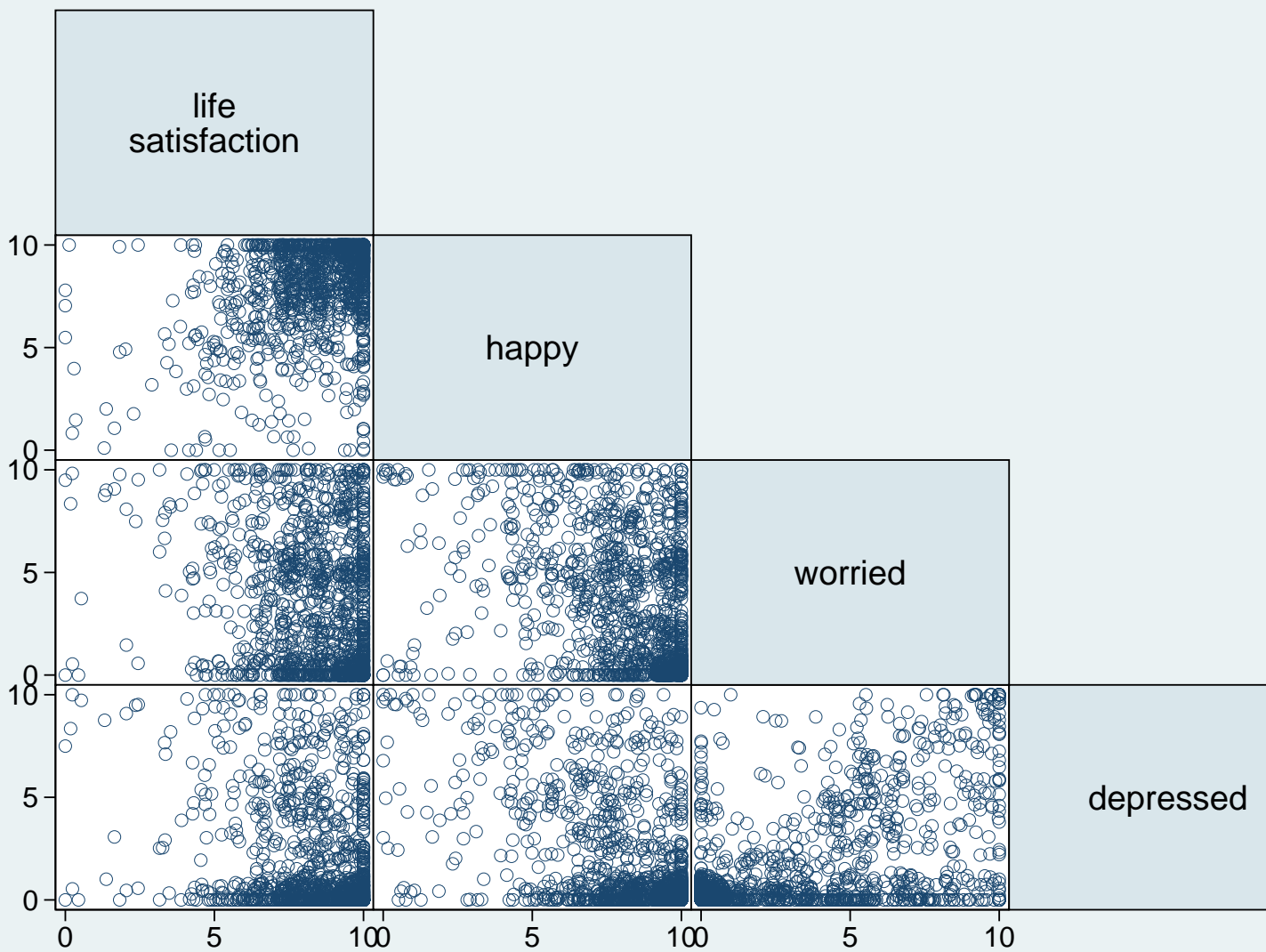
Figure 3: SWB measures' distributions.



Pairwise correlations all significant at .05

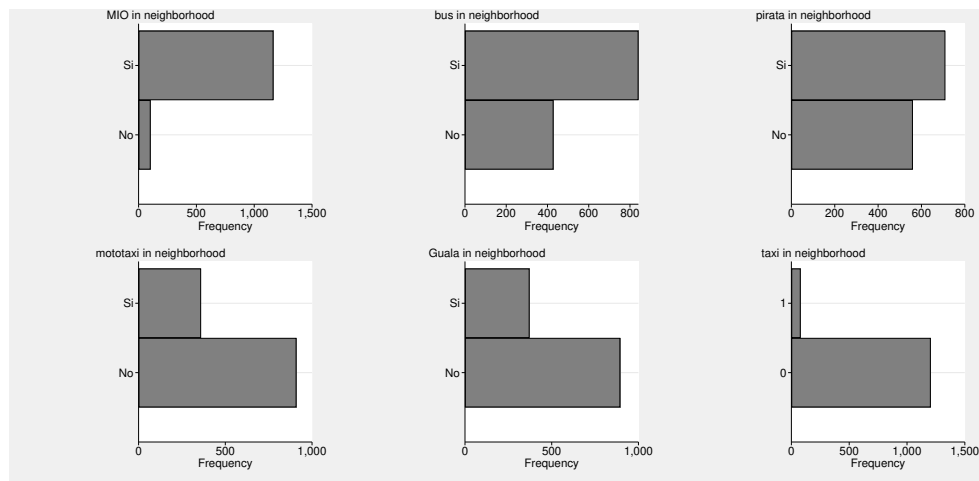
	satisfaccionvida	feliz	preocupado	deprimido
satisfaccionvida	1.0			
feliz	0.4	1.0		
preocupado	-0.2	-0.4	1.0	
deprimido	-0.3	-0.5	0.5	1.0





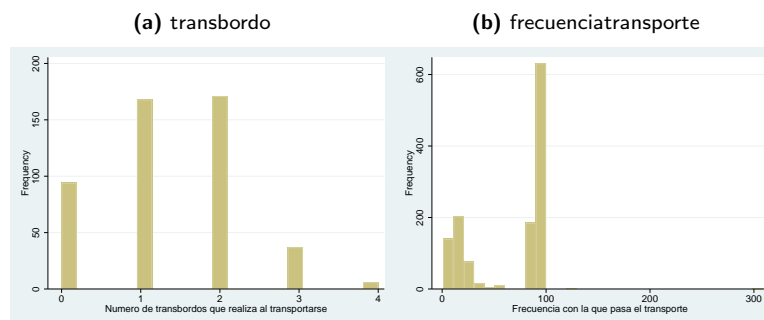
**Figure 4:** Scatterplot matrix.

So in fig 4: 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 5: Variables' distribution.**

**Figure 6: Transpo.**



Interesting wide variability here in terms of time to various amenities

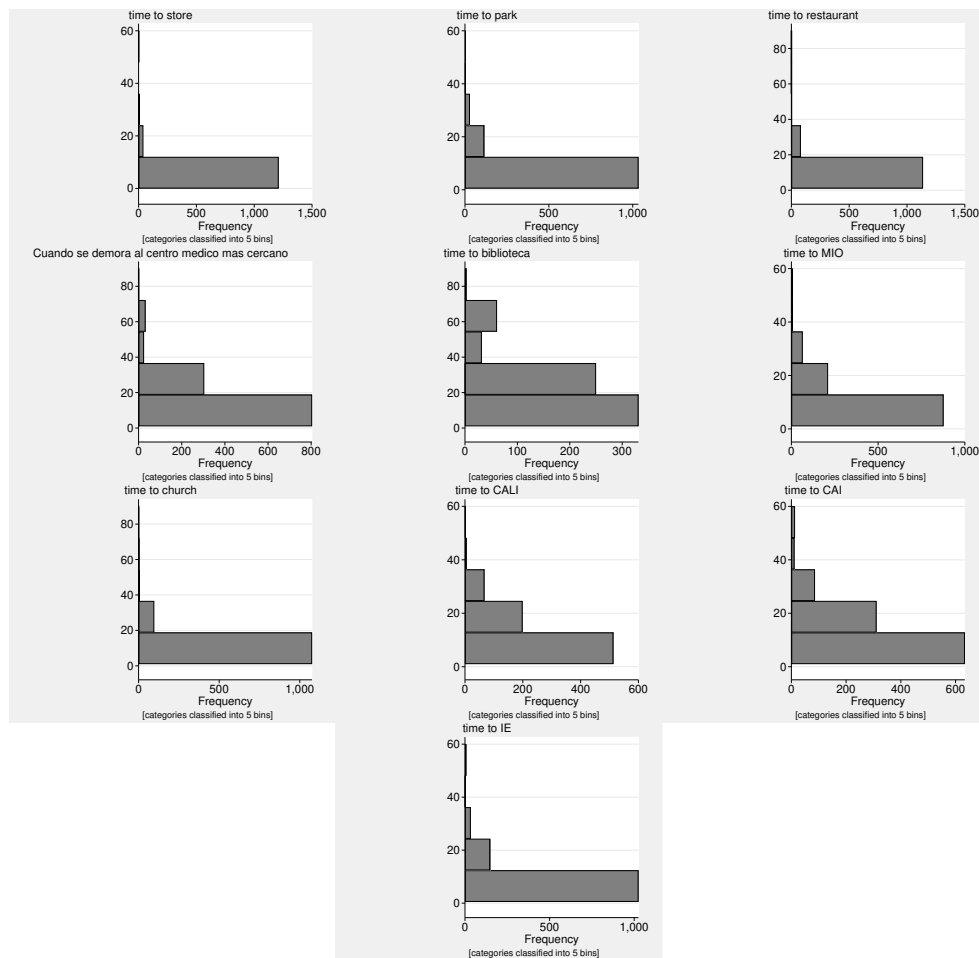


Figure 7: Variables' distribution.

## 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 instace see pictures taken by one of the authors.

Another figure 9 highlights that bus stops are made of plentiful of metal and concrete.

Figure 8: MIO crowding around station and inside.



Figure 9: Metal and concrete.



	a1	a2	a3	a4	a5	a6
Acceso a medio de transporte: MIO	-0.30*					
Edad	-0.02	-0.33*	-0.34*	-0.36*	-0.38*	-0.40*
edad2	0.00	-0.02	-0.02	-0.02	-0.02	-0.02
RECODE of sexo (Sexo)	0.00	0.00	0.00	0.00	0.00	0.00
Menos de 1 SMMLV	0.21+	0.24*	0.23*	0.19+	0.25*	0.26+
Mas de 1 SMMLV y menos de 2 SMMLV	0.29*	0.30*	0.25+	0.28*	0.35+	0.37+
Mas de 2 SMMLV y menos de 4 SMMLV	0.41*	0.43*	0.38+	0.57*	0.60*	0.63*
Mas de 4 SMMLV y menos de 8 SMMLV	0.72**	0.75**	0.70*	0.45	0.39	0.39
Mas de 8 SMMLV	0.74+	0.70+	0.73+	-0.07	-0.08	-0.08
No tiene ingresos	-0.03	-0.01	-0.06	0.00	0.00	0.00
Blanco	0.00	0.00	0.00	0.00	0.00	0.00
Mestizo	0.05	0.09	0.03	0.08	0.09	0.09
Indigena	0.14	0.12	0.09	0.14	0.06	0.06
Negro/afro	-0.06	-0.05	-0.04	-0.02	-0.02	-0.02
Otro	0.14	0.09	0.12	0.18	0.13	0.13
Ninguno	0.64*	0.63*	0.62*	0.66*	0.64*	0.64*
Casado(a)	0.00	0.00	0.00	0.00	0.00	0.00
Union libre	0.05	0.05	0.04	0.07	0.07	0.07
Separado/divorciado	-0.65**	-0.69**	-0.69**	-0.64**	-0.74**	-0.74**
Soltero(a)	-0.35*	-0.36*	-0.36*	-0.34*	-0.36*	-0.36*
Viudo(a)	0.08	0.08	0.01	0.12	0.07	0.07
Primaria	0.00	0.00	0.00	0.00	0.00	0.00
Secundaria	0.01	0.02	-0.01	-0.03	0.00	0.00
Tecnica	-0.19	-0.16	-0.22	-0.25	-0.22	-0.22
Profesional	-0.19	-0.18	-0.23	-0.34	-0.30	-0.30
Posgrado	-0.29	-0.28	-0.30	-0.53+	-0.45	-0.45
Ninguno	2.01***	1.66***	1.72***	1.99***	1.41***	1.41***
Estado de salud	0.29***	0.28***	0.29***	0.27***	0.27***	0.27***
En su barrio ha ocurrido algun tipo de crimen		20	-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			0.00
Percepcion de seguridad			0.27*			0.33**
C				0.00		0.00

	a1	a2	a3	a4	a5	a6
5 quantiles of mtiempo=1	0.00	0.00	0.00	0.00	0.00	0.00
5 quantiles of mtiempo=2	-0.09	-0.13	-0.16	-0.14	-0.11	-0.14
5 quantiles of mtiempo=3	0.17	0.12	0.09	0.13	0.13	0.12
5 quantiles of mtiempo=4	-0.09	-0.07	-0.08	-0.06	-0.07	-0.07
5 quantiles of mtiempo=5	0.25	0.25	0.26	0.27	0.29+	0.34+
Edad		-0.02	-0.01	-0.02	-0.02	-0.02
edad2		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 libre		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
edad2		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
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
Indigena		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 libre		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
edad2		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	-0.01
edad2	0.00	0.00	-0.00	-0.00	0.00	0.00
RECODE of sexo (Sexo)	0.21	0.26	0.22	0.23	0.30+	0.30+
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	0.14	0.18	0.01	0.10	0.04	0.04
Mas de 2 SMMLV y menos de 4 SMMLV	-0.09	-0.08	-0.09	-0.23	-0.20	-0.20
Mas de 4 SMMLV y menos de 8 SMMLV	0.92*	0.80*	0.61	0.76+	0.48	0.48
Mas de 8 SMMLV	-0.70*	-0.82*	-1.51***	-0.74*	-1.53**	-1.53**
No tiene ingresos	0.07	0.17	-0.01	0.05	0.05	0.05
Blanco	0.00	0.00	0.00	0.00	0.00	0.00
Mestizo	-0.26	-0.16	-0.26	-0.24	-0.16	-0.16
Indigena	-0.60	-0.66	-0.66	-0.52	-0.70	-0.70
Negro/afro	-0.39+	-0.38+	-0.26	-0.33	-0.20	-0.20
Otro	-1.47***	-1.56***	-1.50***	-1.44***	-1.53**	-1.53**
Ninguno	1.47***	1.45***	1.19***	1.56***	1.28***	1.28***
Casado(a)	0.00	0.00	0.00	0.00	0.00	0.00
Union libre	0.08	0.14	0.09	0.05	0.11	0.11
Separado/divorciado	-0.83*	-0.83+	-0.85*	-0.89*	-0.84*	-0.84*
Soltero(a)	-0.29	-0.26	-0.33	-0.37	-0.35	-0.35
Viudo(a)	0.59	0.54	0.55	0.47	0.38	0.38
Primaria	0.00	0.00	0.00	0.00	0.00	0.00
Secundaria	0.30	0.35	0.22	0.34	0.32	0.32
Tecnica	-0.02	0.03	-0.10	0.00	0.01	0.01
Profesional	-0.16	-0.16	-0.24	-0.21	-0.24	-0.24
Posgrado	-0.08	0.04	-0.28	-0.47	-0.40	-0.40
Estado de salud	0.33***	0.33***	0.33***	0.32***	0.33***	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				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		Total
	No	Si	
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 a person or two reporting not having access to MIO, and while MIO is ubiquitous through 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 don't 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		Total
	No	Si	
.	0	2	2
Aguablanca	0	4	4
Aguablanca	0	2	2
Aguacatal	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 Napoles	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 Desepaz	1	6	7
Calypso	0	4	4
Calypso	0	2	2
Camino Real - Joaqui..	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 Floralia	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 Paraíso	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 Ri..	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 Barranq..	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
Petecuy Primera Etapa	0	3	3
Petecuy 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
Ulpiano 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 10. 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"



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	
Indigena	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	0.00
Union libre	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	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
edad2		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
Indigena		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
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 restaurantetiempo=1	0.00	0.00	0.00	0.00	0.00	0.00
5 quantiles of restaurantetiempo=2	-0.05	-0.06	-0.05	-0.08	-0.03	-0.04
5 quantiles of restaurantetiempo=4	0.07	0.06	0.05	0.07	0.07	0.07
5 quantiles of restaurantetiempo=5	-0.05	-0.14	-0.10	-0.14	-0.13	-0.09
Edad		-0.02	-0.02	-0.02	-0.02	-0.02
edad2		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
Indigena		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 policia 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	0.00
Mas de 1 SMMLV y menos de 2 SMMLV	0.30*	0.31*	0.27+	0.30*	0.30*	0.30*
Mas de 2 SMMLV y menos de 4 SMMLV	0.36+	0.37+	0.35	0.33	0.34	0.34
Mas de 4 SMMLV y menos de 8 SMMLV	0.58*	0.63*	0.58*	0.45	0.51+	0.51+
Mas de 8 SMMLV	0.65+	0.60	0.63	0.35	0.31	0.31
No tiene ingresos	-0.12	-0.10	-0.15	-0.16	-0.16	-0.16
Blanco	0.00	0.00	0.00	0.00	0.00	0.00
Mestizo	0.02	0.05	-0.01	0.05	0.05	0.05
Indigena	0.15	0.11	0.10	0.14	0.05	0.05
Negro/afro	-0.11	-0.10	-0.11	-0.09	-0.09	-0.09
Otro	0.42	0.40	0.38	0.51	0.43	0.43
Ninguno	0.71**	0.68*	0.70*	0.73**	0.71*	0.71*
Casado(a)	0.00	0.00	0.00	0.00	0.00	0.00
Union libre	0.08	0.07	0.07	0.09	0.08	0.08
Separado/divorciado	-0.59*	-0.63**	-0.62**	-0.58*	-0.67**	-0.67**
Soltero(a)	-0.34*	-0.36*	-0.34*	-0.33*	-0.35*	-0.35*
Viudo(a)	0.12	0.12	0.09	0.16	0.14	0.14
Primaria	0.00	0.00	0.00	0.00	0.00	0.00
Secundaria	0.02	0.02	0.02	-0.01	0.02	0.02
Tecnica	-0.18	-0.16	-0.19	-0.23	-0.20	-0.20
Profesional	-0.12	-0.12	-0.14	-0.24	-0.22	-0.22
Posgrado	-0.24	-0.23	-0.24	-0.44	-0.36	-0.36
Ninguno	1.81***	1.46***	1.50***	1.75***	1.18**	1.18**
Estado de salud	0.24***	0.23***	0.24***	0.22***	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*
edad2		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 libre		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 mtiempo=1	0.00	0.00	0.00	0.00	0.00	0.00
5 quantiles of mtiempo=2	-0.09	-0.13	-0.16	-0.14	-0.11	-0.14
5 quantiles of mtiempo=3	0.17	0.12	0.09	0.13	0.13	0.12
5 quantiles of mtiempo=4	-0.09	-0.07	-0.08	-0.06	-0.07	-0.07
5 quantiles of mtiempo=5	0.25	0.25	0.26	0.27	0.29+	0.34+
Edad		-0.02	-0.01	-0.02	-0.02	-0.02
edad2		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 libre		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 iglesiatiempo=1	0.00	0.00	0.00	0.00	0.00	0.00
5 quantiles of iglesiatiempo=2	-0.07	-0.08	-0.08	-0.08	-0.08	-0.09
5 quantiles of iglesiatiempo=3	-0.30	-0.25	-0.27	-0.26	-0.27	-0.31
5 quantiles of iglesiatiempo=4	0.11	0.07	0.05	0.08	0.04	0.00
5 quantiles of iglesiatiempo=5	0.04	0.04	0.05	0.05	0.04	0.05
Edad		-0.02	-0.02	-0.03	-0.02	-0.02
edad2		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 libre		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	-0.01
edad2		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
Indigena		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 baldios en su barrio			0.17			0.14
Presencia de policia 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 CAltiempo=1	0.00	0.00	0.00	0.00	0.00	0.00
5 quantiles of CAltiempo=2	-0.09	-0.06	-0.04	-0.07	-0.07	-0.06
5 quantiles of CAltiempo=3	0.07	0.28	0.22	0.21	0.35	0.19
5 quantiles of CAltiempo=4	-0.03	-0.00	-0.00	0.00	0.00	-0.00
5 quantiles of CAltiempo=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*
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 libre		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
edad2		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 libre		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
```

satisfaccionvida	Coef.	Robust 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
promedioingresos						
lt 1 SMLV	.1242456	.2218443	0.56	0.576	-.3111587	.55965
1-2 SMLV	.3290293	.1902141	1.73	0.084	-.0442958	.7023543
2-4 SMLV	.5081169	.2738477	1.86	0.064	-.0293523	1.045586
4-8 SMLV	.6368799	.3432415	1.86	0.064	-.0367855	1.310545
gt 8 SMLV	.4901427	.5978279	0.82	0.413	-.6831886	1.663474
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	-1.797949	1.084901
none	.5589964	.3436762	1.63	0.104	-.1155223	1.233515
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
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	-1.006426	.4758089
none	.0474597	.4841196	0.10	0.922	-.9027012	.9976207
satisfaccionsalud	.2682442	.0640453	4.19	0.000	.1425453	.3939432
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	-1.906487	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	-1.567054	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	.6624507	1.55	0.121	-.2731521	2.327175
15	.7053964	.8758623	0.81	0.421	-1.013621	2.424414
16	.7234355	.7349872	0.98	0.325	-.7190926	2.165964
17	-.2384543	.6730162	-0.35	0.723	-1.559354	1.082446
18	.1716081	.6222014	0.28	0.783	-1.04956	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	-1.790079	2.425418
22	.0688162	.8423461	0.08	0.935	-1.58442	1.722053
23	.2103123	.6071843	0.35	0.729	-.9813823	1.402007
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	3.67548
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 - Joa..	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
Chipichape	1.77912	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 Florialia	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	.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 Guabal	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 Paraíso	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	-1.881077	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	-1.335452	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

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 Eliecer 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	-1.435769	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 Chorrores	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	6.111997
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	2.172637	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
Potrero 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	1.264469	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

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	.55783	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
Ulpiano 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	-1.861443	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
Villanueva	4.376877	2.088689	2.10	0.036	.2774973	8.476257
Vipasa	1.80958	1.503793	1.20	0.229	-1.14185	4.761011
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