The Urban-Rural Happiness Gradient Across Countries: City Unhappiness is Common (Despite What Economists Say)

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This study shows, for the first time, that city unhappiness is common across the World. In no developed country, people are happier in larger places than in smaller places. Without exception, in no developed country city is happier than smaller areas. The finsing is important because there are economists manipulating data through cherry-picking (e.g., Glaeser 2011b, Glaeser et al. 2016, Burger et al. 2020) and claimig the opposite, that urban areas are happier. Such manipulation is argualby for ideological reasons. The axioms of economics are that the greater production, productivity, income, and consumption, the better. Urban areas produce most, and most income and consumption take place there. Economics' concept of utility is directly linked to consumption: the more consumption, the more utility. While utility cannot be measured, economists appear to try to show that happiness is greatest where economics axioms point to, in cities. Sociological, psychological, and neurological evidence is ignored. Present study is correlational, not experimental, and causality cannot be claimed.

We know that in many countries there is a so called "urban-rural happiness" gradient Berry and Okulicz-Kozaryn (2011), where happiness raises from lowest in largest cities to highest in smallest places. The gradient is non-linear, the very largest cities are markedly less happy than all other areas in a country: New York City (Okulicz-Kozaryn and Mazelis 2016, Senior 2006), London (Office for National Statistics 2011, Chatterji 2013) Helsinki (Morrison 2015), Bucharest (Lenzi and Perucca 2016), Sydney (cited in Morrison 2011). The goal of this paper is to test gradient across countries using one dataset with uniform variables. This study shows, for the first time, that city unhappiness is common across the World ¹

Intersection of Quality Of Life (QOL) or Subjective Wellbeing (SWB)² and Urban Studies is an exciting area. Academics, policy-makers, administratos, and common people start to pay more attention to QOL/SWB, not just monetary measures such as GDP. We finally begin to realize, even some economists do (Stiglitz et al. 2009), that money is not everything and it is high time to look at human flourishing: QOL and SWB. But some economists manipulate data through cherry-picking (Glaeser 2011b, Glaeser et al. 2016, Burger et al. 2020) and try to claim the opposite, that cities are happier—the present study provides yet more evidence that economists' thesis of city happiness is false.

The world is experiencing massive urbanization—urbanization is arguably the most dramatic change to our way of life Wirth (1938), Hanson (2015), and what arguably matters most is human QOL/SWB. Hence, the question, how cities affect human condition?

Modern research on the effect of cities on human wellbeing should be founded on extensive classic urban sociological research (Tönnies [1887] 2002, Wirth 1938, Simmel 1903, Park 1915, Park et al. [1925] 1984), which argued negative effect of cities on humans. Quantitative research on the urban-rural happiness gradient dates back to (Gurin et al. 1960, Campbell et al. 1976), who also found negative effect of urbanicity on humans. And over past several decades, several dozen studies mostly found negative effect of urbanicity on human wellbeing as well [blind for peer-review].

Yet most research in the area is about the US, Western Europe, and recently China and handful of other countries. Most studies are conducted in a single country. Hence, we offer the present study using a uniform dataset across countries.

First, we briefly define SWB and mechanisms that are likely to link size of a place to SWB.

¹Most extant research about the urban-rural happiness gradient is about the US, Western Europe, recently China, and handful of other countries. Again, there were studies conducted in single countries, but not using a uniform dataset across countries. The three apparent exceptions (Berry and Okulicz-Kozaryn 2009, Burger et al. 2020, Easterlin et al. 2010a) are not exceptions. No study studies the gradient, all use binary urban-rural operationalizations and present simple mean differences for each country and aggregate results to groups of countries in regressions as elaborated later. Last but not least, Gallup data used by Burger et al. (2020) and Easterlin et al. (2010a) are highly problematic as elaborated later.

²The two, SWB and QOL overlap, but there are important differences, notably QOL is more of an index/aggregate of domains and more subjective, while SWB is subjective mostly evaluation of one's life as a whole–for discussion see Okulicz-Kozaryn and Valente (2019).

1 SWB

Subjective Wellbeing (SWB) is an umbrella term for various subjective measures of wellbeing, notably positive and negative affects, happiness, and life satisfaction. Most of the SWB research, including this study, uses life satisfaction measure, which is a global self evaluation of one's life as a whole. This measure is mostly cognitive and not affective—respondent evaluates her life as whole globally (everything, including profesional, personal, family, community, etc). The measure captures everything that is going on in one's life—that's a major advantage of SWB measure over other social and economic indicators aiming at measuring human condition, progress, and development. SWB measure is simply the most comprehensive measure possible dwarfing earlier measures such as income, education, or life expectancy. For review see Diener (2009).

Following usual practice, for simplicity, we use these terms interchangeably: SWB, happiness, and life satisfaction, but specifically we mostly mean life satisfaction as defined above.

SWB measure is also at least adequately reliable and valid and considered good enough for public policy making and public administration (Diener 2009, Stiglitz et al. 2009). And it has been used multiple times in urban research (e.g., Moeinaddini et al. 2020, Mouratidis 2019, Wang et al. 2019, and 2017, Ma et al. 2017, Wkeziak-Bialowolska 2016, Valente and Berry 2016, Chen et al. 2015).

There are cross-cultural comparability caveats, however, and SWB may not be adequately comparable across countries (Kahneman et al. 1999, Diener 2009). This limitation should be kept in mind when comparing results across countries in the present study. And more focus should be on within-country differences, and this is what this study is mostly about—the difference between smaller and larger places in terms of SWB within countries. We treat each country separately and do not pull the data together. In short, one should focus on within-country differences across urbanicity and exercise caution when comparing effects across countries.

2 Urban Definition, Theory, and Potential Causal Mechanism/Pathway

This is an observtional study, not an experiment, and we don't test causality here, nevertheless it is importat to discuss the potential mechanisms.

It is useful to start with the theory that would define urbanicity and predict how urbanness would affect SWB. We start with classic urban sociological theory of urban malaise (Tönnies [1887] 2002, Wirth 1938, Simmel 1903, Park 1915, Park et al. [1925] 1984): cities produce superficiality, transitoriness, withdrawal, impersonality, superficiality, deviance, shallowness, anomie, alienation, and cognitive overload.³ Sociological theory is not clear at which point urban malaise arises, there is clearly no hard cutoff point, rather, the more urban, the more malaise. There may be a certain threshold though, at which malaise intensifies as hinted at by Fischer (1973): in the largest cities. In the classical urban sociology city is defined by large population size, density, and heterogeneity (Wirth 1938). To sum up, urbanicity has mostly negative effect on humans, and it is rather a continuum than binary, although a threshold at a population of several hundred thousand may exist where malaise intesifies.

Another indication of coninuity in effect of size of a place on human condition comes from physics. There is physical city constatnt of 1.15: double area's population size and many phenomena (crime, gdp, income, patents) increase by 15% (Bliss 2014, Bettencourt et al. 2010, Bettencourt and West 2010, Bettencourt et al. 2007).

We would like to especilly highlight biological/evoutionary mechanism. For over 95% of our evolutionary history⁴ we have lived outside of the cities as hunter-gatherers usually in small bands of 50-80 people (Maryanski and Turner 1992). It only started to slowly change in about 10,000 BC with domestication of animals and agriculture. The first large cities (larger than several hundred thousand) only started to emerge after 500 BC and there were just handful of them. It wasn't really until after industrialization that large cities started to house noticeable proportion of the population, and only 20th century saw urbanization explosion—in 1800 a mere 1.7% of the world population lived in cities larger than 100k, it slowly increased to 2.3% in 1850, by another 50 years doubled to 5.5% in 1900, and then it doubled again to 13% in 1950 (Davis 1955).

The larger the place, the more the environemnt differs from the habitat in which we have evolved: dense and crowded,⁵ airport, subwyay or rapid transit, tall buildings in downtowm, etc. And again, while clearly urbanness is a continuum, there is likely a threshold, around several hundred thousand people, when the buildt environment changes significantly. The are at least several significantly different stages of urbanness on the urbanness continuum. There is wilderness, open country, villages, small towns, large towns, cities, large cities, and very large cities. Surely, it is difficult to capture urbanness in its entiterty–most dataset only allow few stages, including

³Classics argued poor social ties in cities, but see later arguemnts by Fischer and his subcultural theory (Fischer 1995, 1975, 1972).

⁴Per human species evolutionary history, for instance, see encyclopedia Britannica http://www.britannica.com/EBchecked/topic/277071/hunting-and-gathering-culture. For post-medieval history see White and White (1977).

⁵There are striking examples of crowding in largest cities. To be sure, majority of urban population does not live in such extreme crowding, the trend however is in that direction as cities are becoming larger and less affordable. And, again, even eithout extreme crowding, usual population density is related to crime (Bettencourt and West 2010). There is also evidence that density relates to negative consequences: interestingly there is evidence that density impacts pathology more than crowding (Levy and Herzog 1974). Yet, it is not only density and crowding, other factors such as social support matter as well (Cassel 2017). Some studies didn't find negative effects of density or crowding and results were mixed (Collette and Webb 1976). While it seems to be reasonable to assume that density and crowding are positivelty related, some studies do not find this to be the case (Webb 1975, Rodgers 1982). Crowding probably has become more common in recent years as cities are becoming less affordable. Misra (2015), Florida and Schneider (2018), Weinberg (2011), Solari (2019), Schuetz (2019), Kotkin (2013)

For a nice discussion and overview of density, crowding and human behavior see Boots (1979), Choldin (1978).

the data used here. But the point is that treating urbanness as an urban-rural dichotomy (Glaeser 2011b, Burger et al. 2020) is an oversimplification without much theory to support it.

The biological/evolutionary perspective can be complemented by recent neurological evidence. Urban living is unhealthy to human brain (Lederbogen et al. 2011) and urban living contributes to the development of psychosis (Abrahamyan Empson et al. 2020).

3 The Problem With Economics

There are economists serious about studying happiness, Richard Easterlin and Andrew Oswald among them. But sometimes, economists' interest in happiness is more of a hindrance than help.

Economics is a discipline crippled by its "axioms" (the self evident truths) or "laws." No other social science boasts laws or axioms for a good reason—they do not exist in social world, and so they should not appear in social science. See Feynman (1981) for elaboration.

The bizzare economic axioms that have little to do with reality (Davies 2018), do arguably bias many economic investigations—many economists appear to try hard to force the data to support their axioms, intentionally or unintentionally, but at the end, misleading and flawed research is produced. To economists, by definition (it's the law or the axiom), the more money (income or consumption), the greater the utilty (e.g., Autor 2010):

$$money = utility \approx happiness$$
 (1)

Since utility cannot be measured, it appears then that economists who try to study happiness, think of it as utility, and follow their axiom in their happiness investigations.

For instance, Easterlin (2015, 2010b) (and many others) found that over time in the long run at country level income is unrelated to happiess: this is the so called Easterlin Paradox. It clearly runs against the sacred economic axiom, and so two economists Stevenson and Wolfers (2013) in the flagship journal of the American Economic Association, the American Economic Review, challenge Easterlin Paradox and present "evidence" to the conrary. Except, that they don't, they study something different—use data at household level or across countries at one point in time and log tranform the data.

Again, we know that cities tend to be less happy than smaller areas. But economists try to argue to the contrary. Why? Again, arguably due to their axioms: money is centered in cities⁶, and so by economic axioms, cities have greater utility, and so they must be happier.

Unfortunately, economists manipulate the sample, or cherry-pick the cases, in order to argue their point. Glaeser (2011b) cherry picked only poor countries for his urbanicity-happiness analysis, and then tries to argue that the relationship holds in general. Glaeser's trick is to say that he finds positive relationship and that the effect is "driven primarily by poorer countries"—which leaves impression as if overall relationship is positive for all countries and stronger for poorer countries. But almost the opposite is true: for most countries the relationship is negative and it is only positive in few cases, typically the the very poorest countries. Glaeser et al. (2016) is an analysis across US counties, where he cherry picks again: retains cities only and drops all other areas.

Then comes (Burger et al. 2020), who appears to piggy back on Glaeser: "In line with earlier research, we found that urban populations are, on average, happier than rural populations in that they return higher levels of happiness."—like Glaeser, Burger et al. (2020) builds his case by focusing on exceptional outliers, mostly poor African countries.

To summarize, many economists appear to be misguided by their unrealistic axioms, and some end up producing misleading and flawed research, notably: Stevenson and Wolfers (2013), Glaeser (2011b), Glaeser et al. (2016), and Burger et al. (2020).

Curiously, some economists who do happiness research are sceptical about it at the same time, and do not consider happiness worthy investigation (e.g., Deaton 2013, Glaeser et al. 2014, 2016). Economists in general tend to consider other social sciences as inferior (Economist 2016, 2014, Naim 2016, Fourcade et al. 2015).

4 What We Know So Far: The Literature

Most research on the urbanness-happiness relationship points to the urban-rural happiness gradient, where happiness raises from its lowest level in largest cities to the highest level in smallest rural areas (e.g., Campbell et al. 1976, Berry and Okulicz-Kozaryn 2011, Office for National Statistics 2011, Morrison 2011, Okulicz-Kozaryn and Mazelis 2016, Senior 2006, Chatterji 2013, Morrison 2015, Lenzi and Perucca 2016, Okulicz-Kozaryn and Valente 2020). [blind for peer review]

Yet, most research has been conducted in the US or Western Europe, and there are only three cross-country investigations using common dataset: Berry and Okulicz-Kozaryn (2009), Easterlin et al. (2010a), Burger et al. (2020).

Easterlin et al. (2010a) focuses on effect of economic growth by urban-rural and only a small part of the study is about urban-rural differences in SWB, and their results are much like Berry and Okulicz-Kozaryn (2009), who find that in developed countries people are less happy in cities.

⁶Production, productivity, income, and consumption inccrease with population size Glaeser (2011a, 2007), Glaeser et al. (2001), Rosenthal and Strange (2002, 2003, 2008).

All three studies so far are limited. The present study is the first one to study the urban-rural happiness gradient across countries. First, there is no gradient in none of the above studies—they all use binary (or three category) operationalizations, urban v rural. They also mostly present simple mean differences for each country and aggregate results to groups of countries in regressions. They fail to control for necessary predictors of SWB. In addition, there are critically serious problems with Gallup data used by Easterlin et al. (2010a), Burger et al. (2020).

Easterlin et al. (2010a) is a serious academic peer-reviewed research, and does acknowledge Gallup's limitations and attempts to address them. Burger et al. (2020), on the other hand, appears to be a mere for-profit/consulting advertisment for Gallup. As Davies (2015) put it, it's not happiness research, it's "happiness industry."

There are multiple problems with Gallup data. First, it is not meant for research but for commerce–Gallup charges \$30,000 for access (per one year!). Second, urbanicity classification is twofold less precise than in WVS: 4 v 8 categories. Third, while WVS uses precise population size numeric cutoffs, Gallup uses fuzzy concepts such as "rural area", "small town or village", "large city". Fourth, (and this compunds third problem) Gallup uses self-reports of urbanicity, which is highly subjective and problemtaic in this case–many, if not most people, would likely classify themseves completely arbitarily into "rural area" v "village" and so forth. WVS uses interviewer's information about the place. Fifth, apperntly much of data are missing–Easterlin et al. (2010a) notes that in 14 countries "rural area" responses were exceptionally low. Also, about half of the world population is urban, but Burger et al. (2020) reports that in their dataset only about quarter of respondents report rural residence.

Urbanness or urbanicity is a degree, not dichotomy. Srikingly, Burger et al. (2020) say that there is a uniform way to measure urbanicity, which is a mere 3 categries: 1) Cities, 2) Towns and semi-dense areas and 3) Rural areas; but they dont even use that in the body of the paper and stick with dichotomy.

5 Data And Model

We use www.worldvaluessurvey.org, which is representative of about 90% of the world population,⁸ and as elaborated in previous section, is much better suited for the study than an inadequate and poorly designed Gallup data. The variables are listed in table 1. Country codes and descriptive statistics are in SOM (Supplementary Online Material).

SWB question reads "All things considered, how satisfied are you with your life as a whole these days? Using this card on which 1 means you are "completely dissatisfied" and 10 means you are "completely satisfied" where would you put your satisfaction with your life as a whole?"

Urbanicity is operationalized with WVS variable X049—note that it is objective and recorded by reviewer, not respondent. There are eight categories ranging from '<2k' to '>500k.' This is important advantage, because as elaborated earlier, urbanicity or urbanness is a continuum, not a binary urban v rural. We conduct the analysis using a set of dummy variables for all eight categories (leaving out the base case) in the SOM. However, for simplicity and ease of expesition we present simplified results in the body of the paper using three categories only. In other words, this study will use 8 categories of urbanicity, and summarize results for ease of presetation with 3 categories.

Because in many countries, there are either no observations or few observations in the first two bottom categories -2k and 2-5k, we combine them together for the analyses in the main body of the paper. These two categories together proxy free of city natural environment most closely resembling human natural habitat where we have evolved, and it includes: wilderness, open country, and small villages. The other critical category that must be measured based on earlier review of theory is large cities, again, there is likely to be a threshold at several hundred thousand, hence we use the top category on WVS variable X049 '>500k' to proxy large cities. Such places, are the least resembling of human natural habitat and are mostly consisting of man made objects such as asphlat, concrete, glass, etc, and as per theory as reviewed earlier, are likely to be least happy. The third category in our main analyses are places in between, 5-500k. The cutoffs for the two extremes are important and must be driven by the theory, it cannot be, say, everything upto 20k (100k, etc) v more than 20k (100k, etc) as in some other research. A place never changes abruptly from rural to urban at some cutoff, it is a continuum, it can be simplified to carefully chosen extreme categories, but one must always start with the continuum. And because this aggregation or simplification into 3 categories is still somewhat arbitrary, we present alternative specifictions in SOM in addition to the full 8-step urbanness gradient.

Table 1 lists control variables used in the body of the paper.

⁷Gallup charges \$30,000 per year for use of these happiness data (author's email inquiry)–private corporations are making fortune from tax dollars and students tuition–scholars should resist corporatization of academia (Mills 2012a, Cox 2013, Mills 2012b, Catropa and Andrews 2020, SCHMIDLIN 2015), and corporatization of happiness research (Davies 2015).

⁸While WVS is conducted in about 100 countries that represent about 90% of the world population, due to missing data for the particular variables of interest, the present's study coverage is slightly smaller, about 70 countries (depending on the model and specification).

Table 1: Variable definitions.

name	description
happiness	"All things considered, how satisfied are you with your life as a whole these days?" 1="dis-
	satisfied" to 10="satisfied"; WVS
place size	"OBSERVATIONS BY THE INTERVIEWER; Code size of town where interview was con-
	ducted"
Year survey	year of survey
age	age
age2	age squared
male	male .
married or living together as	married or living together as married
married	
divorced/separated/widowed	divorced/separated/widowed
education	"Highest educational level attained"
income	"Scale of incomes"
class	"Social class (subjective)"
health	"State of health (subjective)"
postmaterialist	"Post materialist index "
god important	"How important is God in your life? Please use this scale to indicate- 10 means very important and 1 means not at all important."
religion important	"WVS2000: For each of the following aspects, indicate how important it is in your life.
	Would you say it is: EVS1999: Please say, for each of the following, how important it is in
	your life. Religion"
autonomy	"Autonomy index"
freedom	"Some people feel they have completely free choice and control over their lives, while other
necaom	people feel that what they do has no real effect on what happens to them. Please use this
	scale where 1 means 'none at all' and 10 means 'a great deal' to indicate how much freedom
	<u> </u>
turat.	of choice and control you feel you have over the way your life turns out."
trust	"Most people can be trusted"

In choice of controls we generally follow (Okulicz-Kozaryn and Valente 2020). There are specific controls worth discussing. Young, single and childless persons and young men with tertiary education are relatively more satisfied with urban areas as place of residence (Carlsen and Leknes 2019). Income, class, and education are important controls—not only predict greater SWB, but are also confounded and higher in cities.⁹

One great advantage of city living that is often forgotten is freedom "City air makes men free (Stadt Luft macht frei)" Park et al. ([1925] 1984, p. 12)¹⁰, hence we control for freedom.

Likewise, trust is important, it predicts SWB, and it is lower in cities (Milgram 1970).

Health is a key predictor of SWB, and also note that subjective health measure used here is a reasonable measure of actual health (Subramanian et al. 2009).

We use a standard OLS regression with robust standard errors. We treat the 10-step happiness variable as continuous. Ordinal happiness can be treated as a continuous variable (Ferrer-i-Carbonell and Frijters 2004). 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).

6 Results

There is a considerable tradeoff in this study between ease of presentation and elaboration as there are dozens of countries and presenting different specifications would result in unwieldy presentation—additional specification are in SOM. Here we just present one model that is full including all necessary and some additional controls (yet not over staurated where too many variables result in too many missing obs)—we use here model with controls listed in table 1 also the mdel presented here uses just 3 categores, -5 (base), 5-500, and 500-. Results are set in table 39. We are interested in comparison between -5 v 500- because this is aaccording to theory: evolution/ingroup v most unnatural (as this data allows).

⁹where i dicuss controls in data and to literature where i slam burger and indeed as shown later comparing unadjusted means results in cities being happier notably due to confounding of higher income education and class–see appendix for tables with and wohou controls

¹⁰It originated in the Middle Ages, and it meant freedom from feudalism, non-feudal islands in a sea of feudalism (Harvey 2012).

	5-500k	500k-	N
ALB	-0.4*	0.4+	1,582
ARG	-0.2	-0.0	855
AUS	-0.0	-0.1	3,728
AZE	-0.1	0.3	964
BFA	0.3	0.0	567
BGD	0.0	0.7*	2,104
BGR	-0.0	-0.5*	1,229
BLR	-0.1	-0.1	2,815
BRA	-0.2	-0.4*	3,576
CAN	-0.1+	-0.3*	3,177
CHL	-0.7*	-0.7*	3,527
CHN	0.0	-0.4*	2,005
COL	0.0	-0.1	1,376
DEU	-0.1	0.0	4,795
DZA	-0.4*	-0.6	1,596
ECU	-0.9*	-0.7*	1,182
EGY	-0.4* -0.1	-1.1*	3,428
ESP ETH	-0.1 0.3	-0.1 0.4	1,487 1,017
GEO	0.3	0.4	2,401
GHA	0.3*	-0.0	2,572
HUN	0.0	-0.4*	887
IDN	0.0	-0.4	2.056
IND	-0.0	0.3*	5,857
IRN	-0.3*	-0.0	2,119
IRQ	-0.1	-0.0	1,123
ITA	-0.1	0.2	585
JOR	0.1	-0.2	2,089
KAZ	-0.0	-0.3*	1,497
KGZ	-0.1	-0.3*	2,293
LBN	0.1	0.2	731
LTU	0.3	0.3	750
LVA	-0.1	-0.6*	963
MAR	0.0	-0.2	845
MDA	0.2*	0.2	2,478
MEX	-0.1	-0.2+	3,544
MKD	-0.2	-0.1	1,385
MYS NGA	0.1 -0.1	-0.4* -0.1	1,541 4,488
NZL	-0.1 -0.1	-0.1	4,400
PAK	-0.1 0.4+	0.3	900
PER	0.3*	-0.5	1,026
PHL	0.4	0.5	2,294
POL	-0.1	-0.1	1,533
ROU	-0.2*	0.3*	3,568
RUS	0.2*	0.2*	3,253
RWA	-0.7*	-0.4+	2,398
SRB	0.1	-0.4*	2,539
SVN	0.2+	-0.2	1,620
SWE	0.2	0.2	1,769
THA	0.1	0.1	2,178
TUN	0.1		826
UKR	0.0	-0.1	2,985
URY	0.2	0.1	2,017
USA	-0.1	-0.2*	3,372
UZB	0.0	-0.3*	1,247
VEN	-1.7*	-1.2*	1,034
VNM	0.1	-1.5*	2,039
ZAF	0.2*	0.0	5,330
ZWE	0.1	0.2	1,487
* p<0.05,			
+ p $<$ 0.1; robust std			
robust std err			
err			

Table 2: OLS regressions of SWB on place size for each country separately including year dummies (not shown).

Results in table 39 show that out of countries with significant happiness differences across urbanicity, in 80% of countries, people are less happy in cities than in smaller areas. The only exceptions are East European Post Soviet ALB, ROU, RUS, and South-Asian BGD and IND. Notably, these are all poor or developing countries. In no developed country, people are happier in larger places than in smaller places Without exception, in no developed country city is happier than smaller areas. The conclusion is that in all develped countries studied here, AUS, CAN, DEU, ESP, ITA, NLD, INZL, SWE, USA, largest areas are less happy than smaller areas 12.

The urban-rural gradient is greatest in EGY, VEN,¹³ and VNM have effect sizes larger than one, while effect sizes for most other places are small to moderate around .3-.5 (on 1-10 SWB scale). Yet, as indicated earlier, because of the limited cross-cultural comparability of SWB measure, when interpreting results, the focus should be on within country SWB differences across urbanicity, and not on comparing cross-country effect sizes.

It is worth noting that in first column, also majority of the results are negative with only 5 countries positive: GHA, MDA, PER, RUS, and ZAF-again, what is remarkable that none of these countries is a developed country.

¹¹results only in appendix for NLD

¹²At least in less elaborate specifications shown in appendix, but even in most elaborate specifications, even if coefficient on larger places is insignificant, it is still negative.

¹³Note: result for VEN should be interpreted with caution this is the main difference with table ?? and probably has to do with the fact that there are only 60 obs on the base case category. Other results are similar between the two tables.

7 Conclusion And Discussion

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Throughout most of our evolutionary history, humans have lived in small homogenous groups with low density. As hunters gatherers humans lived in small bands of 50 to 80 people, later on in simple horticultural society in groups of 100 to 150 people, and in more advanced society these groups reached five to six thousand people (Maryanski and Turner 1992). Hence, unlike other species like ants and bees, ¹⁴ living in heterogenous, dense, and large settlements (city living) is simply unnatural to human beings.

it is not city probelms but city itsef-my paper with jonie the mechanism is important how and why would urbnnnes affect human wellbeing?

; while again we would like to have more gradation at the top of the distruibution, but 500k is a reasonable and adequate cutoff to disinguish a large city from other places. there are no other data better suited for this purpose and we do best we can. And results are conservative—had we have cutoff at 750k or 1m they'd be stronger MY BOOK AND CITIES WHEN CITY IS TOOO BIG.

In vast majority of countries effect in ngeative, only positive in these: East European Post Soviet ALB, ROU, RUS, and South-Asian BGD and IND. russia, moldova and albania are all post soviet countries, they are likely to still be very centralized where power opportunity and resources are located in large cities; india and bangladesh are clearly an outlier here and we dont have a good explanation [no cite now!!!blind for peer review] extremes and think about why-but we do not have explanation for those. but d speculate—eg post sopviet centralized from communist times and hence larg cities still do have most of the benefits of the central place as per central place theory eg

limitations: Have in paper caveat about cross cultural comparability, see shourjya paper lol

Many countries where no difference—this is still striking and worth reporting and city triumph—one would think cities are the best places to live, people flock there in doves Show graph from UN, and the common narrative is that city is the place to be, and so one would think people are happier there. So finding of no difference is already surprising.

Do visualize results, say a even a small country of 10m and even a miniscule effect of .1 on scale from 1-10 that translates to an effect equivalent to making 100k people from most miserable to most happy on SWB scale 1-10 if everyone lived in smallest v largest. Small or moderate effect sizes translate into large effects because of the sheets size of urbanization in billions of people.

that graph from inglehart, in developing countries, and as per maslow pyramid, at first one need to focus on necessities such as survival and cities do help; it is remarkable that in all developed countries studied here, cities are less happy!

Why in developed world people are less happy in large cities, but in many developing countries they are happier? There are at least two reasons. In many developing countries life is simply unberable outside of the city lacking necessities such as shelter, foot, water, sanitation, and healthcare. In developed countries, even smallest places have reasonable access to necessities, and they do not suffer from urban disamenities. Also, it may be so that the grass is always greener on the other side—people idealize what is missing or what is rare.

An alarming trend in higher education, and in research in general is corporatization of higher education and research (Mills 2012a, Cox 2013, Mills 2012b, Catropa and Andrews 2020, SCHMIDLIN 2015). This includes happiness research (Davies 2015). "World Happiness Report" (Helliwell et al. 2020) and its chapter about urban-rural gap in happiness (Burger et al. 2020) uses data from a private corporation. Indeed, the report, and its presentation (e.g., that new zealand happiness conference) is largely an advertisement for Gallup. Gallup then sells the happiness data at \$30,000 (per year!)¹⁵—arguably this is not meant for research (most researchers cannot afford it). The goal here appears not to produce knowledge, but to make money—after all the sole responsibility of a business is profit (Friedman 1970).

8 Takaayway for Practice

Humans are worse off in cities (in terms of happiness). But not always what makes us happy is the right thing to do COMPASS PLEASURE ARISTOTLE. Notably, climate change is more important than human happiness, and cities are most environmentally frindly type of settlemt (MEYER). and there are some limited things that can be done to make cities less miserable—we know what makes city happy BALLAS.

perhaps the cleaest takeaway for practice is that we suffer from overpopulation. again, we only need cities because of overpopulation and climate change (Pachauri et al. 2014), not because of production or productivity or consumption premium of cities. In fact, we have too much consumption and we need less consumption Dittmar et al. (2014), Kasser (2003), Leonard (2010). In fact we arguably also need less production and less economic growth Kallis et al. (2012), Kallis (2011), Van den Bergh (2011). While again cities are most environmentally friendly way to squezze human overpopulation (MEYER) to deal better with climate change, cities directly cause climate change by being centers of production and consumption that drives climate change.

but we would need cities less if we had fewer people-contraception, sterilization etc; once there are fewer people, then we can have a meaningful discussion about right city size-cp from book; it is remarkable that there is no discussion about it! how could we have

¹⁴Human nature is unlike that of bees: by one estimate we're 90% chimp and only 10% bee (Haidt 2012).

¹⁵Author's inquiry with Gallup to use their data.

gone so wrong to think that the bigger the better and that there is no limit-cities are balooning-tokyo has about 40m people, and there are many 20m cities; The greatest and largest cities of antiquity, the Ancient athens were 140k and rome was 450k.

References

- (2017): "Built environment and social well-being: How does urban form affect social life and personal relationships?" Cities.
- ABRAHAMYAN EMPSON, L., P. S. BAUMANN, O. SÖDERSTRÖM, Z. CODELUPPI, D. SÖDERSTRÖM, AND P. CONUS (2020): "Urbanicity: The need for new avenues to explore the link between urban living and psychosis," *Early intervention in psychiatry*, 14, 398–409.
- AUTOR, D. (2010): "Lecture 3: Axioms of Consumer Preference and the Theory of Choice," MIT Open Course Ware.
- BERRY, B. J. AND A. OKULICZ-KOZARYN (2011): "An Urban-Rural Happiness Gradient," Urban Geography, 32, 871-883.
- BERRY, B. J. L. AND A. OKULICZ-KOZARYN (2009): "Dissatisfaction with City Life: A New Look at Some Old Questions," *Cities*, 26, 117–124.
- BETTENCOURT, L. AND G. WEST (2010): "A unified theory of urban living," Nature, 467, 912-913.
- BETTENCOURT, L. M., J. LOBO, D. HELBING, C. KÜHNERT, AND G. B. WEST (2007): "Growth, innovation, scaling, and the pace of life in cities," *Proceedings of the National Academy of Sciences*, 104, 7301–7306.
- BETTENCOURT, L. M., J. LOBO, D. STRUMSKY, AND G. B. WEST (2010): "Urban scaling and its deviations: Revealing the structure of wealth, innovation and crime across cities," *PloS one*, 5, e13541.
- BLANCHFLOWER, D. G. AND A. J. OSWALD (2011): "International happiness: A new view on the measure of performance," *The Academy of Management Perspectives*, 25, 6–22.
- BLISS, L. (2014): "Moving Toward an Evolutionary Theory of Cities," .
- BOOTS, B. (1979): "Population density, crowding and human behaviour," Progress in Geography, 3, 13-63.
- BURGER, M. J., P. S. MORRISON, M. HENDRIKS, AND M. M. HOOGERBRUGGE (2020): "Urban-Rural Happiness Differentials across the World," *World Happiness Report*.
- CAMPBELL, A., P. E. CONVERSE, AND W. L. RODGERS (1976): The quality of American life: perceptions, evaluations, and satisfactions, Russell Sage Foundation, New York NY.
- CARLSEN, F. AND S. LEKNES (2019): "The paradox of the unhappy, growing city: reconciling evidence?" Unpublished.
- CASSEL, J. (2017): "Health consequences of population density and crowding," in People and buildings, Routledge, 249-270.
- CATROPA, D. AND M. ANDREWS (2020): "Bemoaning the Corporatization of Higher Education," insidehighered.com.
- CHATTERJI, A. (2013): "London is the Unhappiest Place to Live in Britain," *International Business Times*.
- CHEN, J., D. S. DAVIS, K. WU, AND H. DAI (2015): "Life satisfaction in urbanizing China: The effect of city size and pathways to urban residency," *Cities*, 49, 88–97.
- CHOLDIN, H. M. (1978): "Urban density and pathology," Annual Review of Sociology, 4, 91–113.
- COLLETTE, J. AND S. D. WEBB (1976): "Urban density, household crowding and stress reactions," *The Australian and New Zealand Journal of Sociology*, 12, 184–191.
- Cox, R. W. (2013): "The corporatization of higher education," Class, race and corporate power, 1, 8.
- DAVIES, W. (2015): The Happiness Industry: How the Government and Big Business Sold us Well-Being, Verso Books.
- ——— (2018): Economic Science Fictions, MIT Press.
- DAVIS, K. (1955): "The origin and growth of urbanization in the world," American Journal of Sociology, 429–437.
- DEATON, A. (2013): "Subjective Well-Being and Policy: Interview With Angus Deaton, Princeton University," YouTube, https://www.youtube.com/watch?v=tz3D-36RuLo.

- DIENER, E. (2009): Well-being for public policy, Oxford University Press, New York NY.
- DITTMAR, H., R. BOND, M. HURST, AND T. KASSER (2014): "The relationship between materialism and personal well-being: A meta-analysis." *Journal of personality and social psychology*, 107, 879.
- Easterlin, R. (2015): "Keynote," 2015 ISQOLS.
- EASTERLIN, R. A., L. ANGELESCU, AND J. ZWEIG (2010a): "The Impact of Modern Economic Growth On Urban-Rural Differences in Subjective Well-Being," WEAI Conference, Portland, OR, June 29 July 3.
- EASTERLIN, R. A., L. A. MCVEY, M. SWITEK, O. SAWANGFA, AND J. S. ZWEIG (2010b): "The happiness-income paradox revisited," *Proceedings of the National Academy of Sciences*, 107, 22463–22468.
- ECONOMIST (2014): "The status of economists. The power of self-belief," The Economist.
- ECONOMIST, T. (2016): "Dispassionate analysis? America's economists are almost as divided as its politicians." The Economist.
- FERRER-I-CARBONELL, A. AND P. FRIJTERS (2004): "How Important is Methodology for the Estimates of the Determinants of Happiness?" *Economic Journal*, 114, 641–659.
- FEYNMAN, R. (1981): "Richard Feynman on Pseudoscience and Uncertainty," *The BBC Horizon The Pleasure of Finding Things Out Video Interview*.
- FISCHER, C. S. (1972): "Urbanism as a Way of Life (A Review and an Agenda)," Sociological Methods and Research, 1, 187–242.
- ——— (1973): "Urban malaise," Social Forces, 52, 221–235.
- ——— (1975): "Toward a subcultural theory of urbanism," American Journal of Sociology, 80, 1319–1341.
- ——— (1995): "The subcultural theory of urbanism: A twentieth-year assessment," American Journal of Sociology, 543-577.
- FLORIDA, R. AND B. SCHNEIDER (2018): "The Global Housing Crisis. Scarce, unaffordable housing is not a local problem in a few places, but is baked into the 21st-century global city. It's time for cities, nations, and global leaders to start acting like it." *City Lab.*
- FOURCADE, M., E. OLLION, AND Y. ALGAN (2015): "The superiority of economists," *Revista de Economía Institucional*, 17, 13–43.
- FRIEDMAN, M. (1970): "The social responsibility of business is to increase its profits," The New York Times Magazine.
- GLAESER, E. (2011a): "Cities, productivity, and quality of life," Science, 333, 592-594.
- ——— (2011b): Triumph of the City: How Our Greatest Invention Makes Us Richer, Smarter, Greener, Healthier, and Happier, Penguin Press, New York NY.
- GLAESER, E., J. GOTTLIEB, AND O. ZIV (2014): "Maximising happiness does not maximise welfare," Vox.
- GLAESER, E. L. (2007): "The economics approach to cities," Tech. rep., Harvard.
- GLAESER, E. L., J. D. GOTTLIEB, AND O. ZIV (2016): "Unhappy Cities," Journal of Labor Economics, 34, S129-S182.
- GLAESER, E. L., J. KOLKO, AND A. SAIZ (2001): "Consumer city," Journal of economic geography, 1, 27-50.
- GURIN, G., J. VEROFF, AND S. FELD (1960): Americans view their mental health: A nationwide interview survey., Basic Books, New York NY.
- HAIDT, J. (2012): The righteous mind: Why good people are divided by politics and religion, Vintage.
- HANSON, V. D. (2015): "The Oldest Divide. With roots dating back to our Founding, America's urban-rural split is wider than ever." *City Journal*, Autumn 2015.
- HARVEY, D. (2012): Rebel cities: From the right to the city to the urban revolution, Verso Books.
- HELLIWELL, J., R. LAYARD, J. SACHS, AND J. DE NEVE (2020): "World happiness report 2020," New York: Sustainable Development Solutions Network. Saatavilla https://happiness-report. s3. amazonaws. com/2020/WHR20. pdf.
- Kahneman, D., E. Diener, and N. Schwarz (1999): Well-being: Foundations of hedonic psychology, Russell Sage Foundation.
- KALLIS, G. (2011): "In defence of degrowth," Ecological Economics, 70, 873-880.

- KALLIS, G., C. KERSCHNER, AND J. MARTINEZ-ALIER (2012): "The economics of degrowth," Ecological Economics, 84, 172–180.
- KASSER, T. (2003): The high price of materialism, MIT press.
- KOTKIN, J. (2013): "Richard Florida concedes the limits of the creative class." The Dailybeast.
- LEDERBOGEN, F., P. KIRSCH, L. HADDAD, F. STREIT, H. TOST, P. SCHUCH, S. WUST, J. C. PRUESSNER, M. RIETSCHEL, M. DEUSCHLE, AND A. MEYER-LINDENBERG (2011): "City living and urban upbringing affect neural social stress processing in humans," *Nature*, 474.
- LENZI, C. AND G. PERUCCA (2016): "The Easterlin paradox and the urban-rural divide in life satisfaction: Evidence from Romania," Unpublished; http://www.grupposervizioambiente.it.
- LEONARD, A. (2010): The story of stuff: How our obsession with stuff is trashing the planet, our communities, and our health-and a vision for change, Simon and Schuster.
- LEVY, L. AND A. N. HERZOG (1974): "Effects of population density and crowding on health and social adaptation in the Netherlands," *Journal of Health and Social Behavior*, 228–240.
- MA, J., G. DONG, Y. CHEN, AND W. ZHANG (2017): "Does satisfactory neighbourhood environment lead to a satisfying life? An investigation of the association between neighbourhood environment and life satisfaction in Beijing," *Cities*.
- MARYANSKI, A. AND J. H. TURNER (1992): The social cage: Human nature and the evolution of society, Stanford University Press.
- MILGRAM, S. (1970): "The experience of living in cities," Science, 167, 1461-1468.
- MILLS, N. (2012a): "The corporatization of higher education," *Dissent*, 59, 6–9.
- ——— (2012b): "The Corporatization of Higher Education." dissentmagazine.org.
- MISRA, T. (2015): "New York City Apartments Are Getting Even More Crowded," City Lab.
- MOEINADDINI, M., Z. ASADI-SHEKARI, M. AGHAABBASI, I. SAADI, M. Z. SHAH, AND M. COOLS (2020): "Applying non-parametric models to explore urban life satisfaction in European cities," *Cities*, 105, 102851.
- MORRISON, P. (2015): "Capturing effects of cities on subjective wellbeing," European Regional Science Association Conference, Lisbon.
- MORRISON, P. S. (2011): "Local expressions of subjective well-being: The New Zealand experience," Regional studies, 45, 1039–1058.
- MOURATIDIS, K. (2019): "Compact city, urban sprawl, and subjective well-being," Cities, 92, 261–272.
- NAIM, M. (2016): "Economists Still Think Economics Is the Best," The Atlantic.
- NG, Y.-K. (1996): "Happiness surveys: Some comparability issues and an exploratory survey based on just perceivable increments," *Social Indicators Research*, 38, 1–27.
- ——— (1997): "A case for happiness, cardinalism, and interpersonal comparability," The Economic Journal, 107, 1848–1858.
- OFFICE FOR NATIONAL STATISTICS (2011): "Analysis of Experimental Subjective Well-being Data from the Annual Population Survey," The National Archives.
- OKULICZ-KOZARYN, A. AND J. M. MAZELIS (2016): "Urbanism and Happiness: A Test of Wirth's Theory on Urban Life," *Urban Studies*.
- OKULICZ-KOZARYN, A. AND R. VALENTE (2020): "The perennial dissatisfaction of urban upbringing," Cities.
- OKULICZ-KOZARYN, A. AND R. R. VALENTE (2019): "Livability and subjective well-being across European cities," *Applied Research* in Quality of Life, 14, 197–220.
- PACHAURI, R. K., M. ALLEN, V. BARROS, J. BROOME, W. CRAMER, R. CHRIST, J. CHURCH, L. CLARKE, Q. DAHE, P. DASGUPTA, ET AL. (2014): Climate Change 2014: Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change, IPCC.
- PARK, R. E. (1915): "The city: Suggestions for the investigation of human behavior in the city environment," *The American Journal of Sociology*, 20, 577–612.

- PARK, R. E., E. W. BURGESS, AND R. D. MAC KENZIE ([1925] 1984): The city, University of Chicago Press, Chicago IL.
- RODGERS, W. L. (1982): "Density, crowding, and satisfaction with the residential environment," *Social Indicators Research*, 10, 75–102.
- ROSENTHAL, S. S. AND W. C. STRANGE (2002): "The urban rat race," Syracuse University Working.
- ——— (2003): "Agglomeration, Labor Supply, and the Urban Rat Race," Center for Policy Research Working Paper.
- ——— (2008): "Agglomeration and hours worked," The Review of Economics and Statistics, 90, 105–118.
- SCHMIDLIN, K. (2015): "The corporatization of higher education: With a system that caters to the 1 percent, students and faculty get screwed. Low-paid teachers are fighting back against exploitation in public & private colleges. No more poverty wages," salon.com.
- Schuetz, J. (2019): "Cost, crowding, or commuting? Housing stress on the middle class," Brookings.
- SENIOR, J. (2006): "Some Dark Thoughts on Happiness," New York Magazine.
- SIMMEL, G. (1903): "The metropolis and mental life," The Urban Sociology Reader, 23-31.
- Solari, C. D. (2019): "America's Housing Is Getting More Crowded. How Will That Affect Children?" Urban Institute.
- STEVENSON, B. AND J. WOLFERS (2013): "Subjective well-being and income: Is there any evidence of satiation?" *The American Economic Review*, 103, 598–604.
- STIGLITZ, J., A. SEN, AND J. FITOUSSI (2009): "Report by the Commission on the measurement of economic performance and social progress," *Available at www.stiglitz-sen-fitoussi.fr*.
- Subramanian, S., M. A. Subramanyam, S. Selvaraj, and I. Kawachi (2009): "Are self-reports of health and morbidities in developing countries misleading? Evidence from India," *Social science & medicine*, 68, 260–265.
- TÖNNIES, F. ([1887] 2002): Community and society, DoverPublications.com, Mineola NY.
- VALENTE, R. AND B. J. BERRY (2016): "Dissatisfaction with city life? Latin America revisited," Cities, 50, 62-67.
- VAN DEN BERGH, J. C. (2011): "Environment versus growth–A Criticism of "degrowth" and a plea for "a-growth"," *Ecological Economics*, 70, 881–890.
- WANG, D., T. SCHWANEN, AND Z. MAO (2019): "Does exposure to richer and poorer neighborhoods influence wellbeing?" *Cities*, 95, 102408.
- WEBB, S. D. (1975): "The meaning, measurement and interchangeability of density and crowding indices," *The Australian and New Zealand Journal of Sociology*, 11, 60–62.
- WEINBERG, N. (2011): "How Can Cities be Preemptive and Effective in Preventing Overcrowding?" Datasmart-Harvard.
- WHITE, M. G. AND L. WHITE (1977): The intellectual versus the city: from Thomas Jefferson to Frank Lloyd Wright, Oxford University Press, Oxford UK.
- WIRTH, L. (1938): "Urbanism as a Way of Life," American Journal of Sociology, 44, 1–24.
- WKEZIAK-BIALOWOLSKA, D. (2016): "Quality of life in cities–Empirical evidence in comparative European perspective," *Cities*, 58, 87–96.

9 SOM: ONLINE APPENDIX (THIS WILL NOT BE A PART OF THE PAPER

9.1 Country Codes

note for ease of presentation numbers rounded to full digits

Table 3: .

сс	s c	ls	town	
1	ALB	Albania	5	3.400
2	ARG	Argentina	7.300	6.900
3	AUS	Australia	7.500	5.900
4 5	AZE BFA	Azerbaijan BurkinaFaso	5.800 5.600	4.500 4.500
6	BGD	Bangladesh	6.500	3.300
7	BGR	Bulgaria	4.900	4.400
8	BLR	Belarus	5.100	5.100
9	BOL	Bolivia	7.500	5.400
10	BRA	Brazil	7.500	6.400
11	CAN	Canada	7.800	4.500
12	CHL	Chile	7.200	7
13 14	CHN	China	7	6.200 6.400
15	COL DEU	Colombia Germany	8.300 7.200	4.700
16	DZA	Algeria	6	5.100
17	ECU	Ecuador	7.900	6.200
18	ĒĞŸ	Egypt	5.500	4.800
19	ESP	Spain	7	5.300
20	ETH	Ethiopia	5.300	5.400
21	FRA	France	6.900	5
22	GEO	Georgia	5	4.300
23 24	GHA	Ghana	6.300	3.400
24 25	GRC GTM	Greece Guatemala	6.200 7.700	5.100 5.800
26	HRV	Croatia	6.200	4
27	HUN	Hungary	6.400	4.800
28	IDN	Indonesia	7.300	4.100
29	IND	India	6.200	3.700
30	IRN	Iran	6.400	5.700
31	IRQ	Iraq	4.900	5.900
32	ITA	Italy	6.900	4.500
33 34	JOR KAZ	Jordan	6.600 7.100	4.800 5.100
35	KGZ	Kazakhstan Kyrgyzstan	7.300	3.600
36	KWT	Kuwait	7.200	6.200
37	LBN	Lebanon	6.600	4.600
38	LTU	Lithuania	5	4.500
39	LVA	Latvia	4.900	4.700
40	MAR	Morocco	5.700	5.600
41	MDA	Moldova	4.600	3.400
42 43	MEX MKD	Mexico NorthMacedonia	8 5.400	5.200 4.300
45 44	MYS	Malaysia	5.400 7	4.600
45	NGA	Nigeria	6.400	5.400
46	NLD	Netherlands	7.600	5.800
47	NOR	Norway	7.800	4.100
48	NZL	NewZealand	7.700	4.900
49	PAK	Pakistan	6.600	4.900
50	PER	Peru	6.900	5
51 52	PHL POL	Philippines Poland	7 6.800	5.400 4.100
53	ROU	Romania	6.100	4.100
54	RUS	Russia	5.700	5.400
55	RWA	Rwanda	5.700	5.800
56	SRB	Serbia	5.900	4.600
57	SVN	Slovenia	7	2.700
58	SWE	Sweden	7.700	6.200
59	THA	Thailand	7.100	2.100
60 61	TJK TUN	Tajikistan Tunisia	7.900 5.600	3.100 3.900
62	TUR	Tunisia Turkey	6.500	6.400
63	UKR	Ukraine	4.900	4.700
64	URY	Uruguay	7.400	6.100
65	USA	UnitedStates	7.500	5.400
66	UZB	Uzbekistan	7.900	3.300
67	VEN	Venezuela	7.100	6.500
68	VNM	Vietnam	7.200	4.400
69 70	ZAF ZWE	SouthAfrica	6.600	3 3.900
++	ZVVE	Zimbabwe	5.100	3.900
* p<0.05, + p<0.1; robust std err				
	hla 1. I			

Table 4: lctry

these were dropped as data were missing on major categories if there less than 30 obs on both collectively 2 smallest categories or on top cttegory: enumerate here: **TODO**

note for ease of presentation numbers rounded to full digits TODO discuss in depth interesting differences lol

Table 5: .

	т 1	T 2	Т 3	T 4	T 5	Т 6	T 7	Т 8	
cc 1	T 1 ALB	743	235	198	74	187	T 7 195	201	134
1 2 3	ARG	261	120	80	140	142	160	254	2880
4	AUS AZE	404 164	420 232	440 65	469 46	698 61	621 82	779 80	2681 272
5	BFA	60	124	271	331	342	128	30	169
6	BGD	437	1498	781	371	397	223	289	156
7 8	BFA BGD BGR BLR	500 917	246 111	103 61	133 252	178 251	247 160	348 1063	318 812
9	BOL BRA CAN	423	30	101	71	254	109	378	701 2814
10	BRA	72	301	340	539	835	852	1740	2814
11 12	CAN	1321 141	490 43	537 9	372 23	410 110	762 702	693 3466	1145 2206
13	CHN	237	274	126	373	1812	1999	2139	2568
14	COL	16	48	225	358	1053	910	1476	1940
15 16	DEU DZA	784 190	825 7	645 364	1279 278	1373 456	601 544	1147 549	996 92
17	ECU	50	132	127	144	179	301	916	553
18	EGY	119	362	1464	1143	1149	504	313	1072
19 20	ESP ETH	307 98	328 108	365 360	451 291	433 207	362 691	946 904	729 71
21	FRA	246	82	39	48	47	85	67	387
22	GEO	742	442	138	151	189	49	309	682
23 24	GHA GRC	159 290	1541 30	238 50	242 50	374 150	139 140	156 50	237 440
25	GRC GTM HRV HUN	263	121	92	77	321	151	201	077
26 27	HRV	375 153	181 320	4 73	141 189	8 216	104 171	127 223	215 312 1203 1238
28	IDN	801	1204	1270	796	426	211	304	1203
29	IND	2965	2368	1421	1234	987	834	1171	1238
30 31	IRN	439 84	384 467	295 73	140 182	261 184	176 85	542 449	1737 1117
32	IRQ ITA	70	148	135	176	131	124	100	128
32 33	JOR	310	489	459	356	676	286	299	754
34 35	KAZ	293	449	173	225 194	193	95	702	646
35 36	KGZ KWT	983 114	958 61	373 19	194 70	168 23	141 6	231 297	695 462
36 37	LBN	80	265	336	336	529	275	153	191
38 39	LTU	324 373	12 24	48 57	114 81	66 101	30 108	252 57	163 399
40	LVA MAR	44	270	292	474	100	51	293	921
41	$MD\Delta$	700	906	370	202	214	20	261	365
42 43	MEX MKD MYS	1196 475	1129 253	749 163	653 60	697 326	566 343	1686 48	2764 382
43	MYS	300	503	269	282	314	276	735	241
45	NGA	318	804	669	658	1044	1123	1774	1428
46 47	NZL	308	0	270 566	182 251	152 62	190 10	516 251	187
48	PER	529 590	1124 137	60	108	62 175	339	251 1070	1935 131
49	PHL	350	295	210	105	590	430	1000	620
50 51	PAK PER PHL POL ROU	1097 819	173 1203	111 568	168 411	318 487	277 482	629 1326	343 468
52	RUS	1166	600	541	417	784	462 461	1810	2532
53 54	RUS RWA SRB SVN	15	76	92	128	419	1620	634	50
54 55	SVN	691 1520	508 475	580 240	316 149	606 226	758 78	544 278	732 118
56	SWE	123	56	91	166	377	545	762	766
57	THA	2450	613	389	164	190	93	45	153
58 59	TJK TUN	360 73	370 468	80 669	70 429	90 251	90 252	30 191	110 80
60	TUR	96	12	84	48	264	230	1273	408
61	UKR	962	527	178	327	294	305	806	912
62 63	URY USA	99 410	129 352	118 357	229 636	493 960	328 746	1 972	1336 1168
64	UZB	500	352 440	40	40	60	20	260	140
65	VEN	20	40	172	192	242	242	484	1008
66 67	VNM ZAF	63 3912	708 218	736 194	784 258	190 269	94 238	966 390	154 987
68	ZWE	3912 470	687	317	258 86	209 183	238 422	323	987 227
++									

Table 6: Icount

10 descriptive stats

+ p<0.05, + p<0.1; robust std err

like in eb paper maybe also like min and max and everything in app but order somehow anyway but yeah can see diff in mean across categories from bivariate but still median and sd by cat would be useful!

10.1 Limitations

We do not use Gallup data. Some may argue it is a limitation becuase these data cover more countries than WVS. However, apparently Gallup data cost tens of thousands of dollars and we cannot afford it. In fact we'd discourage scientists from paying from tax money to private corporations to do research. Therefore we actually consider it our advantage not to use Gallup data.

Many world countries are missing, using more WVS data in the future as they become available.

right there are limitations, many countries dropped out as they dont habe many people in smallest or biggest areas

Cross cultural comparbility is a caveat, we run separate for each country and ont pool data but still, it should be kept in mind that happiness can mean soemtig different in different countries. likewise world cities are very different, bradth of the study is accomanied by oversimplification.

"There is research in this area which claims that urban-rural differentials might be country-specific and not be generalisable at all (Rees, Tonon, Mikkelsen, & Rodriguez de la Vega, 2017)."

10.2 Urbanicity Definition and results by different definition and sequentail elaboration

we have 3 different operationalizatios of urbanicity: original 8 cat, collapse one way and collapse the other way; and 3 sets of models: bivariate (iwth yr dummies), esentially mean diff betwenn cat; basic set of controls; necessary/important ones; full//extened (one in the body); and there is 4th one over saturated but has most missing obs and hence postponed to the next section.

where i dicuss controls in data and to literature where i slam burger and indeed as shown later comparing unadjusted means results in cities being happier notably due to confounding of higher income education and class

Table 7: .

	-10	10-50k	50-500k	500k-	N
LB	0.0	0.1	0.2*	0.4*	1960
iRG	0.0	0.2+	-0.0	-0.1	4010
iUS	0.0	-0.0	-0.0	-0.0	6466
ZE	0.0	-0.2	-0.3	0.4*	1002
BFA	0.0	-0.3*	0.6*	-0.0	1421
		-0.2*			
BGD	0.0		0.4*	1.5*	4106
BGR	0.0	0.6*	0.7*	0.8*	2014
BLR	0.0	0.5*	0.4*	0.5*	3603
BOL	0.0	-0.1	-0.0	0.1	2058
BRA	0.0	-0.0	-0.3*	-0.3*	7462
CAN	0.0	-0.1	-0.1*	-0.5*	5720
HL	0.0	0.3	-0.2	-0.2	6657
CHN	0.0	0.2	0.4*	0.2+	9407
OL	0.0	-0.0	-0.0	-0.1	6025
DEU	0.0	-0.1*	0.0	-0.0	7625
DZA	0.0	0.3+	0.1	0.4	2433
ECU	0.0	-0.2	-0.1	0.0	2400
GY	0.0	-0.2+	-0.1	-0.5*	6120
SP	0.0	-0.0	-0.1	-0.2+	3898
TH	0.0	-0.5*	0.1	0.1	2719
RA	0.0	0.0	0.3+	0.1	1000
GEO	0.0	0.0	0.5*	0.5*	2676
SHA	0.0	0.7*	0.7*	0.5*	3080
SRC	0.0	0.0	0.2	-0.4*	1200
STM	0.0	0.6*	0.8*	0.3*	2202
IRV	0.0	0.1	-0.1	0.3	1152
iUN	0.0	0.0	0.1	0.1	1649
DN	0.0	0.2*	0.4*	0.3*	6092
ND	0.0	0.6*	0.1+	0.5*	11971
				0.5	
RN	0.0	0.2	-0.3*	0.0	3973
RQ	0.0	0.1	-0.1	0.2+	2631
TA	0.0	-0.0	-0.1	0.1	1006
OR	0.0	0.2*	-0.0	0.1	3622
(AZ	0.0	0.1	0.1	-0.0	2761
(GZ	0.0	-0.2	0.2	-0.7*	3731
(WT	0.0	-0.6*	0.4+	0.1	1034
.BN	0.0	0.0	-0.1	-0.1	2159
.TU	0.0	0.5+	0.6*	0.6*	996
.VA	0.0	-0.0	-0.2	-0.4*	1190
MAR	0.0	0.2+	0.7*	0.2	2442
		0.3*	0.9*	0.7*	3000
/DA	0.0		0.9		
ИEX	0.0	0.1	0.0	-0.0	9329
ИKD	0.0	-0.1	0.2	0.4*	2031
ИYS	0.0	0.1	0.0	-0.1	2919
IGA	0.0	-0.0	0.1	0.5*	7807
IZL	0.0	-0.1	-0.2+	0.1	1770
PAK	0.0	0.6*	0.1	0.4*	3677
PER	0.0	0.3+	0.6*	0.5*	2602
PHL	0.0	0.6*	0.4+	0.7*	3600
OL	0.0	0.1	0.2*	0.0	3093
ROU	0.0	0.1	0.4*	0.4*	5618
RUS	0.0	0.2*	0.1	0.4*	8187
RWA	0.0	-0.0	-0.2	-0.3	3030
SRB	0.0	0.2*	0.4*	0.2+	4654
SVN	0.0	0.3*	0.4*	0.1	3065
SWE	0.0	0.2	0.3*	0.2	2882
ГНА	0.0	0.2	-0.1	-0.7*	4086
ΓJK	0.0	-0.1	-0.2	-0.1	1200
TUN	0.0	0.1	0.0	-0.8*	2405
TUR	0.0	0.7*	0.9*	1.0*	2405
JKR	0.0	0.2+	0.0	0.0	4169
JRY	0.0	0.1	-0.0	0.1	2717
JSA	0.0	-0.0	-0.2*	-0.3*	5586
JZB		-0.0			
	0.0		-0.2+	-0.4*	1493
/EN	0.0	-0.2	-0.2	0.1	2385
/NM	0.0	0.4*	0.5	0.0	3674
'AF	0.0 0.0	0.9*	1.2*	1.1*	6448
ZWE		0.2	0.2	0.2	2714

Table 8: exT4-1

Table 9: .

ALB					
ALB ARG 0.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1		-5	5-500k	500k-	N
ARG AUS 0.0 0.0 0.1 0.1 0.1 0.6466 AZE 0.0 0.0 0.0 0.1 0.1 0.0 0.1 0.1 0.0 0.1 0.1 0.0 0.1 0.1 0.0 0.1 0.1 0.0 0.1 0.1 0.0 0.1 0.1 0.0 0.1 0.1 0.8 0.0 0.0	ALB				
AUS AZE 0.0 -0.4* 0.3 1002 BFA 0.0 -0.1 -0.0 1421 BGD BGD 0.0 0.1+ 1.5* 4106 BGR 0.0 0.0 -0.1 -0.0 1421 BLR 0.0 0.0 -0.1 -0.0 1.201 BLR 0.0 0.0 -0.1 -0.5* 2014 BLR 0.0 0.0 -0.1 -0.0 7462 CAN 0.0 -0.1* -0.5* 5720 CHL 0.0 -0.1* -0.5* 5720 CHL 0.0 0.5* 0.3* 9407 COL CHL 0.0 0.5* 0.3* 9407 COL 0.0 0.1 -0.1 -0.1 6657 CHN 0.0 0.5* 0.3* 9407 COL EGY 0.0 -0.0 -0.0 -0.0 -0.0 7625 DZA 0.0 0.0 -0.1 -0.0 -0.0 7625 DZA 0.0 0.0 -0.1 -0.0 -0.0 7625 DZA 0.0 0.0 -0.1 -0.0 -0.0 920 EGY 0.0 -0.0 -0.0 -0.0 -0.0 920 ESP 0.0 0.0 -0.1 -0.2* 3898 ETH 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.					
AZE BFA 0.0 -0.1 -0.0 1421 BGD 0.0 -0.1 -1.0 0.1 1421 BGD 0.0 0.1+ 1.5* 4106 BGR 0.0 0.7* 0.9* 2014 BLR 0.0 0.4* 0.5* 3603 BOL 0.0 0.1 -1.0 1.1 2058 BRA 0.0 0.1 -1.0 -0.0 7462 CAN 0.0 -0.1* -0.5* 5720 CHL 0.0 -0.1* -0.5* 5720 CHL 0.0 0.0 -1.1 -0.1 6657 CHN 0.0 0.0 1.1 -0.1 6657 CHN 0.0 0.0 0.1 0.1 6025 DEU 0.0 0.0 0.1 0.1 6025 DEU 0.0 0.0 0.1 0.1 6025 DEU 0.0 0.0 0.2 0.4 2433 ECU 0.0 0.2 0.4 2433 ECU 0.0 0.0 -0.6* -1.0* 6120 ESP 0.0 0.0 -0.6* -1.0* 6120 ESP 0.0 0.0 -0.1 -0.2* 3898 ETH 0.0 0.2 0.3 2719 FRA 0.0 0.0 0.2 0.3 2719 FRA 0.0 0.0 0.3* 0.5* 2676 GHA 0.0 0.7* 0.5* 308 GRC 0.0 0.3* 0.5* 2202 HRV 0.0 0.0 0.6* 0.3* 2202 HRV 0.0 0.0 0.6* 0.3* 2202 HRV 0.0 0.0 0.0 0.0 0.0 0.0 1000 GFO GTM 0.0 0.0 0.0 0.3* 0.5* 3081 ITA 0.0 0.0 0.0 0.0 0.3+ 1152 ITS IRN 0.0 0.0 0.2* 0.3* 6092 IND 0.0 0.0 0.2* 0.3* 6092 IND 0.0 0.0 0.2* 0.3* 6092 IND 0.0 0.0 0.0 0.1 1006 IND 0.0 0.2* 0.3* 6092 IND 0.0 0.0 0.1 0.0 0.2 0.3 ITA 0.0 0.0 0.0 0.1 1000 IND 0.0 0.2* 0.3* 6092 IND 0.0 0.0 0.0 0.1 1000 IND 0.0 0.2* 0.3* 6092 IND 0.0 0.0 0.0 0.1 1000 IND 0.0 0.2* 0.3* 6092 IND 0.0 0.0 0.0 0.1 1000 IND 0.0 0.2* 0.3* 6092 IND 0.0 0.0 0.1 0.1 1006 IND 0.0 0.2* 0.3* 6092 IND 0.0 0.0 0.0 0.2* 0.3* 6092 IND 0.0 0.0 0.0 0.0 0.2* 0.4* 11971 IRN 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0					
BFA BGD BGR 0.0 0.1+ 1.5* 4106 BGR BGR 0.0 0.0 0.1+ 1.5* 4106 BGR BLR 0.0 0.0 0.4* 0.5* 3603 BOL BRA 0.0 0.0 0.1 0.1 0.0 0.7* 0.9* 2014 BBRA BRA 0.0 0.0 0.1 0.1 0.0 0.74 62 CAN CAN 0.0 0.0 0.1* 0.0 0.1* 0.0 0.74 62 CHL 0.0 0.0 0.1* 0.0 0.1* 0.05* 5720 CHL 0.0 0.0 0.1 0.1 0.1 0.657 CCHN 0.0 0.0 0.5* 0.3* 9407 COL 0.0 0.0 0.1 0.1 0.1 0.0 0.5* 0.3* 9407 COL 0.0 0.0 0.1 0.1 0.0 0.2 0.4 2433 ECU 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.					
BGD 0.0 0.1+ 1.5* 4106 BGR 0.0 0.7* 0.9* 2014 BLR 0.0 0.4* 0.5* 3603 BOL 0.0 0.1 0.1 2058 BRA 0.0 0.1 0.0 7462 CAN 0.0 -0.1* -0.5* 5720 CHI 0.0 -0.1 -0.1 6657 CHN 0.0 -0.1 -0.1 6657 CHN 0.0 0.1 1.1 6025 CHN 0.0 0.0 0.1 1.1 6025 CHN 0.0 0.0 0.1 0.0 602 0.0 6625 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.0 24433 8407 ECU 60.0 0.0 0.0 0.0 0.0 2.0 2.3 2719 FRA 0.0 0.0 0.0 0.0 0.0 0.0 0.0 <		0.0			
BGR BLR 0.0 0.4* 0.5* 3601 BOL 0.0 0.4* 0.5* 3603 BOL 0.0 0.0 0.1 0.1 0.0 0.7* 0.9* 3601 BRA 0.0 0.0 0.1 0.1 0.0 0.7* 0.9* 3602 BRA 0.0 0.0 0.1 0.1 0.0 0.7* 0.9* 3602 BRA 0.0 0.0 0.1 0.1 0.1 0.0 0.5* 5720 CHL 0.0 0.0 0.1 0.1 0.1 0.2 0.4 0.2 0.4 2433 ECU 0.0 0.0 0.0 0.0 0.1 0.1 0.1 0.0 0.2 0.4 2433 ECU 0.0 0.0 0.0 0.0 0.0 0.1 0.1 0.0 0.2 0.4 2433 ECY 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.					
BLR BOL 0.0					
BOL BRA 0.0 0.1 -0.1 -0.5* 5720 CHL 0.0 -0.1* -0.5* 5720 CHL 0.0 -0.1 -0.1 -0.1 6657 CHN 0.0 0.0 -0.1 -0.1 -0.1 6657 CHN 0.0 0.0 -0.1 -0.1 -0.1 6657 CHL 0.0 0.0 -0.1 -0.1 -0.1 6657 CHL 0.0 0.0 -0.1 -0.1 -0.1 6655 DEU 0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0					
BRA 0.0 0.1 -0.0* 7462 CAN 0.0 -0.1* -0.5* 5720 CHL 0.0 -0.1 -0.1 6657 CHN 0.0 0.1 -0.1 6657 COL 0.0 0.0 -1.0 1.0 6025 DEU 0.0 -0.0 -0.0 -0.0 7625 802 ECU 0.0 0.0 -0.1 0.0 240 2433 ECU 0.0 -0.1 0.0 2400 ESP 6120 8898 ECU 865 -1.0* 6120 859 9.0 -0.1 -0.2* 3898 881 871 871 8898 871					
CAN CHL 0.0 CHL 0.0 CHL 0.0 CHL 0.0 CHN 0.0 COL 0.0 CHN 0.0 COL 0.0 CHN 0.0 COL 0.0 CHN 0.0 COL 0.0 CHN 0.0 CH					
CHL CHN COL ON COL COL COL ON COL					
CHN COL DEU DEU DOL DEU DOL DEU DOL DEU DOL DEU DOL DEU DOL DOL DEU DOL DOL DEU DOL DOL DEU DOL					
COL 0.0 0.1 0.1 6025 DZA 0.0 -0.0 -0.0 7625 DZA 0.0 -0.1 -0.0 2433 ECU 0.0 -0.1 0.0 2400 EGY 0.0 -0.0* -1.0* 6120 ESP 0.0 -0.1 -0.2* 3898 ETH 0.0 0.2 0.3 2719 FRA 0.0 0.0 0.0 1000 GEO 0.0 0.0 0.0 0.0 1000 GEO 0.0 0.2* -0.4* 1200 GRC 0.0 0.2* -0.4* 1200 GTM 0.0 0.0 0.2* -0.4* 1200 GTM 0.0 0.0 0.0 0.3* 2202 HRV 0.0 0.0 0.0 0.3+ 1200 IDN 0.0 0.0 0.0 0.3+ 1152 IND <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
DEU DZA 0.0 -0.0 -0.0 -0.0 7625 ECU 0.0 -0.1 -0.2 0.4 2433 ECU 0.0 -0.6* -1.0* 6120 ESY 0.0 -0.6* -1.0* 6120 ESP 0.0 -0.1 -0.2* 3898 ETH 0.0 0.2 0.3 2719 FRA 0.0 0.0 0.0 0.0 1000 GEO 0.0 0.0 0.0 0.0 1000 GEO GRC 0.0 0.0 0.7* 0.5* 3080 GRC GRC 0.0 0.0 0.2 -0.4* 1200 GTM 0.0 0.6* 0.3* 2202 HRV 0.0 0.0 0.6* 0.3* 1152 HUN 0.0 0.0 0.6* 0.3* 1152 HUN 0.0 0.0 0.2* 0.4* 11971 IRN 0.0 0.0 0.2* 0.4* 11971 IRN 0.0 0.0 0.2* 0.4* 11971 IRN 0.0 0.0 0.0 0.2 0.4* 11971 IRN 0.0 0.0 0.0 0.2 0.4* 11971 IRN 0.0 0.0 0.1 -0.0 3973 ITA 1.0 0.0 0.1 -0.0 1.1 1006 JOR 0.0 0.1 -0.0 0.1 1006 JOR 0.0 0.1 -0.0 2761 KGZ 0.0 0.1 -0.0 2761 KGZ 0.0 0.1 -0.0 2761 KGZ 0.0 0.1 -0.0 2761 VAA 0.0 0.1 0.1 0.1 1034 LBN 0.0 0.1 0.1 0.1 1034 LBN 0.0 0.0 0.1 -0.2 2159 LTU 0.0 0.6* 0.7* 996 LVA 0.0 0.0 0.0 0.0 0.0 9329 MKD 0.0 0.0 0.0 0.0 0.0 9329 MKD 0.0 0.0 0.0 0.0 0.0 0.0 9329 MKD 0.0 0.0 0.0 0.0 0.0 0.0 0.0 9329 MKD 0.0 0.0 0.0 0.0 0.0 0.0 0.0 9329 MKD 0.0 0.0 0.0 0.0 0.0 0.0 1770 PAK 0.0 0.0 0.0 0.0 0.0 1770 PAK 0.0 0.0 0.0 0.0 0.0 1770 PAK 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1770 PAK 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1770 PAK 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1770 PAK 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1770 PAK 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0					
DZA 0.0 0.2 0.4 2433 EGY 0.0 -0.1 0.0 2400 EGY 0.0 -0.6* -1.0* 6120 ESP 0.0 -0.1 -0.2* 3898 ETH 0.0 0.2 0.3 2719 FRA 0.0 0.0 0.0 1000 GEO 0.0 0.3* 0.5* 2676 GHA 0.0 0.7* 0.5* 3080 GRC 0.0 0.2 -0.4* 1200 GTM 0.0 0.2 -0.4* 1200 GTM 0.0 0.0 0.3* 2202 HRV 0.0 0.0 0.3+ 1152 HUN 0.0 0.0 0.0 3.3+ 1152 HRV 0.0 0.0 0.0 3.3+ 1152 HBV 0.0 0.0 0.2* 0.3* 6092 IND 0.0 0.2* <td< td=""><td>COL</td><td>0.0</td><td></td><td>0.1</td><td></td></td<>	COL	0.0		0.1	
ECU 0.0 -0.1 0.0 2400 EGY 0.0 -0.6* -1.0* 6120 ESP 0.0 -0.1 -0.2* 3898 ETH 0.0 0.0 0.2 0.3 2719 FRA 0.0 0.0 0.0 0.0 1000 GEO 0.0 0.3* 0.5* 2676 GHA 0.0 0.7* 0.5* 3080 GRC 0.0 0.0 0.2* 0.4* 1200 GTM 0.0 0.0 0.0 0.3+ 1152 HUN 0.0 0.0 0.0 0.3+ 1152 HUN 0.0 0.0 0.0 0.3+ 1152 HUN 0.0 0.0 0.2* 0.3* 6092 IND 0.0 0.2* 0.4* 11971 IRN 0.0 0.2* 0.4* 11971 IRN 0.0 0.0 0.2* 0.4* 11971 IRN 0.0 0.0 0.0 0.2+ 2631 ITA 0.0 0.0 0.1 0.0 0.2+ 2631 ITA 0.0 0.0 0.1 0.0 0.2 KAZ 0.0 0.1 0.1 0.1 3622 KAZ 0.0 0.1 0.1 0.1 3622 KAZ 0.0 0.1 0.1 0.1 1034 LBN 0.0 0.1 0.1 0.1 1034 LBN 0.0 0.1 0.1 0.1 1034 LBN 0.0 0.0 0.1 0.1 1034 LBN 0.0 0.1 0.1 0.1 1034 LBN 0.0 0.0 0.1 0.1 1034 LBN 0.0 0.1 0.1 0.1 1034 LBN 0.0 0.1 0.1 0.1 1034 LBN 0.0 0.1 0.1 0.1 1034 LBN 0.0 0.0 0.6* 0.7* 996 LVA 0.0 0.0 0.0 0.0 0.0 9329 MKD 0.0 0.0 0.0 0.0 0.0 0.0 0.0 9329 MKD 0.0 0.0 0.0 0.0 0.0 0.0 0.0 9329 MKD 0.0 0.0 0.0 0.0 0.0 0.0 0.0 9329 MKD 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.					
ESY 0.0 -0.6* -1.0* 6120 ESP 0.0 -0.1 -0.2* 3898 ETH 0.0 0.0 -0.1 -0.2* 3898 ETH 0.0 0.0 0.2 0.3 2719 FRA 0.0 0.0 0.0 0.0 0.0 1000 GEO 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.					
ESP ETH 0.0 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0					
ETH FRA 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.					
FRA GEO GEO GEO O.0 GEO O.0 O.0 O.3* O.5* C676 GHA O.0 O.0 O.7* O.5* S080 GRC O.0 O.0 O.0 O.2 O.4* I 1200 GTM O.0 O.0 O.0 O.0 O.0 O.0 O.3* C22 O.4* I 1200 GTM O.0					
GEO GHA GHA O.0 O.7* O.5* 3080 GRC O.0 O.0 O.2 GTM O.0 O.0 O.3* D.3* D.2 D.3* D.0					
GHA GRC O.0 O.0 O.2 O.4* I200 GTM O.0 O.0 O.6* O.3* D.200 HRV O.0 O.0 O.0 O.0 O.0 O.3+ D.5* HUN O.0 O.0 O.0 O.0 O.0 O.0 O.0 O.0 HUN O.0					
GRC GTM 0.0 0.0 0.6* 0.3* 2202 HRV 0.0 0.0 0.0 0.3+ 1152 HUN 0.0 0.0 0.0 0.2* 0.3* 6092 IND 0.0 0.0 0.2* 0.4* 11971 IRN 0.0 0.0 0.0 0.2* 0.4* 11971 IRN 0.0 0.0 0.0 0.2+ 0.3* IRQ 0.0 0.0 0.0 0.2+ 0.3* IRQ 0.0 0.0 0.0 0.0 0.2+ 0.3* IRQ 0.0 0.0 0.0 0.0 0.1 0.0 0.2+ 0.3* IRQ 0.0 0.0 0.0 0.1 0.1 0.1 0.2 IDD 0.0 0.0 0.1 0.1 0.1 0.0 0.0 0.1 0.1 0.1			0.3*	0.5*	
GRC GTM 0.0 0.0 0.6* 0.3* 2202 HRV 0.0 0.0 0.0 0.3+ 1152 HUN 0.0 0.0 0.0 0.2* 0.3* 6092 IND 0.0 0.0 0.2* 0.4* 11971 IRN 0.0 0.0 0.0 0.2* 0.4* 11971 IRN 0.0 0.0 0.0 0.2+ 0.3* IRQ 0.0 0.0 0.0 0.2+ 0.3* IRQ 0.0 0.0 0.0 0.0 0.2+ 0.3* IRQ 0.0 0.0 0.0 0.0 0.1 0.0 0.2+ 0.3* IRQ 0.0 0.0 0.0 0.1 0.1 0.1 0.2 IDD 0.0 0.0 0.1 0.1 0.1 0.0 0.0 0.1 0.1 0.1		0.0	0.7*	0.5*	3080
GTM HRV 0.0 0.0 0.0 0.3+ 1152 HUN 0.0 0.0 0.0 0.3+ 1152 HUN 0.0 0.0 0.0 0.2* 0.4* 11971 IRN 0.0 0.0 0.0 0.2* 0.4* 11971 IRN 0.0 0.0 0.0 0.0 0.2* 0.4* 11971 IRN 0.0 0.0 0.0 0.0 0.0 0.2+ 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	GRC	0.0	0.2	-0.4*	1200
HRV	GTM	0.0	0.6*	0.3*	2202
HUN IDN IDN IDN IDN IDN IDN IDN IDN IDN ID					
IDN		0.0	-0.0		
IND	IDN			0.3*	6092
IRN					
IRQ					
ITA					
JOR KAZ KAZ 0.0 0.1 0.1 -0.0 2761 KGZ 0.0 0.1 -0.7* 3731 KWT 0.0 0.1 0.1 1034 LBN 0.0 -0.1 0.1 1034 LBN 0.0 -0.1 0.0 1.0 1.0 1.0 1.0 1.					
KAZ 0.0 0.1 -0.0 2761 KGZ 0.0 -0.1 -0.7* 3731 KWT 0.0 0.1 0.1 1034 LBN 0.0 -0.1 -0.2 2159 LTU 0.0 0.6* 0.7* 996 LVA 0.0 -0.0 -0.4* 1190 MAR 0.0 0.0 -0.4* 1190 MAR 0.0 0.0 -0.4* 1190 MEX 0.0 0.0 -0.4* 1190 MKD 0.0 0.0 -0.0 9329 MKD 0.0 0.0 0.3* 2031 MYS 0.0 0.1 -0.1 2919 NGA 0.0 -0.2* 0.2* 7807 NZL 0.0 -0.3* 0.0 1770 PAK 0.0 -0.2* 0.4* 3677 PER 0.0 0.5* 0.5* 2602					
KGZ 0.0 -0.1 -0.7* 3731 KWT 0.0 0.1 0.1 1034 LBN 0.0 -0.1 -0.2 2159 LTU 0.0 0.6* 0.7* 996 LVA 0.0 -0.0 -0.4* 1190 MAR 0.0 0.4* 0.3 2442 MDA 0.0 0.5* 0.8* 3000 MEX 0.0 0.0 -0.0 9329 MKD 0.0 0.0 -0.0 9329 MKD 0.0 0.0 0.3* 2031 MYS 0.0 0.1 -0.1 2919 NGA 0.0 -0.2* 0.2* 7807 NZL 0.0 -0.3* 0.0 1770 PAK 0.0 0.2* 0.4* 3677 PER 0.0 0.5* 0.5* 2602 PHL 0.0 0.3* 0.6* 3600					
KWT 0.0 0.1 0.1 1034 LBN 0.0 -0.1 -0.2 2159 LTU 0.0 -0.6* 0.7* 996 LVA 0.0 -0.0 -0.4* 1190 MAR 0.0 0.4* 0.3 2442 MDA 0.0 0.5* 0.8* 3000 MEX 0.0 0.0 -0.0 9329 MKD 0.0 0.0 0.3* 2031 MYS 0.0 0.1 -0.1 2919 NGA 0.0 0.1 -0.1 2919 NGA 0.0 0.2* 0.2* 7807 NZL 0.0 -0.3* 0.0 1770 PAK 0.0 0.2* 0.4* 3677 PER 0.0 0.5* 0.5* 2602 PHL 0.0 0.3* 0.6* 3600 POL 0.0 0.2* 0.1 3093 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
LBN LTU D.0 D.0 D.6* D.7* D.96 LVA D.0 D.0 D.6.* D.7* D.96 LVA D.0 D.0 D.0 D.4* D.3 D.4* D.0 D.0 D.5* D.8* D.0					
LTU 0.0 0.6* 0.7* 996 LVA 0.0 -0.0 -0.4* 1190 MAR 0.0 0.4* 0.3 2442 MDA 0.0 0.5* 0.8* 3000 MEX 0.0 0.0 0.0 -0.0 9329 MKD 0.0 0.0 0.0 -0.0 9329 MKD 0.0 0.1 -0.1 2919 NGA 0.0 -0.2* 0.2* 7807 NZL 0.0 -0.3* 0.0 1770 PAK 0.0 0.2* 0.4* 3677 PER 0.0 0.5* 0.5* 2602 PHL 0.0 0.3* 0.6* 3600 POL 0.0 0.3* 0.6* 3600 POL 0.0 0.3* 0.6* 3600 POL 0.0 0.3* 0.6* 3600 ROU 0.0 0.3* 0.4* 5618 RUS 0.0 0.3* 0.4* 5618 RUS 0.0 0.3* 0.4* 5618 RUS 0.0 0.3* 0.5* 8187 RWA 0.0 0.3* 0.5* 8187 RWA 0.0 0.3* 0.5* 4654 SVN 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.3* 2882 THA					
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MAR 0.0 0.4* 0.3 2442 MDA 0.0 0.5* 0.8* 3000 MEX 0.0 0.0 -0.0 9329 MKD 0.0 0.0 0.3* 2031 MYS 0.0 0.1 -0.1 2919 NGA 0.0 -0.2* 0.2* 7807 NZL 0.0 0.2* 0.4* 3677 PER 0.0 0.5* 0.5* 2602 PHL 0.0 0.3* 0.6* 3600 POL 0.0 0.2* 0.1 3093 ROU 0.0 0.3* 0.4* 5618 RUS 0.0 0.3* 0.5* 8187 RWA 0.0 -0.6* -0.7* 3030 SRB 0.0 0.3* 0.2* 4654 SVN 0.0 0.4* 0.3* 2882 THA 0.0 0.1 -0.7* 4086					
MDA 0.0 0.5* 0.8* 3000 MEX 0.0 0.0 -0.0 9329 MKD 0.0 0.0 0.3* 2031 MYS 0.0 0.1 -0.1 2919 NGA 0.0 -0.2* 0.2* 7807 NZL 0.0 -0.3* 0.0 1770 PAK 0.0 0.2* 0.4* 3677 PER 0.0 0.5* 0.5* 2602 PHL 0.0 0.3* 0.6* 3600 POL 0.0 0.2* 0.1 3093 ROU 0.0 0.3* 0.4* 5618 RUS 0.0 0.3* 0.5* 8187 RWA 0.0 -0.6* -0.7* 3030 SRB 0.0 0.3* 0.2* 4654 SVN 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.1 -0.7* 4086					
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MKD 0.0 0.0 0.3* 2031 MYS 0.0 0.1 -0.1 2919 NGA 0.0 -0.2* 0.2* 7807 NZL 0.0 -0.3* 0.0 1770 PAK 0.0 0.2* 0.4* 3677 PER 0.0 0.5* 0.5* 2602 PHL 0.0 0.3* 0.6* 3600 POL 0.0 0.2* 0.1 3093 ROU 0.0 0.3* 0.4* 5618 RUS 0.0 0.3* 0.5* 8187 RWA 0.0 -0.6* -0.7* 3030 SRB 0.0 0.3* 0.2* 4654 SVN 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.1 -0.7* 4086					
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NGA 0.0 -0.2* 0.2* 7807 NZL 0.0 -0.3* 0.0 1770 PAK 0.0 0.2* 0.4* 3677 PER 0.0 0.5* 0.5* 2602 PHL 0.0 0.3* 0.6* 3600 POL 0.0 0.2* 0.1 3093 ROU 0.0 0.3* 0.4* 5618 RUS 0.0 0.3* 0.5* 8187 RWA 0.0 -0.6* -0.7* 3030 SRB 0.0 0.3* 0.2* 4654 SVN 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.3* 2882 THA 0.0 0.1 -0.7* 4086					
NZL 0.0 -0.3* 0.0 1770 PAK 0.0 0.2* 0.4* 3677 PER 0.0 0.5* 0.5* 2602 PHL 0.0 0.3* 0.6* 3600 POL 0.0 0.2* 0.1 3093 ROU 0.0 0.3* 0.4* 5618 RUS 0.0 0.3* 0.5* 8187 RWA 0.0 -0.6* -0.7* 3030 SRB 0.0 0.3* 0.2* 4654 SVN 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.3* 2882 THA 0.0 0.1 -0.7* 4086					
PAK 0.0 0.2* 0.4* 3677 PER 0.0 0.5* 0.5* 2602 PHL 0.0 0.3* 0.6* 3600 POL 0.0 0.2* 0.1 3093 ROU 0.0 0.3* 0.4* 5618 RUS 0.0 0.3* 0.5* 8187 RWA 0.0 -0.6* -0.7* 3030 SRB 0.0 0.3* 0.2* 4654 SVN 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.3* 2882 THA 0.0 0.1 -0.7* 4086					
PER 0.0 0.5* 0.5* 2602 PHL 0.0 0.3* 0.6* 3600 POL 0.0 0.2* 0.1 3093 ROU 0.0 0.3* 0.4* 5618 RUS 0.0 0.3* 0.5* 8187 RWA 0.0 -0.6* -0.7* 3030 SRB 0.0 0.3* 0.2* 4654 SVN 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.3* 2882 THA 0.0 0.1 -0.7* 4086			-0.3*	0.0	
PHL 0.0 0.3* 0.6* 3600 POL 0.0 0.2* 0.1 3093 ROU 0.0 0.3* 0.4* 5618 RUS 0.0 0.3* 0.5* 8187 RWA 0.0 -0.6* -0.7* 3030 SRB 0.0 0.3* 0.2* 4654 SVN 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.3* 2882 THA 0.0 0.1 -0.7* 4086			0.2*	0.4*	
POL 0.0 0.2* 0.1 3093 ROU 0.0 0.3* 0.4* 5618 RUS 0.0 0.3* 0.5* 8187 RWA 0.0 -0.6* -0.7* 3030 SRB 0.0 0.3* 0.2* 4654 SVN 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.3* 2882 THA 0.0 0.1 -0.7* 4086					
ROU 0.0 0.3* 0.4* 5618 RUS 0.0 0.3* 0.5* 8187 RWA 0.0 -0.6* -0.7* 3030 SRB 0.0 0.3* 0.2* 4654 SVN 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.3* 2882 THA 0.0 0.1 -0.7* 4086					
RUS 0.0 0.3* 0.5* 8187 RWA 0.0 -0.6* -0.7* 3030 SRB 0.0 0.3* 0.2* 4654 SVN 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.3* 2882 THA 0.0 0.1 -0.7* 4086					
RWA 0.0 -0.6* -0.7* 3030 SRB 0.0 0.3* 0.2* 4654 SVN 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.3* 2882 THA 0.0 0.1 -0.7* 4086					
RWA 0.0 -0.6* -0.7* 3030 SRB 0.0 0.3* 0.2* 4654 SVN 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.3* 2882 THA 0.0 0.1 -0.7* 4086		0.0			
SRB 0.0 0.3* 0.2* 4654 SVN 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.3* 2882 THA 0.0 0.1 -0.7* 4086	RWA		-0.6*	-0.7*	
SVN 0.0 0.4* 0.1 3065 SWE 0.0 0.4* 0.3* 2882 THA 0.0 0.1 -0.7* 4086			0.3*		
SWE 0.0 0.4* 0.3* 2882 THA 0.0 0.1 -0.7* 4086			0.4*		
THA 0.0 0.1 -0.7* 4086					
	TJK	0.0	-0.2	-0.1	1200
TUN 0.0 0.1 -0.7* 2405					
TUR 0.0 1.2* 1.4* 2405					
UKR 0.0 0.1 0.0 4169					
URY 0.0 0.1 0.0 4109 URY 0.0 0.1 0.1 2717					
				0.1	
USA 0.0 -0.1 -0.3* 5586 UZB 0.0 -0.1 -0.4* 1493				-0.5	
VEN 0.0 -1.8* -1.5* 2385					
VNM 0.0 0.2* -0.3+ 3674					
ZAF 0.0 1.0* 1.1* 6448					
ZWE 0.0 0.3* 0.3+ 2714		0.0	0.3*	0.3+	2/14

* p<0.05, + p<0.1; robust std err

Table 10: exT3-1

Table 11: .

	-2k	2-5k	5-10k	10-20k	20-50k	50-100k	100-500k	500k-	N
ALB	0.0	0.3+	-0.0	0.0	0.2	0.1	0.5*	0.5*	1960
ARG	0.0	0.5*	0.2	0.4*	0.4*	0.6*	-0.2	0.0	4010
AUS	0.0	0.1	-0.1	0.1	-0.1	0.0	-0.1	-0.0	6466
AZE	0.0	-0.1	-0.8*	-0.5	-0.2	-0.3	-0.6*	0.2 -0.5*	1002
BFA	0.0	-0.8*	-0.4+	-1.0*	-0.6*	0.2	-0.1	-0.5*	1421
BGD	0.0	-0.4*	-0.1	-0.6*	-0.3*	0.1	0.1	1.2*	4106
BGR	0.0	0.5*	0.6*	0.7*	0.8*	0.9*	1.0*	1.0*	2014
BLR	0.0	0.7*	0.1	0.8*	0.3+	0.7*	0.5*	0.6* 0.1	3603
BOL BRA	0.0 0.0	-0.0	-0.1	-0.1 0.3	-0.1	0.2	-0.1	0.1	2058
CAN	0.0	0.1 0.1	0.7* -0.1	-0.1	0.4 -0.0	0.3 -0.1	0.0 -0.2+	-0.5*	7462 5720
CHL	0.0	0.6+	0.8	0.4	0.5+	0.1	-0.1	0.0	6657
CHN	0.0	-0.1	0.6*	0.7*	0.2	0.5*	0.6*	0.3+	9407
COL	0.0	-0.9+	-0.5	-0.7+	-0.5	-0.5	-0.6	-0.6+	6025
DEU	0.0	0.1	0.1	-0.0	-0.1	0.1	0.0	0.0	7625
DZA	0.0	1.9*	0.1	0.2	0.5*	0.2	0.3	0.5	2433
ECU	0.0	-0.2	-0.2	-0.1	-0.6+	-0.3	-0.2	-0.1	2400
EGY	0.0	0.6*	-0.2	-0.1	-0.2	0.0	-0.4	-0.5+	6120
ESP	0.0	-0.2	-0.2	-0.3+	-0.1	-0.1	-0.3*	-0.3*	3898
ETH	0.0	+8.0	0.9*	0.2	0.3	0.8*	1.1*	1.0*	2719
FRA	0.0	-0.3	-0.8*	-0.3	0.1	0.3	0.0	-0.1	1000
GEO	0.0	0.1	0.4*	0.1	0.1	1.0*	0.5*	0.6*	2676
GHA	0.0	0.3	0.9* 0.4	1.0*	1.0*	1.1*	0.8*	0.7*	3080
GRC	0.0	0.2 -0.2	0.4	-0.1 0.9*	0.2 0.5*	0.5* 1.0*	-0.3 0.7*	-0.3* 0.3+	1200
GTM HRV	0.0	-0.2	0.1	0.9*	0.5*	1.U**	0.7"	0.3+	2202
HUN	0.0 0.0	-0.3 0.3	2.0* -0.2	0.1 -0.1	0.4 0.4+	-0.7* -0.2	0.3 0.7*	0.2 0.2	1152 1649
IDN	0.0	0.3	-0.2 0.2+	0.1	0.4+	0.6*	0.4*	0.4*	6092
IND	0.0	0.1 0.4*	0.0	0.7*	0.8*	0.1	0.4*	0.6*	11971
IRN	0.0	-0.7	-0.2	0.3	-0.0	-0.6*	-0.3+	-0.1	3973
IRQ	0.0	-0.2 -0.5+	-0.4	-0.5	-0.1	-0.3	-0.6+	-0.3	2631
ITÀ	0.0	-0.4	-0.4 -0.2	-0.5 -0.2	-0.3	-0.4	-0.6+ -0.3	-0.1	1006
JOR	0.0	0.0	-0.0	0.3	0.2	-0.1	0.1	0.1	3622
KAZ	0.0	-0.1	-0.1	-0.3+	0.4*	0.4	-0.0	-0.1	2761
KGZ	0.0	-0.1	-0.2	-0.4*	-0.2	-0.5*	0.4*	-0.8*	3731
KWT	0.0	1.5*	0.4	-0.0	-0.2	0.4	0.9*	0.6* -0.2	1034
LBN	0.0	-0.0	-0.2	-0.1	-0.0	-0.2	-0.2	-0.2	2159
LTU	0.0	0.4	0.2	0.5	0.6+	-0.0	0.8* -0.5	0.7*	996
LVA	0.0	-0.0	0.4	0.1	-0.0	-0.0	-0.5	-0.4*	1190
MAR MDA	0.0	-0.2 0.2*	-0.0 0.4*	0.1 0.3+	-0.0 0.7*	0.5 -2.0*	0.6* 1.3*	0.1 0.9*	2442 3000
MEX	0.0	0.2	0.4	-0.0	0.7*	0.1	0.1	0.9	9329
MKD	0.0	0.8*	0.0	0.3	0.1	0.3+	1.4*	0.6*	2031
MYS	0.0	0.4*	0.4*	0.4*	0.4*	0.2	0.3*	0.2	2919
NGA	0.0	-0.3+	-0.8*	-0.7*	-0.4*	-0.4*	-0.3+	0.0	7807
NZL	0.0	0.5	-0.3	-0.2	-0.3	-0.2	-0.4*	0.0	1770
PAK	0.0 0.0	0.1	0.2+	1.9*	0.4	2.3*	0.2	0.5*	3677
PER	0.0	0.1	-0.1	0.3	0.3	0.4*	0.7*	0.5*	2602
PHL	0.0	0.3	0.1	0.5+	0.8*	0.4+	0.7*	1.0*	3600
POL	0.0	0.2	0.3	0.4*	0.0	0.2	0.3*	0.1	3093
ROU	0.0	0.3*	0.2+	0.1	0.5*	0.2	0.8*	0.6*	5618
RUS	0.0	0.6*	0.6*	0.4*	0.6*	0.4*	0.4*	0.7*	8187
RWA	0.0	-0.7+	-1.5*	-1.3*	-1.0*	-1.3*	-1.0*	-1.3*	3030
SRB	0.0	0.3*	0.2	0.2	0.4*	0.7*	0.3*	0.3*	4654
SVN	0.0	0.3*	0.3*	0.7*	0.2+	0.4+	0.5*	0.2	3065
SWE	0.0	0.2 0.2+	0.4	0.3	0.4*	0.4* -0.1	0.5*	0.4*	2882 4086
THA	0.0	0.2+	0.2+	0.3+	0.1	-0.1	-0.0	-0.7*	4086
TJK	0.0 0.0	-0.1	-0.2 -0.4	-0.7*	0.2	-0.2	-0.5* -0.2	-0.2	1200 2405
TUN		-0.6 2.2*		-0.6+ 0.2	0.2 0.9*	-0.4 0.8*		-1.1*	
TUR UKR	0.0 0.0	-3.2* 0.4*	0.6* 0.1	0.2 0.5*	0.9** 0.1	0.8* 0.1	0.9* 0.1	1.0* 0.2	2405 4169
URY	0.0	0.4	0.1	0.5	0.1	0.1	1.6*	0.2	2717
USA	0.0	-0.3*	-0.2	-0.1	-0.2*	-0.4*	-0.3*	-0.5*	5586
UZB	0.0	0.3*	-0.2 0.5+	0.1	-0.2	-1.0*	-0.0	-0.3+	1493
VEN	0.0	1.5	-1.1	-0.9	-0.2	-0.8	-0.8	-0.5 -0.5	2385
VNM	0.0	0.5*	0.4+	1.0*	0.3	1.2*	1.0*	0.5	3674
ZAF	0.0	0.5* -0.1	0.4*	0.9*	1.1*	1.2*	1.2*	1.2*	6448
ZWE	0.0	0.1	0.4+	0.1	0.5*	0.1	0.6*	0.4+	2714
* p<0.05, + p<0.1; robust std err									
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Table 12: exT-1

Table 13: .

	-10	10-50k	50-500k	500k-	N
ALB	0.0	-0.3*	-0.1	-0.0	1864
ARG	0.0	0.2	-0.2	0.1	955
AUS	0.0	0.1	-0.1	-0.1	3895
AZE	0.0	0.1	-0.2	0.2	995
BFA	0.0	-0.2	0.3	-0.4	636
BGD	0.0	-0.2	0.1	0.9*	2562
BGR	0.0	0.0	0.1	-0.1	1637
BLR	0.0	0.0	-0.0	0.0	3394
BRA	0.0	-0.2	-0.5*	-0.5*	3780
CAN	0.0	-0.2	-0.2*	-0.5*	3320
CHL	0.0	0.5	-0.2*	-0.6*	3823
CHN	0.0	0.5	0.3*	0.1	4371
COL	0.0	0.2	0.1	-0.0	4376
DEU	0.0	-0.2*	-0.0	0.0	5137
DZA	0.0	0.3+	0.0	-0.1	1806
ECU	0.0	-0.5	-0.6*	-0.1 -0.5+	1187
EGY	0.0	-0.2	-0.0	-0.8*	3466
ESP	0.0	0.1	-0.0	-0.2+	1652
ETH	0.0	-1.8*	-0.2	-0.4	1246
GEO	0.0	-0.0	0.0	0.1	2602
GHA	0.0	0.3*	0.1	-0.2	2602
HUN	0.0	-0.1	-0.0	-0.6*	952
IDN	0.0	0.2+ 0.5*	0.1 -0.4*	0.1	2459
IND	0.0			0.5*	6931
IRN	0.0	0.3	-0.5*	0.1	2208
IRQ	0.0	0.2	-0.4*	-0.2	1233
ITA	0.0	-0.3*	-0.5*	0.0	639
JOR	0.0	0.2*	0.1	-0.1	2137
KAZ	0.0	0.4*	-0.0	-0.3*	1497
KGZ	0.0	-0.3	0.3*	-0.5*	2427
KWT	0.0	-0.4	0.5*	0.1	953
LBN	0.0	0.1	0.1	-0.2	898
LTU	0.0	0.2	0.3	0.5+	889
LVA	0.0	-0.2	-0.5*	-0.7*	1119
MAR	0.0	0.2	0.2	-0.2	888
MDA	0.0	0.1	0.1	0.2	2740
MEX	0.0	0.0	-0.1	-0.3*	3782
MKD MYS	0.0	-0.3+	0.1	-0.2 -0.2	1600 1559
NGA	0.0	0.3+ 0.1	0.1 0.1	0.1	4628
NZL	0.0	0.1	-0.2	0.1	625
PAK	0.0	0.2	0.3	0.4*	1131
PER	0.0	0.2	0.7*	-0.3	1122
PHL	0.0	0.2	-0.1	0.1	2343
POL	0.0	-0.2	-0.1	-0.3+	2683
ROU	0.0	-0.2*	-0.0	0.3*	3966
RUS	0.0	0.2+	0.1	0.2*	3999
RWA	0.0	-0.1	-0.3*	0.3	2432
SRB	0.0	-0.1	0.3*	-0.5*	3128
SVN	0.0	-0.1 0.2+	0.3	-0.3	1896
SWE	0.0	0.2+	0.1	0.1	1888
THA	0.0	-0.2	0.1	0.0	2387
TUN	0.0	-0.2	0.1	0.0	901
UKR	0.0	0.0	-0.2*	-0.2*	3593
URY	0.0	0.3*	0.2	0.1	2511
USA	0.0	0.0	-0.2*	-0.2*	3493
UZB	0.0	-0.0	0.0	-0.2*	1407
VEN	0.0	-0.0	-0.8*	-0.3	1111
VNM	0.0	-0.5 0.3*	-0.8**	-0.1 -0.5	2330
ZAF	0.0	0.3*	-0.0 0.3*	-0.5 0.1	2330 5575
ZWE	0.0	-0.1	0.3** 0.1	-0.0	5575 1492
* p < 0.05 p < 0.1; rebust std err	0.0	-0.1	U.I	-0.0	1492

* p<0.05, + p<0.1; robust std err

Table 14: exT4-2

Table 15: .

	-5	5-500k	500k-	N
ALB	0.0	-0.2*	-0.1	1864
ARG	0.0	-0.2	-0.0	955
AUS	0.0	-0.1	-0.2*	3895
AZE	0.0	-0.2	0.1	995
BFA	0.0	0.3	-0.0	636
BGD		0.3	0.9*	2562
	0.0			
BGR	0.0	0.0	-0.1	1637
BLR	0.0	-0.0	-0.0	3394
BRA	0.0	0.1	-0.1	3780
CAN	0.0	-0.2*	-0.5*	3320
CHL	0.0	-0.5	-0.5	3823
CHN	0.0	0.4*	0.2+	4371
COL		0.0	-0.1	4376
DEU	0.0	-0.1	0.0	5137
DZA	0.0	-0.4+	-0.6	1806
ECU	0.0	-1.0*	-0.8*	1187
EGY	0.0	-0.4*	-1.1*	3466
ESP	0.0	-0.0	-0.3+	1652
ETH	0.0	0.0	-0.2	1246
GEO	0.0	0.1	0.1	2602
GHA		0.1		
	0.0	0.3*	-0.1	2602
HUN	0.0	-0.1	-0.6*	952
IDN	0.0	0.1	0.1	2459
IND	0.0	-0.0	0.4*	6931
IRN	0.0	-0.4*	-0.0	2208
IRQ	0.0	-0.2	-0.2	1233
ITA	0.0	-0.2	0.1	639
JOR	0.0	0.1	-0.1	2137
KAZ	0.0	0.1	-0.3*	1497
KGZ	0.0	-0.1	-0.5*	2427
KWT	0.0	0.3	0.2	953
LBN	0.0	-0.0	-0.3	898
LTU	0.0	0.2	0.5+	889
LVA	0.0	-0.3+	-0.7*	1119
MAR	0.0	0.0	-0.3	888
MDA	0.0	0.2+	0.2+	2740
MEX	0.0	-0.0	-0.3*	3782
MKD	0.0	-0.2+	-0.3	1600
MYS	0.0	0.1	-0.3	1559
NGA	0.0	-0.2+	-0.3	4628
NZL			-0.2	625
	0.0	0.0	0.5*	
PAK	0.0	0.5*	0.5*	1131
PER	0.0	0.5*	-0.3	1122
PHL	0.0	-0.0	0.1	2343
POL	0.0	-0.1	-0.3+	2683
ROU	0.0	-0.1+	0.3*	3966
RUS	0.0	0.3*	0.3*	3999
RWA	0.0	-0.8*	-0.3	2432
SRB	0.0	0.1	-0.6*	3128
SVN	0.0	0.2*	-0.3	1896
SWE	0.0	0.2	0.2	1888
THA	0.0	0.1	0.1	2387
TUN	0.0	0.1	0.1	901
			0.2*	
UKR	0.0	-0.1	-0.2*	3593
URY	0.0	0.3*	0.1	2511
USA	0.0	-0.1	-0.2*	3493
UZB	0.0	0.1	-0.3+	1407
VEN	0.0	-2.2*	-1.6*	1111
VNM	0.0	0.1	-0.5+	2330
ZAF	0.0	0.3*	0.2	5575
ZWE	0.0	0.2	0.1	1492

Table 16: exT3-2

Table 17: .

	-2k	2-5k	5-10k	10-20k	20-50k	50-100k	100-500k	500k-	N
ALB	-2K 0.0	2-5K 0.3*	-0.3+	-0.6*	-0.2	-0.3	0.1	-0.0	1864
ARG	0.0	0.9*	-0.3 -0.3	0.1	0.4	0.0	-0.4	0.1	955
AUS	0.0	0.0	-0.3	0.1	0.4	-0.1	-0.4	-0.2	3895
AZE	0.0 0.0	-0.0	-0.3 -0.4	-0.2	0.1	-0.1	-0.4	0.1	995
BFA	0.0	0.1	0.6+	-0.2	0.3	0.6+	0.7	-0.0	636
BGD	0.0	-0.4*	-0.2	-0.4*	-0.5*	-0.1	-0.3	-0.0 0.5*	2562
BGR	0.0	0.5*	0.1	0.2	0.2	0.0	0.4*	0.1	1637
BLR	0.0	0.3	-0.2	0.2	-0.1	0.1	-0.0	0.0	3394
BRA	0.0	-0.3	0.4	-0.1	-0.1	-0.2	-0.5	-0.4	3780
CAN	0.0	-0.0	-0.2	-0.2	-0.1 -0.2+	-0.3*	-0.2*	-0.5*	3320
CHL	0.0	0.5	1.0	-0.1	1.2*	-0.2	-0.3	-0.2	3823
CHN	0.0	0.0	0.5*	0.8*	0.1	0.2	0.6*	0.4+	4371
COL			0.0	0.8* 0.0	0.1 0.2 -0.2*	0.1	0.0	-0.0	4376
DEU	0.0	-0.1	-0.0	-0.2*	-0.2*	-0.0	-0.0	-0.0	5137
DZA	0.0	1.7*	-0.5*	-0.1	-0.1	-0.5+ -1.1*	-0.3 -0.9*	-0.5 -0.8*	1806
ECU	0.0	0.1	-1.2	-1.0*	-0.7*	-1.1*	-0.9*	-0.8*	1187
EGY	0.0	0.6+	0.0	-0.1	-0.1	0.3	-0.3	-0.7*	3466
ESP	0.0	-0.2	-0.2	-0.2	0.1	-0.0	-0.2	-0.4+	1652
ETH	0.0	0.7	2.2* 0.3+	0.0	-2.0*	-0.2	0.5	0.1	1246 2602
GEO	0.0	0.2+	0.3+	0.2	0.0	1.1*	-0.0	0.2+	2602
GHA	0.0	0.3+	0.8*	0.7*	0.6*	0.5+	0.3	0.1	2602
HUN	0.0	0.1	-0.3	-0.3	0.1	0.1	-0.0	-0.5+	952
IDN	0.0 0.0	-0.0	0.0	-0.2	1.0*	0.5+ -0.5*	-0.0	0.1 0.4*	2459
IND	0.0	0.2*	-0.2*	0.6*	0.4*	-0.5*	-0.3*	0.4*	6931
IRN	0.0 0.0	-0.5*	-0.7*	-0.2	0.1	-1.0+	-0.7*	-0.2+ -0.7*	2208
IRQ	0.0	-0.6+	-0.6	-0.7	-0.3	-0.8+	-1.0*	-0.7*	1233
ITA	0.0	-0.5+	-0.0	-0.4+	-0.7*	-0.6*	-0.9*	-0.3	639
JOR	0.0	-0.1 -0.5*	-0.2	0.2	0.0	-0.2 -0.6+	0.1	-0.2	2137
KAZ	0.0	-0.5*	-0.4	-0.0	0.1	-0.6+	-0.3+	-0.6*	1497
KGZ	0.0	-0.2+	-0.6*	-0.5*	-0.3	-0.1	0.3+	-0.6*	2427
KWT	0.0 0.0	1.7* -0.6+	0.5	0.2 -0.5+	0.1 -0.3	1.3*	1.2*	0.8* -0.7+	953 898
LBN LTU	0.0	-0.6+ 1.0	-0.6+ 0.1	-0.5+ 0.2	0.2	-0.4 -0.4	-0.4 0.4+	-0.7+ 0.5+	889
LVA	0.0	-0.0	0.1	-0.2	-0.2	-0.4	-0.7*	-0.7*	1119
MAR	0.0 0.0	-0.0	-0.4	-0.1	-0.2	-0.3 -0.2	-0.0	-0.4	888
MDA	0.0	0.3*	0.4*	0.3+	0.5*	-3.0*	0.5*	0.4*	2740
MEX	0.0	0.2+	0.1	0.5+	0.2	0.1	0.3	-0.1	3782
MKD	0.0 0.0	0.9*	-0.1	-0.2	-0.1	0.1	0.1 1.4*	-0.0	3782 1600
MYS	0.0	0.1	-0.0	0.2	0.4	-0.2	0.2	-0.2	1559
NGA	0.0	-0.0	-0.6	-0.2	-0.2	-0.4	0.2 -0.1	-0.3	1559 4628
NZL	0.0		0.2	0.4	0.0	-0.1	-0.1		625
PAK	0.0	0.0	0.5+				0.4	0.5*	1131
PER	0.0	-0.1	-0.4	0.1 -0.5	0.2	0.3 -0.2	0.6* -0.0	-0.3	1122 2343
PHL		0.0		-0.5	0.2	-0.2	-0.0	0.1	2343
POL	0.0	-0.1	0.0	0.2	-0.4*	-0.0	-0.1	-0.3+	2683
ROU	0.0	0.0	0.0	-0.5*	-0.1	-0.4*	0.0	0.3*	3966
RUS	0.0 0.0	0.5*	0.5*	0.5*	0.5*	0.3*	0.5*	0.5*	3999
RWA	0.0	-0.3	-1.3*	-1.0+	-0.8	-1.2*	-0.8	-0.5	2432
SRB	0.0	0.2	0.0	0.1	-0.0	0.4*	0.2	-0.5*	3128
SVN	0.0	0.1	0.3*	0.4*	0.2	0.2	0.1	-0.3	1896
SWE	0.0	-0.7*	-0.0	0.2	0.0	0.0	0.0 0.7*	-0.0	1888
THA	0.0	0.2*	0.3*	0.0	-0.2	0.0	0.7*	0.1	2387
TUN	0.0	-0.7	-0.5	-0.7	-0.4	0.0	0.0	0.1	901
UKR	0.0	0.4*	0.1	0.3*	0.0	-0.2	-0.0	-0.1	3593
URY	0.0	0.2	0.2	0.4+	0.5*	0.3	2.1*	0.2	2511
USA	0.0	-0.2	-0.1	-0.1	-0.1	-0.4*	-0.3+	-0.4*	3493
UZB	0.0 0.0	0.3* 1.3	0.5+ -1.6	0.4 -1.2	-0.1	-0.3 -1.2	0.2	-0.1	1407
VEN					-1.0		-1.6+	-0.7	1111
VNM ZAF	0.0	0.2	0.1	0.6*	-0.1 0.4*	1.1*	0.0 0.4*	-0.3	2330 5575
ZWE	0.0 0.0	-0.3+ -0.0	0.3+ 0.4	0.2 -0.3	0.4	0.2 0.1	0.4	0.1 0.1	1492
* n<0.05 + n<0.1: robust std err	0.0	-0.0	0.4	-0.5	0.1	0.1	0.5	0.1	1434

* p<0.05, + p<0.1; robust std err

Table 18: exT-2

Table 19: .

	-10	10-50k	50-500k	500k-	N
ALB	0.0	-0.4*	-0.2	0.5*	1582
ARG	0.0	0.1	-0.3	-0.0	855
AUS	0.0	0.1	0.0	-0.0	3728
AZE	0.0	0.1	-0.0	0.3*	964
BFA	0.0	-0.0	0.3	-0.2	567
BGD	0.0	-0.2*	0.1	0.6*	2104
BGR	0.0	-0.0	-0.1	-0.5*	1229
BLR	0.0	0.0	-0.1	-0.1	2815
BRA	0.0	-0.3*	-0.5*	-0.6*	3576
CAN	0.0	-0.1	-0.1+	-0.3*	3177
CHL	0.0	0.6+	-0.7*	-0.7*	3527
CHN	0.0	-0.3	-0.4	-0.7	2005
COL	0.0	0.1	0.0	-0.1	1376
DEU	0.0	-0.2*	-0.0	0.0	4795
DZA	0.0	0.3+	0.0	-0.0	1596
ECU	0.0	-0.7*	-0.7*	-0.5+	1182
EGY	0.0	-0.2	0.1	-0.8*	3428
ESP	0.0	-0.1	-0.0	-0.1	1487
ETH	0.0	-1.4+	0.1	0.1	1017
GEO	0.0	-0.0	0.1	0.0	2401
GHA	0.0	0.2+	0.1	-0.1	2572
HUN	0.0		-0.1	-0.4*	887
		0.0			
IDN	0.0	0.3*	0.2	0.1	2056
IND	0.0	0.5*	-0.4*	0.4*	5857
IRN	0.0	0.3	-0.5*	0.0	2119
IRQ	0.0	0.3+	-0.3*	-0.0	1123
ITA	0.0	-0.2	-0.3+	0.0	585
JOR	0.0	0.2*	-0.0	-0.2	2089
KAZ	0.0	0.2	-0.1	-0.3*	1497
KGZ	0.0	-0.1	0.2	-0.3*	2293
LBN	0.0	0.3+	0.1	0.2	731
LTU	0.0	0.3	0.3	0.2	750
LVA	0.0	-0.1	-0.4*	-0.7*	963
MAR	0.0	0.1	0.2	-0.1	845
MDA	0.0	0.2+	0.2	0.1	2478
MEX	0.0	-0.0	-0.1	-0.2+	3544
MKD	0.0	-0.3+	0.1	0.0	1385
MYS	0.0	0.2	0.0	-0.4*	1541
NGA	0.0	0.2	0.0+	0.1	4488
NZL			-0.1	0.1	417
	0.0	0.0		0.2	900
PAK	0.0	0.1	0.2		
PER	0.0	0.1	0.5*	-0.5	1026
PHL	0.0	0.4	0.4	0.5	2294
POL	0.0	-0.2	-0.1	-0.2	1533
ROU	0.0	-0.3*	-0.2*	0.3*	3568
RUS	0.0	0.1	0.1	0.2+	3253
RWA	0.0	-0.1	-0.2*	0.1	2398
SRB	0.0	0.0	0.2*	-0.4*	2539
SVN	0.0	0.3*	-0.1	-0.3	1620
SWE	0.0	0.2	0.1	0.1	1769
THA	0.0	-0.1	0.2	0.0	2178
TUN	0.0	-0.1			826
UKR	0.0	0.1	0.0	-0.1	2985
URY	0.0	0.3*	0.1	0.1	2017
USA	0.0	0.0	-0.1	-0.2*	3372
UZB	0.0	-0.1	0.0	-0.2*	1247
VEN	0.0	-0.2	-0.7+	0.1	1034
VNM	0.0	0.3*		-1.4*	2039
ZAF			0.2		
	0.0 0.0	0.2+ -0.2	0.1 0.1	-0.0 0.0	5330 1487
ZWE					

Table 20: exT4-3

Table 21: .

	-5	5-500k	500k-	N
ALB	0.0	-0.4*	0.4+	1582
ARG	0.0	-0.2	-0.0	855
AUS	0.0	-0.0	-0.1	3728
AZE	0.0	-0.1	0.3	964
BFA	0.0	0.3	0.0	567
BGD	0.0	0.0	0.7*	2104
BGR	0.0	-0.0	-0.5*	1229
BLR	0.0	-0.1	-0.1	2815
BRA	0.0	-0.2	-0.4*	3576
CAN	0.0	-0.1+	-0.3*	3177
CHL	0.0	-0.7*	-0.7*	3527
CHN		0.0	-0.4*	2005
COL		0.0	-0.1	1376
DEU	0.0	-0.1	0.0	4795
DZA	0.0	-0.4*	-0.6	1596
ECU	0.0	-0.9*	-0.7*	1182
EGY	0.0	-0.4*	-1.1*	3428
ESP	0.0	-0.1	-0.1	1487
ETH	0.0	0.3	0.4	1017
GEO	0.0	0.1	0.1	2401
GHA	0.0	0.3*	-0.0	2572
HUN	0.0	0.0	-0.4*	887
IDN	0.0	0.1	-0.0	2056
IND	0.0	-0.0	0.3*	5857
IRN	0.0	-0.3*	-0.0	2119
IRQ	0.0	-0.1	-0.0	1123
ITA	0.0	-0.1	0.2	585
JOR	0.0	0.1	-0.2	2089
KAZ	0.0	-0.0	-0.3*	1497
KGZ	0.0	-0.1	-0.3*	2293
LBN	0.0	0.1	0.2	731
LTU	0.0	0.3	0.3	750 063
LVA MAR	0.0	-0.1	-0.6* -0.2	963
MDA	0.0 0.0	0.0 0.2*		845 2478
MEX	0.0	-0.1	0.2 -0.2+	3544
MKD	0.0	-0.1	-0.2+ -0.1	1385
MYS	0.0	0.1	-0.1*	1541
NGA	0.0	-0.1	-0.4	4488
NZL	0.0	-0.1	-0.1	417
PAK	0.0	0.4+	0.3	900
PER	0.0	0.3*	-0.5	1026
PHL	0.0	0.4	0.5	2294
POL	0.0	-0.1	-0.1	1533
ROU	0.0	-0.2*	0.3*	3568
RUS	0.0	0.2*	0.2*	3253
RWA	0.0	-0.7*	-0.4+	2398
SRB	0.0	0.1	-0.4*	2539
SVN	0.0	0.2+	-0.2	1620
SWE	0.0	0.2	0.2	1769
THA	0.0	0.1	0.1	2178
TUN	0.0	0.1		826
UKR	0.0	0.0	-0.1	2985
URY	0.0	0.2	0.1	2017
USA	0.0	-0.1	-0.2*	3372
UZB	0.0	0.0	-0.3*	1247
VEN	0.0	-1.7*	-1.2*	1034
VNM	0.0	0.1	-1.5*	2039
ZAF	0.0	0.2*	0.0	5330
ZWE	0.0	0.1	0.2	1487
* p<0.05, + p<0.1; robust std err				

Table 22: exT3-3

Table 23: .

ARG 0.0 0.6+ 0.0 0.0 0.0 0.0 0.0 0.0		-2k	2-5k	5-10k	10-20k	20-50k	50-100k	100-500k	500k-	N
ARG 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	A I D									
AUS		0.0	0.2	-0.5	-0.0	-0.4	-0.5 0.1	0.0	0.4	955
AZE 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0		0.0		0.0	0.0	0.5	-0.1 0.1	-0.5	0.1	3728
BGC	A7F	0.0		-0.2	-0.2	0.0	-0.1	-0.0	0.1	964
BGC	RFA	0.0	0.3	0.5	0.1	0.5	0.8		0.3	567
BGR	BGD			-0.6*	-1.0*	-0.8*	-0.5*	-0.6*	-0.0	
BRA							-0.1		-0.3±	
BRA	BLR	0.0	0.1	-0.3	0.5	-0.0	0.1	-0.1		2815
CAN			-0.6±	-0.2	-0.6+		-0.7*	-0.1		3576
CHIL (CHN (DA)		0.0				-0.2	-0.7*		-0.4*	
CHN COL 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0					0.1	1 1*	-0.3	-0.3		
COL OCU OCU OCU OCU OCU OCU OCU	CHN	0.0	0.0	0.0	0.1	-0.4	-0.4	-0.3	-0.7	2005
DZA 0.0 1.6* -0.6* -0.2 -0.1 -1.0* -1.3* -0.8* -1.0* -0.8* -1.0* -0.9* -0.8* -1.0* -1.3* -0.8* -1.0* -0.9* -0.8* -1.0* -1.3* -0.8* -1.0* -1.3* -0.8* -1.0* -1.0* -1.3* -0.8* -1.0* -0.9* -0.8* -1.0* -1.3* -0.8* -1.0* -0.9* -0.8* -1.0* -1.3* -0.8* -1.0* -0.8* -1.0* -1.0* -1.3* -0.8* -1.0* -0.8* -1.0* -1.3* -0.8* -1.0* -0.3* -0.2 -0.2 -0.3 -0.4 -0.3+ -0.	COL			0.0	0.5	-0.0	0.2	-0.1	-0.1	1376
DZA 0.0 1.6* -0.6* -0.2 -0.1 -1.0* -1.3* -0.8* -1.0* -0.8* -1.0* -0.9* -0.8* -1.0* -1.3* -0.8* -1.0* -0.9* -0.8* -1.0* -1.3* -0.8* -1.0* -1.3* -0.8* -1.0* -1.0* -1.3* -0.8* -1.0* -0.9* -0.8* -1.0* -1.3* -0.8* -1.0* -0.9* -0.8* -1.0* -1.3* -0.8* -1.0* -0.8* -1.0* -1.0* -1.3* -0.8* -1.0* -0.8* -1.0* -1.3* -0.8* -1.0* -0.3* -0.2 -0.2 -0.3 -0.4 -0.3+ -0.		0.0	-0.0	-0.0	-0.2+	-0.2*	-0.1	-0.1	-0.0	4795
ECU 0.0 -0.0 -1.0 -1.3* -0.8* -1.0* -0.9* -0.8* 1182 ESP 0.0 0.4 -0.1 -0.2 -0.2 0.3 -0.4 -0.8* 3428 ESP 0.0 -0.4+ -0.4 -0.4* -0.4* -0.2 -0.2 -0.3+ -0.3+ 1487 ETH 0.0 -0.3 2.3* 0.2 -2.0* -0.2 -0.3+ -0.3+ 1487 ETH 0.0 -0.3 2.3* 0.2 -2.0* -0.2 0.4 0.2 1017 ECO 0.0 0.1 0.2 0.1 -0.0 0.8* 0.0 0.1 2401 EVEN 0.0 0.1 0.2 0.1 -0.0 0.8* 0.0 0.1 2401 EVEN 0.0 0.1 0.2 0.1 -0.0 0.8* 0.0 0.1 2401 EVEN 0.0 0.1 0.2 0.1 -0.0 0.8* 0.0 0.1 2401 EVEN 0.0 0.1 0.2 0.1 0.0 0.8* 0.0 0.1 0.1 2401 EVEN 0.0 0.1 0.2 0.3 -0.1 0.4 0.2 0.1 -0.1 0.2 0.5* EVEN 0.0 0.0 0.1 0.2 0.3 -0.1 0.4 0.2 0.1 -0.1 0.1 0.2 0.5* EVEN 0.0 0.0 0.1 0.2* 0.0* 0.0* 0.0 0.4* 0.0 0.1 0.2 0.1 0.1 0.2 0.1 0.1 0.2 0.1 0.2 0.1 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.1 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2			1.6*		-0.2	-0.1	-0.4	-0.4+		
EGY 0.0 0.4 -0.1 -0.2 -0.2 0.3 -0.4 -0.8* 3428 ESP 0.0 -0.4+ -0.4 -0.4 -0.2 -0.2 -0.3 + -0.3+ 1487 ETH 0.0 -0.3 2.3* 0.2 -2.0* -0.2 -0.3 + -0.3+ 1487 ETH 0.0 0.3 2.3* 0.2 -2.0* -0.2 0.4 0.2 -0.3+ 10.3+ 1487 ETH 0.0 0.0 0.3 2.3* 0.2 -2.0* -0.2 0.4 0.2 0.1 10.1 2401 EGO 0.0 0.0 0.1 0.2 0.0 0.8* 0.0 0.0 0.0 0.0 0.0 0.1 2401 EGO 0.0 0.0 0.1 0.2 0.0 0.8* 0.0 0.0 0.0 0.0 0.1 2401 EGO 0.0 0.0 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 2401 EGO 0.0 0.0 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0			-0.0		-1.3*	-0.8*	-1.0*	-0.9*		
ESP	EGY	0.0			-0.2	-0.2	0.3			
ETH 0.0 0.3 2.3** 0.2 0.1 0.0 0.8** 0.0 0.1 1.02 0.1 0.0 0.8** 0.0 0.1 1.02 0.1 0.0 0.8** 0.0 0.1 1.02 0.1 0.0 0.8** 0.0 0.1 1.02 0.1 0.0 0.5** 0.5** 0.5** 0.5** 0.1 0.1 0.2 0.1 0.0 0.1 0.2 0.1 0.1		0.0		-0.4	-0.4*	-0.2	-0.2	-0.3+	-0.3+	
GEO GHA 0.0 0.1 0.2 0.1 0.8 0.6 0.6 0.5 0.5 0.5 0.5 0.1 0.2 0.2 0.2 0.2 0.2 0.3 0.3 0.1 0.3 0.4 0.4 0.3 0.4 0.3 0.4 0.4 0.3 0.4 0.4 0.3 0.4 0.4 0.3 0.4 0.4 0.5 0.4 0.4 0.5 0.4 0.4 0.5 0.5 0.6 0.6 0.3 0.4 0.3 0.4 0.3 0.4 0.4 0.3 0.4 0.4 0.3 0.4 0.4 0.3 0.4 0.4 0.3 0.4 0.4 0.3 0.4 0.4 0.5 0.4 0.4 0.4 0.5 0.4 0.4 0.5 0.6 0.6 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8		0.0		2.3*	0.2	-2.0*	-0.2		0.2	1017
GHA O.0 O.4* O.8* O.6* O.6* O.6* O.5+ O.1 O.0 O.0 O.1 O.2 O.1 O.2 O.1 O.0 O.0 O.2 O.3 O.1 O.4 O.5* O.5* O.4 O.5* O.4 O.5* O.5* O.4 O.5* O.5* O.4 O.5* O.5* O.5* O.4 O.5* O.5* O.5* O.4 O.5* O.5* O.4 O.5* O.5* O.5* O.4 O.5* O.5* O.5* O.5* O.4 O.5* O.5* O.4 O.5* O.5* O.5* O.5* O.5* O.6 O.7 O.7 O.2 O.1 IIVA O.0 O.0 O.0 O.0 O.0 O.0 O.0 O.	GEO	0.0		0.2	0.1	-0.0	0.8*	0.0	0.1	2401
HUN 0.0 0.1 0.2 0.1 0.2 0.1 0.4 0.2 0.1 0.4 0.2 0.1 0.4 0.2 0.1 0.4 0.2 0.1 0.4 0.2 0.1 0.4 0.2 0.1 0.4 0.2 0.1 0.4 0.2 0.1 0.4 0.2 0.4 0.3 0.8 0.8 0.8 0.0 0.0 0.1 0.2 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.4 0.5 0.6 0.7 0.1 1123 117A 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	GHA	0.0	0.4*	0.8*		0.6*	0.5+	0.3	0.2	2572
IND	HUN	0.0	0.1	0.2	-0.1	0.2	-0.1	0.0	-0.4	887
IND		0.0	-0.2	-0.3	-0.1	0.4	0.2	-0.1	-0.1	2056
IRN		0.0	0.1	-0.2*	0.5*	0.4*	-0.5*	-0.4*	0.3*	
ITA		0.0					-0.9	-0.7*	-0.2	
JOR KAZ 0.0 -0.5* -0.6* -0.3 -0.1 0.2 0.2 -0.2 0.0 -0.2 2089 KAZ 0.0 0.0 -0.5* -0.6* -0.3 -0.1 -0.5+ -0.4* -0.7* 1497 KGZ 0.0 0.0 0.0 -0.5 -0.5 -0.3 -0.2 0.2 0.2 0.2 0.2 0.3* 2293 LBN 0.0 0.0 0.5 -0.5 -0.3 0.1 -0.4 -0.2 -0.2 0.2 731 LTU 0.0 0.6 0.3 0.4 0.3 -0.4 0.4+ 0.3 750 LVA 0.0 0 -0.2 0.3 -0.1 -0.1 -0.3 -0.5+ -0.7* 963 MAR 0.0 0.0 1.1 -0.2 0.0 -0.0 -0.0 0.0 0.0 -0.2 845 MDA MDA 0.0 0.4* 0.5* 0.5* 0.6* 2.9* 0.7* 0.4* 2478 MEX 0.0 0.1 0.0 0.5 -0.0 0.0 0.0 -0.0 0.0 0.0 0.0 0.2 845 MKD MKD 0.0 0.5+ -0.3 -0.6+ -0.1 0.1 1.3* 0.1 1385 MYS 0.0 0.1 0.1 0.0 0.0 -0.0 -0.0 0.1 1.3* 0.1 1385 MYS NGA NGA NGA NGA NO 0.0 0.1 0.5 -0.0 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 0.1 0.5 -0.0 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 0.1 0.5 PER 0.0 0.0 0.5 -0.0 0.3 0.3 0.2 0.4 0.3 30 PER NO PER 0.0 0.0 0.5 0.0 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 0.1 0.5 PER 0.0 0.0 0.2 -0.5 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		0.0				0.3	-0.2	-0.4	-0.1	1123
JOR KAZ 0.0 -0.5* -0.6* -0.3 -0.1 0.2 0.2 -0.2 0.0 -0.2 2089 KAZ 0.0 0.0 -0.5* -0.6* -0.3 -0.1 -0.5+ -0.4* -0.7* 1497 KGZ 0.0 0.0 0.0 -0.5 -0.5 -0.3 -0.2 0.2 0.2 0.2 0.2 0.3* 2293 LBN 0.0 0.0 0.5 -0.5 -0.3 0.1 -0.4 -0.2 -0.2 0.2 731 LTU 0.0 0.6 0.3 0.4 0.3 -0.4 0.4+ 0.3 750 LVA 0.0 0 -0.2 0.3 -0.1 -0.1 -0.3 -0.5+ -0.7* 963 MAR 0.0 0.0 1.1 -0.2 0.0 -0.0 -0.0 0.0 0.0 -0.2 845 MDA MDA 0.0 0.4* 0.5* 0.5* 0.6* 2.9* 0.7* 0.4* 2478 MEX 0.0 0.1 0.0 0.5 -0.0 0.0 0.0 -0.0 0.0 0.0 0.0 0.2 845 MKD MKD 0.0 0.5+ -0.3 -0.6+ -0.1 0.1 1.3* 0.1 1385 MYS 0.0 0.1 0.1 0.0 0.0 -0.0 -0.0 0.1 1.3* 0.1 1385 MYS NGA NGA NGA NGA NO 0.0 0.1 0.5 -0.0 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 0.1 0.5 -0.0 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 0.1 0.5 PER 0.0 0.0 0.5 -0.0 0.3 0.3 0.2 0.4 0.3 30 PER NO PER 0.0 0.0 0.5 0.0 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 0.1 0.5 PER 0.0 0.0 0.2 -0.5 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	ITA	0.0		-0.0	-0.4	-0.5+	-0.5	-0.7*	-0.2	585
KGZ LBN 0.0 -0.5 -0.5 -0.3 0.1 -0.4 -0.2 -0.2 -0.7 731 LTU 0.0 0.6 0.3 0.4 0.3 -0.4 0.4 -0.2 -0.7 731 LTU 0.0 0.0 -0.5 -0.5 -0.3 0.1 -0.1 -0.4 0.4 -0.2 -0.7 963 MAR 0.0 -0.1 -0.2 0.3 -0.1 -0.1 -0.3 -0.5 -0.7 963 MAR 0.0 0 -0.1 -0.2 0.0 -0.0 -0.0 0.0 -0.0 -0.2 845 MEX 0.0 0 0.1 0.0 0.5 0.5 0.6 -2.9 0.7 0.4 2478 MEX 0.0 0.1 0.0 0.5 -0.3 -0.6 -0.0 -0.1 -0.0 -0.1 3544 MKD 0.0 0.5 -0.3 -0.6 -0.1 0.1 -0.1 -0.2 0.3 -0.1 1.385 MYS 0.0 0.1 0.1 0.1 0.2 0.3 -0.1 0.1 1.3 0.1 1385 NGA 0.0 0.5 -0.0 0.3 0.3 -0.1 0.1 0.1 -0.4 1541 NGA NZL 0.0 0 0.5 -0.0 0.3 0.3 0.1 0.1 0.1 -0.4 1541 NZL 0.0 0 0.0 0.5 -0.0 0.3 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 0.1 0.5 0.0 0.1 0.5 0.0 0.1 0.4 0.4 0.4 0.4 0.4 0.5 0.2 0.4 0.3 0.3 0.3 0.3 0.0 0.0 0.0 0.0 0.0 0.0		0.0		-0.1	0.2	0.2	-0.2	0.0	-0.2	2089
LVA MAR 0.0 -0.1 -0.2 0.3 -0.1 -0.1 -0.3 -0.5+ -0.7* 963 MDA 0.0 -0.1 -0.2 0.0 -0.0 -0.0 0.0 -0.0 0.0 -0.2 845 MDA 0.0 0.4* 0.5* 0.5* 0.6* -2.9* 0.7* 0.4* 2478 MEX 0.0 0.1 0.0 0.0 -0.0 -0.1 -0.0 -0.1 -0.0 -0.1 3544 MKD 0.0 0.5+ -0.3 -0.6+ -0.1 0.1 1.3* 0.1 1385 MYS 0.0 0.1 0.1 0.1 0.2 0.3 -0.1 0.1 0.1 -0.4+ 1541 NGA NZL 0.0 0.5 -0.0 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 0.1 0.5 -0.0 0.3 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 0.1 0.5 0.0 0.1 0.5 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	KAZ	0.0			-0.3	-0.1	-0.5+	-0.4*	-0.7*	
LVA MAR 0.0 -0.1 -0.2 0.3 -0.1 -0.1 -0.3 -0.5+ -0.7* 963 MDA 0.0 -0.1 -0.2 0.0 -0.0 -0.0 0.0 -0.0 0.0 -0.2 845 MDA 0.0 0.4* 0.5* 0.5* 0.6* -2.9* 0.7* 0.4* 2478 MEX 0.0 0.1 0.0 0.0 -0.0 -0.1 -0.0 -0.1 -0.0 -0.1 3544 MKD 0.0 0.5+ -0.3 -0.6+ -0.1 0.1 1.3* 0.1 1385 MYS 0.0 0.1 0.1 0.1 0.2 0.3 -0.1 0.1 0.1 -0.4+ 1541 NGA NZL 0.0 0.5 -0.0 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 0.1 0.5 -0.0 0.3 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 0.1 0.5 0.0 0.1 0.5 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	KGZ	0.0	0.0		-0.2	-0.2	0.2	0.2	-0.3*	
LVA MAR 0.0 -0.1 -0.2 0.3 -0.1 -0.1 -0.3 -0.5+ -0.7* 963 MDA 0.0 -0.1 -0.2 0.0 -0.0 -0.0 0.0 -0.0 0.0 -0.2 845 MDA 0.0 0.4* 0.5* 0.5* 0.6* -2.9* 0.7* 0.4* 2478 MEX 0.0 0.1 0.0 0.0 -0.0 -0.1 -0.0 -0.1 -0.0 -0.1 3544 MKD 0.0 0.5+ -0.3 -0.6+ -0.1 0.1 1.3* 0.1 1385 MYS 0.0 0.1 0.1 0.1 0.2 0.3 -0.1 0.1 0.1 -0.4+ 1541 NGA NZL 0.0 0.5 -0.0 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 0.1 0.5 -0.0 0.3 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 0.1 0.5 0.0 0.1 0.5 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		0.0		-0.5	-0.3	0.1	-0.4	-0.2		731
MAR 0.0 -0.1 -0.2 0.0 -0.0 -0.0 -0.2 845 MDA 0.0 0.4* 0.5* 0.6* -2.9* 0.7* 0.4* 2478 MEX 0.0 0.1 0.0 0.0 -0.0 -0.1 -0.0 -0.1 3544 MKD 0.0 0.5* -0.0 0.6* -0.1 0.1 1.3* 0.1 13854 MYS 0.0 0.5* -0.0 0.3 -0.3 0.1 0.1 1.3* 0.1 1.385 MYS 0.0 0.1 0.1 0.2 0.3 0.1 0.1 0.4* 0.4* 0.3 4488 NZL 0.0 0.5 -0.0 0.1 0.0 0.0 0.1 0.0 </td <td></td> <td>0.0</td> <td></td> <td>0.3</td> <td>0.4</td> <td>0.3</td> <td>-0.4</td> <td>0.4+</td> <td>0.3</td> <td>750</td>		0.0		0.3	0.4	0.3	-0.4	0.4+	0.3	750
MDA 0.0 0.4* 0.5* 0.5* 0.6* -2.9* 0.7* 0.4* 2478 MEX 0.0 0.1 0.0 0.0 -0.0 -0.1 -0.0 -0.1 3544 MKD 0.0 0.5+ -0.3 -0.6+ -0.1 0.1 1.3* 0.1 1385 MYS 0.0 0.1 0.1 0.2 0.3 -0.1 0.1 -0.4+ 1541 NGA 0.0 0.5 -0.0 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 0.1 0.5 0.0 0.1 -0.2 0.0 -0.2 0.4 0.3 0.3 90 PER 0.0 0.1 0.5 0.0 0.1 0.4 0.4* -0.6 1026 POL 0.0 -0.1 0.1 -0.1 -0.2 0.0 -0.1 -0.2 2.2 0.5* -0.4* 0.4* 0.2 2.2 35		0.0		0.3		-0.1	-0.3			963
MEX 0.0 0.1 0.0 0.0 -0.0 -0.1 -0.0 -0.1 3544 MKD 0.0 0.5+ -0.3 -0.6+ -0.1 0.1 1.38* 0.1 1385 MYS 0.0 0.1 0.1 0.2 0.3 -0.1 0.1 -0.4+ 1541 NGA 0.0 0.5 -0.0 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 -0.2 0.0 -0.1 -0.0 -0.2 417 PAK 0.0 0.1 0.5 0.3 0.4 0.4* 0.0 10.6 1026 PHL 0.0 -0.2 0.5 0.0 0.1 0.4 0.4* 0.5 2294 2294 2294 20 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		0.0		-0.2			-0.0	0.0		
MKD MYS 0.0 0.1 0.1 0.1 0.2 0.3 0.3 0.2 0.4 0.4 0.3 4488 NZL 0.0 0.0 0.5 0.0 0.0 0.5 0.0 0.0 0.0 0.0		0.0		0.5*	0.5*		-2.9*	0.7*	0.4*	2478
NGA NZL 0.0 0.5 -0.0 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 -0.2 0.0 -0.1 -0.0 -0.2 2 417 PAK 0.0 0.1 0.5	MICD	0.0		0.0	0.0			-0.0		
NGA NZL 0.0 0.5 -0.0 0.3 0.3 0.2 0.4 0.3 4488 NZL 0.0 -0.2 0.0 -0.1 -0.0 -0.2 2 417 PAK 0.0 0.1 0.5	MYS	0.0	0.5+	-0.3	-0.0+	-0.1	0.1	0.1	0.1	1585
PAK PER O.0 O.0 O.1 O.2 O.5 O.0		0.0	0.1	0.1	0.2		-0.1	0.1	-U.4+ 0.2	1341
PAK PER O.0 O.0 O.1 O.2 O.5 O.0	N7I	0.0	0.5	-0.0	0.3		-0.2 -0.0	-0.4	0.3	4400 417
PHL POL 10.0 -0.1 -0.1 -0.2 -0.7* -0.2 -0.5* -0.0 -0.1 -0.2 -0.5* -0.2 -0.5* -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.5 -0.2 -0.3 -0.4 -0.3 -0.4 -0.3 -0.4 -0.3 -0.4 -0.3 -0.4 -0.3 -0.4 -0.3 -0.3 -0.4 -0.3 -0.3 -0.4 -0.3 -0.3 -0.3 -0.1 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.1 -0.3 -0.3 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1	PAK	0.0	0.1	0.5	0.0	-0.1	-0.0	0.2	0.3	900
PHL POL 10.0 -0.1 -0.1 -0.2 -0.7* -0.2 -0.5* -0.0 -0.1 -0.2 -0.5* -0.2 -0.5* -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.2 -0.5 -0.2 -0.5 -0.2 -0.3 -0.4 -0.3 -0.4 -0.3 -0.4 -0.3 -0.4 -0.3 -0.4 -0.3 -0.4 -0.3 -0.3 -0.4 -0.3 -0.3 -0.4 -0.3 -0.3 -0.3 -0.1 -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 -0.1 -0.3 -0.3 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1		0.0	-0.2	-0.5	0.0	0.1	0.4	0.4*	-0.6	
POL	PHL		0.0		-0.2	0.5	0.3	0.4	0.5	2294
ROU	POL	0.0	-0.1	0.1	-0.1	-0.2	0.0	-0.1	-0.2	1533
RWA SRB 0.0 0.2 0.0 0.2 0.0 0.2 0.1 0.3+ 0.3+ 0.3+ 0.3+ 0.3* 2539 SVN 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.				-0.2	-0.7*	-0.2	-0.5*	-0.2	0.2	3568
RWA SRB 0.0 0.2 0.0 0.2 0.0 0.2 0.1 0.3+ 0.3+ 0.3+ 0.3+ 0.3* 2539 SVN 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	RUS			0.4*	0.3	0.4*	0.3+	0.4*	0.4*	3253
SRB 0.0 0.2 -0.0 0.2 0.1 0.3+ 0.3+ -0.3* 2539 SVN 0.0 -0.0 0.2 0.6* 0.2 -0.0 -0.0 -0.3 1620 SWE 0.0 -0.8* -0.1 0.1 -0.0 -0.1 -0.1 -0.1 1769 THA 0.0 0.3* 0.3* 0.2 -0.2 0.0 1.0* 0.1 2178 TUN 0.0 -0.4 -0.2 -0.4 -0.1 826 0.1 0.1 2985 URY 0.0 0.4* 0.2 0.4* 0.0 0.2 0.1 0.1 2985 URY 0.0 -0.5+ -0.3 -0.1 0.0 -0.3 1.2* -0.3 2017 USA 0.0 -0.2 -0.2 -0.1 -0.1 -0.3* -0.3+ -0.4* 3372 UZB 0.0 0.3* 0.3 0.3 -0.1 -0.5 0.2 -0.2 1247 VEN 0.0 0.1 -0.0	RWA	0.0		-1.6*	-1.2*	-1.1*	-1.4*	-1.1*	-1.0*	2398
SVN 0.0 -0.0 0.2 0.6* 0.2 -0.0 -0.0 -0.3 1620 SWE 0.0 -0.8* -0.1 0.1 -0.0 -0.1 -0.1 -0.1 1769 THA 0.0 0.3* 0.3* 0.2 -0.2 0.0 1.0* 0.1 2178 TUN 0.0 -0.4 -0.2 -0.4 -0.1 826 <	SRB	0.0	0.2	-0.0	0.2	0.1	0.3+	0.3+	-0.3*	2539
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SVN	0.0	-0.0	0.2	0.6*	0.2		-0.0	-0.3	1620
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SWE	0.0	-0.8*	-0.1	0.1	-0.0	-0.1	-0.1	-0.1	1769
TUN 0.0 -0.4 -0.2 -0.4 -0.1 826 UKR 0.0 0.4* 0.2 0.4* 0.0 0.2 0.1 0.1 2985 URY 0.0 -0.5+ -0.3 -0.1 0.0 -0.3 1.2* -0.3 2017 USA 0.0 -0.2 -0.2 -0.1 -0.1 -0.3* -0.3+ -0.4* 3372 UZB 0.0 0.3* 0.3 0.3 -0.1 -0.5 0.2 -0.2 1247 VEN 0.0 1.6 -0.9 -0.2 -0.4 -0.6 -0.9 -0.1 1034 VNM 0.0 0.1 -0.0 0.4+ -0.1 1.0* 0.1 -1.4* 2039 ZAF 0.0 -0.5* 0.3 0.2 0.3+ -0.0 0.3+ -0.0 5330 ZWE 0.0 0.1 0.4+ -0.3 0.2 0.2 0.3+ -0.0 2.3+ -0.0 5330	THA	0.0	0.3*	0.3*	0.2	-0.2				2178
USA 0.0 -0.2 -0.2 -0.1 -0.1 -0.3* -0.3+ -0.4* 3372 UZB 0.0 0.3* 0.3 0.3 -0.1 -0.5 0.2 -0.2 1247 VEN 0.0 1.6 -0.9 -0.2 -0.4 -0.6 -0.9 -0.1 1034 VMM 0.0 0.1 -0.0 0.4+ -0.1 1.0* 0.1 -1.4* 2039 ZAF 0.0 -0.5* 0.3 0.2 0.3+ -0.0 0.3+ -0.0 5330 ZWE 0.0 0.1 0.4+ -0.3 0.2 0.2 0.3+ 0.2 0.3+ 0.2 1487	TUN	0.0		-0.2	-0.4	-0.1				826
USA 0.0 -0.2 -0.2 -0.1 -0.1 -0.3* -0.3+ -0.4* 3372 UZB 0.0 0.3* 0.3 0.3 -0.1 -0.5 0.2 -0.2 1247 VEN 0.0 1.6 -0.9 -0.2 -0.4 -0.6 -0.9 -0.1 1034 VMM 0.0 0.1 -0.0 0.4+ -0.1 1.0* 0.1 -1.4* 2039 ZAF 0.0 -0.5* 0.3 0.2 0.3+ -0.0 0.3+ -0.0 5330 ZWE 0.0 0.1 0.4+ -0.3 0.2 0.2 0.3+ 0.2 0.3+ 0.2 1487	UKR	0.0		0.2	0.4*	0.0	0.2	0.1	0.1	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	URY	0.0		-0.3			-0.3	1.2*		
VEN 0.0 1.6 -0.9 -0.2 -0.4 -0.6 -0.9 -0.1 1034 VMM 0.0 0.1 -0.0 0.4+ -0.1 1.0* 0.1 -1.4* 2039 ZAF 0.0 -0.5* 0.3 0.2 0.3+ -0.0 0.3+ -0.0 5330 ZWE 0.0 0.1 0.4+ -0.3 0.2 0.2 0.3+ 0.2 0.3+ 0.2 1487	USA	0.0					-0.3*	-0.3+	-0.4*	3372
VEN 0.0 1.6 -0.9 -0.2 -0.4 -0.6 -0.9 -0.1 1034 VMM 0.0 0.1 -0.0 0.4+ -0.1 1.0* 0.1 -1.4* 2039 ZAF 0.0 -0.5* 0.3 0.2 0.3+ -0.0 0.3+ -0.0 5330 ZWE 0.0 0.1 0.4+ -0.3 0.2 0.2 0.3+ 0.2 0.3+ 0.2 1487	UZB	0.0		0.3	0.3		-0.5	0.2		1247
VNM 0.0 0.1 -0.0 0.4+ -0.1 1.0* 0.1 -1.4* 2039 ZAF 0.0 -0.5* 0.3 0.2 0.3+ -0.0 0.3+ -0.0 5330 ZWE 0.0 0.1 0.4+ -0.3 0.2 0.2 0.3+ 0.2 1487	VEN	0.0	1.6	-0.9	-0.2	-0.4	-0.6		-0.1	1034
ZWE 0.0 0.1 0.4+ -0.3 0.2 0.2 0.3+ 0.2 1487		0.0			0.4+	-0.1				2039
					0.2	0.3+		0.3+		5330
		0.0	0.1	0.4+	-0.3	0.2	0.2	0.3+	0.2	1487

* p<0.05, + p<0.1; robust std err

Table 24: exT-3

this one should be in appendix: 2 out of 10 again, but not rporting this this is oversaturated and missing most countries

Table 25: .

		F F001	5001	
4.0.0	-5	5-500k	500k-	N
ARG	0.0	-0.0	0.1	845
AUS	0.0	0.0	-0.1	925
AZE	0.0	0.1	0.4*	958
BLR	0.0	-0.3*	-0.0	1254
BRA	0.0	-0.1	-0.4+	1154
CHL	0.0	-0.6*	-0.6*	797
CHN		0.0	-0.2*	1175
COL		0.0	0.0	1353
DEU	0.0	-0.2*	-0.2	1832
DZA	0.0	-0.4+		732
ECU	0.0	-0.9*	-0.8*	1182
GEO	0.0	0.2	0.4*	1157
GHA	0.0	0.2+		1434
IND	0.0	0.0	-0.4	2507
IRQ	0.0	-0.1	-0.2	947
JOŘ	0.0	-0.1		1124
KAZ	0.0	-0.0	-0.3*	1443
KGZ	0.0	-0.1	-0.0	1225
LBN	0.0	0.1	0.2	692
MEX	0.0	-0.1	-0.2+	1811
MYS	0.0	-0.5	-1.4*	390
NGA	0.0	-0.1	0.0	1576
NLD	0.0	-0.7*	-0.5+	1448
NZL	0.0	-0.0		408
PER	0.0	0.3+	-0.7	1018
PHL	0.0	0.6	0.5	1142
POL	0.0	0.0	-0.2	793
ROU	0.0	-0.2	0.0	1323
RUS	0.0	-0.1	0.0	1665
RWA	0.0	-0.6*	-0.4	1251
SVN	0.0	0.2+	-0.4	807
SWE	0.0	0.0	0.1	981
THA	0.0	-0.3*		922
TUN	0.0	0.1		822
UKR	0.0	-0.3*	-0.1	1308
URY	0.0	0.1	0.1	465
UZB	0.0	0.1	-0.1	1179
ZAF	0.0	0.3*		3058
ZWE	0.0	0.2	0.2	1478
* p<0.05. + p<0.1: robust std err				

Table 26: exT3-4

so i think start with exT4-2 clean and easy and simple; then exT-3 to show detail and robustness

TODO meh yeah i guess drop this first table!!! note that all developed countres are less happy in cities, AUS (insiginifacnt but sig in next table (todocheck!)

Table 27: .

	-10	10-50k	50-500k	500k-	N
ALB	0.0	-0.3*	-0.1	-0.0	1864
ARG	0.0	0.2	-0.2	0.1	955
AUŚ	0.0	0.1	-0.1	-0.1	3895
ΧZE	0.0	0.1	-0.2	0.2	995
BFA	0.0	-0.2	0.3	-0.4	636
BGD	0.0	-0.2	0.1	0.9*	2562
BGR	0.0	0.0	0.1	-0.1	1637
BLR	0.0	0.0	-0.0	0.0	3394
BRA	0.0	-0.2	-0.5*	-0.5*	3780
CAN	0.0	-0.2	-0.2*	-0.5*	3320
			-0.2*		
CHL	0.0	0.5	-0.7*	-0.6*	3823
CHN	0.0	0.2	0.3*	0.1	4371
COL	0.0	0.2	0.1	-0.0	4376
DEU	0.0	-0.2*	-0.0	0.0	5137
DZA	0.0	0.3+	0.0	-0.1	1806
CU	0.0	-0.5	-0.6*	-0.5+	1187
GY	0.0	-0.2	-0.0	-0.8*	3466
SP	0.0	0.1	-0.0	-0.2+	1652
TH	0.0	-1.8*	-0.2	-0.4	1246
GEO	0.0	-0.0	0.0	0.1	2602
GHA	0.0	0.3*	0.1	-0.2	2602
HUN	0.0	-0.1	-0.0	-0.6*	952
DN	0.0	-0.1 0.2+	0.1	0.1	2459
ND	0.0		-0.4*	0.5*	
		0.5*			6931
RN	0.0	0.3	-0.5*	0.1	2208
RQ	0.0	0.2	-0.4*	-0.2	1233
TA	0.0	-0.3*	-0.5*	0.0	639
JOR	0.0	0.2*	0.1	-0.1	2137
KAZ	0.0	0.4*	-0.0	-0.3*	1497
KGZ	0.0	-0.3	0.3*	-0.5*	2427
KWT	0.0	-0.4	0.5*	0.1	953
LBN	0.0	0.1	0.1	-0.2	898
LTU	0.0	0.2	0.3	0.5+	889
LVA	0.0	-0.2	-0.5*	-0.7*	1119
MAR	0.0	0.2	0.2	-0.2	888
MDA	0.0	0.1	0.1	0.2	2740
MEX	0.0	0.0	-0.1	-0.3*	3782
MKD MYS	0.0 0.0	-0.3+	0.1	-0.2	1600
	0.0	0.3+	0.1	-0.2	1559
NGA	0.0	0.1	0.1	0.1	4628
NZL	0.0	0.2	-0.2		625
PAK	0.0		0.3	0.4*	1131
PER	0.0	0.2	0.7*	-0.3	1122
PHL	0.0	0.2 -0.2	-0.1	0.1	2343
POL	0.0		-0.0	-0.3+	2683
ROU	0.0	-0.3*	-0.1	0.3*	3966
RUS	0.0	0.2+	0.1	0.2*	3999
RWA	0.0	-0.1	-0.3*	0.3	2432
SRB	0.0	-0.1	0.3*	-0.5*	3128
SVN	0.0	0.2+	0.1	-0.3	1896
SWE	0.0	0.2	0.1	0.1	1888
ГНА	0.0	0.2 -0.2	0.1	0.0	2387
ΓUN	0.0	-0.2	0.1	0.0	901
			-0.2*	-0.2*	
JKR	0.0	0.0			3593
JRY	0.0	0.3*	0.2	0.1	2511
JSA	0.0	0.0	-0.2*	-0.2*	3493
JZB	0.0	-0.0	0.0	-0.3*	1407
√EN	0.0	-0.5	-0.8*	-0.1	1111
VNM	0.0	0.3*	-0.0	-0.5	2330
ZAF	0.0	0.3*	0.3*	0.1	5575
ZWE	0.0	-0.1	0.1	-0.0	1492

p<0.1; robust std err **Table 28:** exT4-2 OLS regressions of swb on place size, controls (not shown) are: enumerate

in atble ?? several appear happier like BGD, IND, LTU, PAK, ROU, and RUS, when adding more controls and full town cat that disappers except for 4 ctrioes

Results in table ?? are remarkable. In most countries large cities are less happy than small settlements. Remarkably, without exception, in no developed country city is happier than smallest areas. The only four countries where people ar ehappier in large cities are:

Table 29: .

	21.	2 EL	E 10L	10.201	20 501	EO 100k	100 5001	FOOL	N
ALB	-2k 0.0	2-5k 0.2	5-10k -0.5*	10-20k -0.6*	20-50k -0.4*	50-100k -0.5*	100-500k 0.0	500k- 0.4*	N 1582
ARG	0.0	0.2 0.6+	-0.0	0.0	0.3	-0.5	-0.3	0.4	855
AUS	0.0	0.0	-0.2	0.1	0.0	-0.1	-0.0	-0.1	3728
AZE	0.0	0.0	-0.5	-0.2	0.3	-0.0	-0.1	0.3	964
BFA	0.0	0.3	0.7+	0.1	0.6+	0.8+	0.8	0.2	567
BGD	0.0	-0.8*	-0.6*	-1.0*	-0.8*	-0.5*	-0.6*	-0.0	2104
BGR	0.0	0.4*	0.3	0.3	0.1	-0.1	0.2	-0.3+	1229
BLR	0.0	0.5*	-0.3	0.1	-0.0	0.1	-0.1	-0.0	2815
BRA	0.0	-0.6+	-0.2	-0.6+	-0.6*	-0.7*	-0.9*	-0.9*	3576
CAN	0.0	-0.1	-0.1	-0.1	-0.2	-0.3*	-0.1	-0.4*	3177
CHL	0.0	0.8+	0.3	0.8	1.1*	-0.2	-0.3	-0.3	3527
CHN	0.0	0.0	0.0	0.1	-0.4	-0.4	-0.3	-0.7	2005
COL			0.0	0.5	-0.0	0.2	-0.1	-0.1	1376
DEU	0.0	-0.0	-0.0	-0.2+	-0.2*	-0.1	-0.1	-0.0	4795
DZA	0.0	1.6*	-0.6*	-0.2	-0.1	-0.4	-0.4+	-0.5	1596
ECU	0.0	-0.0	-1.0	-1.3*	-0.8*	-1.0*	-0.9*	-0.8*	1182
EGY	0.0	0.4	-0.1	-0.2	-0.2	0.3	-0.4	-0.8*	3428
ESP	0.0	-0.4+	-0.4	-0.4*	-0.2	-0.2	-0.3+	-0.3+	1487
ETH	0.0	-0.3	2.3*	0.2	-2.0*	-0.2	0.4	0.2	1017
GEO	0.0	0.1	0.2	0.1	-0.0	0.8*	0.0	0.1	2401
GHA	0.0	0.4*	0.8*	0.6*	0.6*	0.5+	0.3	0.2	2572
HUN	0.0	0.1	0.2	-0.1	0.2	-0.1	0.0	-0.4	887
IDN	0.0	-0.2	-0.3	-0.1	0.4	0.2	-0.1	-0.1	2056
IND	0.0	0.1	-0.2*	0.5*	0.4*	-0.5*	-0.4*	0.3*	5857
IRN	0.0	-0.4*	-0.5*	-0.1	0.2	-0.9	-0.7*	-0.2	2119
IRQ	0.0	-0.0	-1.0	-0.4	0.3	-0.2	-0.4	-0.1	1123
ITÀ	0.0	-0.5+	-0.0	-0.4	-0.5+	-0.5	-0.7*	-0.2	585
JOR	0.0	-0.0	-0.1	0.2	0.2	-0.2	0.0	-0.2	2089
KAZ	0.0	-0.5*	-0.6*	-0.3	-0.1	-0.5+	-0.4*	-0.7*	1497
KGZ	0.0	0.0	-0.3	-0.2	-0.2	0.2	0.2	-0.3*	2293
LBN	0.0	-0.5	-0.5	-0.3	0.1	-0.4	-0.2	-0.2	731
LTU	0.0	0.6	0.3	0.4	0.3	-0.4	0.4+	0.3	750
LVA	0.0	-0.2	0.3	-0.1	-0.1	-0.3	-0.5+	-0.7*	963
MAR	0.0	-0.1	-0.2	0.0	-0.0	-0.0	0.0	-0.2	845
MDA	0.0	0.4*	0.5*	0.5*	0.6*	-2.9*	0.7*	0.4*	2478
MEX	0.0	0.1	0.0	0.0	-0.0	-0.1	-0.0	-0.1	3544
MKD	0.0	0.5+	-0.3	-0.6+	-0.1	0.1	1.3*	0.1	1385
MYS	0.0	0.1	0.1	0.2	0.3	-0.1	0.1	-0.4+	1541
NGA	0.0	0.5	-0.0	0.3	0.3	0.2	0.4	0.3	4488
NZL	0.0		-0.2	0.0	-0.1	-0.0	-0.2		417
PAK	0.0	0.1	0.5				0.3	0.3	900
PER	0.0	-0.2	-0.5	0.0	0.1	0.4	0.4*	-0.6	1026
PHL		0.0	0.1	-0.2	0.5	0.3	0.4	0.5	2294
POL	0.0	-0.1	0.1	-0.1	-0.2	0.0	-0.1	-0.2	1533
ROU	0.0	-0.1	-0.2	-0.7*	-0.2	-0.5*	-0.2	0.2	3568
RUS	0.0	0.5*	0.4*	0.3	0.4*	0.3+	0.4*	0.4*	3253
RWA	0.0	-0.7	-1.6*	-1.2*	-1.1*	-1.4*	-1.1*	-1.0*	2398
SRB	0.0	0.2	-0.0	0.2	0.1	0.3+	0.3+	-0.3*	2539
SVN	0.0	-0.0	0.2	0.6*	0.2	-0.0	-0.0	-0.3	1620
SWE	0.0	-0.8*	-0.1	0.1	-0.0	-0.1	-0.1	-0.1	1769
THA	0.0	0.3*	0.3*	0.2	-0.2	0.0	1.0*	0.1	2178
TUN	0.0	-0.4	-0.2	-0.4	-0.1	0.0	0.1	0.1	826
UKR	0.0	0.4*	0.2	0.4*	0.0	0.2	0.1	0.1	2985
URY	0.0	-0.5+	-0.3	-0.1	0.0	-0.3	1.2*	-0.3	2017
USA	0.0	-0.2	-0.2	-0.1	-0.1	-0.3*	-0.3+	-0.4*	3372
UZB	0.0	0.3*	0.3	0.3	-0.1	-0.5	0.2	-0.2	1247
VEN	0.0	1.6	-0.9	-0.2	-0.4	-0.6	-0.9	-0.1	1034
VNM	0.0	0.1	-0.0	0.4+	-0.1	1.0*	0.1	-1.4*	2039
ZAF	0.0	-0.5*	0.3	0.2	0.3+	-0.0	0.3+	-0.0	5330
ZWE	0.0	0.1	0.4+	-0.3	0.2	0.2	0.3+	0.2	1487
*** p<0.001, ** p<0.01, * p<0.05, +									
p<0.1; robust std err									

Table 30: exT-3; note robustness chech results are in SOM.

and tehre is even one more elaborate model#4 in app with satfin and crime like about **todo count lol** 20/70 neg of all and nly 4/18 of sig are pos about 80 perc are neg :) or 5/21 in exT4-3

and the point is that the only ones that are sig and positive are wiers small poor and most miserable countries except india which is a big puzzle

TODO repreat it multiple times! TODO add NOR NLD so the conclusion is that in all develped countries AUS, CAN, DEU, ESP, ITA, NZL, SWE, USA, cities are less happy ¹⁶ in vast majority of countries effect in ngeative, only positive in these 4: russia, moldova and albania are all post soviet countries, they are likely to still be very centralized where power opportunity and resources are located in large cities; india is clearly an outlier here and we dont have a good explanation **[blind for peer review]**

The limitation of X049 is not only a low top bin for largest cities (500k+), but also about a thrird of values missing. Future research can focus on specific countries using other data or WVS data using X049CS variable, which has country specific sizes of places, which

¹⁶at least in less elaborate specs, but even in most elaborate even if insig, still neg

however are not directly or easily comparable—bins differ across countries and in some cases place is names "major city", "Farm / Mountain / Fishing village," etc).

show distributuion of place size by country!

10.2.1 original 8 categories

10.2.2 0-5k v 500k+

yeah this is following berry, but better have 0-5 so that more obs lol

10.3 Crime and Cost of Living/financial satisfaction

missing obs but here as a robustness check

TO WHERE I HAVE WE NEED TO CONTROL FOR CRIME: Urban unhappiness is not only due to urban problems such as crime and poverty. Cities themselves, their core defining characteristics, size and density, are related to unhappiness (Okulicz-Kozaryn and Mazelis 2016).

yeh so one limitation is lack of crime; so bias on results cities wiuld be happier otherwhise

Table 31: .

	-10	10-50k	50-500k	500k-	N
ARG	0.0	0.2	-0.1	0.2	845
AUS	0.0	0.1	0.1	-0.1	925
AZE	0.0	0.3	0.2	0.4*	958
BLR	0.0	-0.2	-0.1	0.1	1254
BRA	0.0	-0.2	-0.2	-0.5*	1154
CHL	0.0	0.8*	-0.7*	-0.5*	797
CHN	0.0	0.0	0.0	-0.2*	1175
COL	0.0	0.1	0.0	0.1	1353
DEU	0.0	-0.2*	-0.0	-0.1	1832
DZA	0.0			-0.1	
		0.2 -0.7*	0.1	0.5*	732
ECU	0.0		-0.7*	-0.5*	1182
GEO	0.0	0.1	0.1	0.3*	1157
GHA	0.0	0.1	-0.2		1434
IND	0.0	0.2*	-0.3*	-0.4	2507
IRQ	0.0	0.1	-0.2+	-0.2	947
JOR	0.0	0.1	-0.2		1124
KAZ	0.0	0.2	-0.0	-0.2+	1443
KGZ	0.0	0.0	-0.1	0.0	1225
LBN	0.0	0.3+	-0.0	0.3	692
MEX	0.0	-0.1	-0.1	-0.2	1811
MYS	0.0	0.4	0.1	-0.8*	390
NGA	0.0	0.3+	0.0	0.3	1576
NLD	0.0	0.4	0.4	0.5	1448
NZL	0.0	0.1	0.0		408
PER	0.0	0.2	0.4*	-0.7	1018
PHL	0.0	0.4	0.6	0.5	1142
POL	0.0	0.0	0.0	-0.2	793
ROU	0.0	-0.1	-0.2	0.1	1323
RUS	0.0	-0.2	0.0	0.1	1665
RWA	0.0	-0.1	-0.1	0.2	1251
SVN	0.0	0.4*	-0.1	-0.5	807
SWE	0.0	0.1	0.0	0.1	981
THA	0.0	-0.5*	-0.3	*	922
TUN	0.0	0.0	0.0		822
UKR	0.0	-0.2	-0.3*	-0.1	1308
URY	0.0	0.2	-0.2	0.1	465
UZB	0.0	-0.0	0.1	-0.1	1179
ZAF	0.0	0.2	0.1	-0.1	3058
ZWE	0.0	0.1	0.0	0.1	1478
* p<0.05, + p<0.1; robust std err	0.0	0.1	0.0	0.1	1410
p < 0.05, $+ p < 0.1$; robust std err					

Table 32: exT4-4

Table 33: .

	-5	5-500k	500k-	N
ARG	0.0	-0.0	0.1	845
AUS	0.0	0.0	-0.1	925
AZE	0.0	0.1	0.4*	958
BLR	0.0	-0.3*	-0.0	1254
BRA	0.0	-0.1	-0.4+	1154
CHL	0.0	-0.6*	-0.6*	797
CHN		0.0	-0.2*	1175
COL		0.0	0.0	1353
DEU	0.0	-0.2*	-0.2	1832
DZA	0.0	-0.4+		732
ECU	0.0	-0.9*	-0.8*	1182
GEO	0.0	0.2	0.4*	1157
GHA	0.0	0.2+		1434
IND	0.0	0.0	-0.4	2507
IRQ	0.0	-0.1	-0.2	947
JOŘ	0.0	-0.1		1124
KAZ	0.0	-0.0	-0.3*	1443
KGZ	0.0	-0.1	-0.0	1225
LBN	0.0	0.1	0.2	692
MEX	0.0	-0.1	-0.2+	1811
MYS	0.0	-0.5	-1.4*	390
NGA	0.0	-0.1	0.0	1576
NLD	0.0	-0.7*	-0.5+	1448
NZL	0.0	-0.0		408
PER	0.0	0.3+	-0.7	1018
PHL	0.0	0.6	0.5	1142
POL	0.0	0.0	-0.2	793
ROU	0.0	-0.2	0.0	1323
RUS	0.0	-0.1	0.0	1665
RWA	0.0	-0.6*	-0.4	1251
SVN	0.0	0.2+	-0.4	807
SWE	0.0	0.0	0.1	981
THA	0.0	-0.3*	•	922
TUN	0.0	0.1		822
UKR	0.0	-0.3*	-0.1	1308
URY	0.0	0.1	0.1	465
UZB	0.0	0.1	-0.1	1179
ZAF	0.0	0.3*	J. 2	3058
ZWE	0.0	0.2	0.2	1478
* p<0.05, + p<0.1; robust std err	0.0			
p < 0.00, p < 0.1, 100005t 3td CII				

Table 34: exT3-4

Table 35: .

	01	0.51	F 101	10.00	00 50	FO 100I	100 500	E001	N
ARG	-2k 0.0	2-5k	5-10k	10-20k	20-50k	50-100k	100-500k	500k-	N 845
	0.0	0.6 0.0	0.0 -0.2	0.2 0.2	0.3 -0.0	0.0 0.0	-0.1 0.1	0.2 -0.1	925
AUS AZE	0.0	-0.1	-0.2 -0.4	-0.3		0.0	-0.0	-0.1 0.4+	925 958
	0.0	-0.1 -0.4	-0.4 -1.2*		0.5	-0.2			
BLR				-0.2	-0.3+		-0.2+	-0.0	1254
BRA	0.0	-0.5	-0.2	-0.4	-0.6+	-0.2	-0.7*	-0.8*	1154
CHL	0.0	0.8	-0.0	1.0+	1.1*	-0.5	-0.3	-0.2	797
CHN			0.0	0.2	0.1	0.0	0.0	-0.2*	1175
COL			0.0	0.3	-0.1	0.2	-0.0	0.0	1353
DEU	0.0	0.1	-0.1	-0.2	-0.3*	-0.2	0.0	-0.1	1832
DZA	0.0		-0.6*	-0.1	-0.3	-0.4	-0.2		732
ECU	0.0	-0.2	-1.0	-1.3*	-0.9*	-1.1*	-1.0*	-0.9*	1182
GEO	0.0	-0.1	0.3	0.4	-0.0	0.7	0.1	0.3*	1157
GHA	0.0	-0.1	0.2	0.1	0.2	-0.1	0.1		1434
IND	0.0	-0.2+	-0.2	0.2*	-0.6*	-0.5*	-0.2	-0.4	2507
IRQ		0.0			0.1	-0.3	-0.2	-0.2	947
JOR	0.0	0.1	-0.1	0.1	-0.0	-0.3			1124
KAZ	0.0	-0.5*	-0.5*	-0.1	-0.2	-0.5	-0.4*	-0.6*	1443
KGZ	0.0	-0.1	-0.2	-0.1	0.1		-0.2	-0.0	1225
LBN	0.0	-0.3	-0.4	-0.2	0.5	-0.3	-0.2	0.0	692
MEX	0.0	0.1	-0.1	0.0	-0.2	-0.1	-0.1	-0.2	1811
MYS	0.0	-0.8	-1.7+	-0.7	-0.9	-1.1	-1.1	-1.9*	390
NGA	0.0	0.4	-0.0	0.6+	0.3	0.1	0.2	0.4	1576
NLD		0.0	-1.2*	-0.6*	-0.6*	-0.7*	-0.6*	-0.5+	1448
NZL	0.0		-0.1	0.1	-0.1	0.0	-0.0		408
PER	0.0	-0.1	-0.5	0.1	0.1	0.3	0.4*	-0.7	1018
PHL		0.0	0.1	-1.2	0.4	0.7	0.6	0.5	1142
POL	0.0	-0.1	0.1	0.7+	-0.2	0.2	-0.0	-0.2	793
ROU	0.0	-0.6	-0.6	-0.9*	-0.4	-1.0*	-0.7+	-0.5	1323
RUS	0.0	0.5*	-0.0	-0.1	-0.1	0.3	0.1	0.2	1665
RWA		0.0	-0.9*	-0.6*	-0.5*	-0.7*	-0.5*	-0.3	1251
SVN	0.0	0.4*	0.3+	1.0*	0.4+	0.5	0.0	-0.4	807
SWE	0.0	-1.4*	-0.3	-0.0	-0.1	-0.2	-0.2	-0.2	981
THA	0.0	0.2	-0.1	-0.1	-0.6*	-0.2	-1.2*		922
TUN	0.0	0.4	0.4	0.4	0.4				822
UKR	0.0	0.2	-0.1	-0.3	-0.1	-0.3	-0.2	-0.0	1308
URY	0.0	-1.6*	-1.3*	-1.0+	-1.1+	-1.5*	-0.4	-1.2*	465
UZB	0.0	0.3*	0.2	0.3	-0.0	-0.5	0.3*	0.0	1179
ZAF	0.0	-0.3	0.5+	0.2	0.2	0.1			3058
ZWE	0.0	0.2	0.4+	-0.1	0.5*	0.2	0.2	0.3	1478
* p<0.05, + p<0.1; robust std err									

Table 36: exT-4

11 !!!PLAYING DROP THIS LATER

Table 37: .

	-10	10-50k	50-500k	500k-	N
ALB	0.0	-0.3*	-0.1	0.0	1864
AND	0.0	-0.2			931
ARG	0.0	0.2	-0.2	0.1	955
ARM	0.0	-0.2	-0.2	0.5	1057
AUS	0.0	0.1	-0.0	-0.0	3895
AZE	0.0	0.1	-0.2	0.2	995
BFA	0.0	-0.2	0.3	-0.4	636
BGD	0.0	0.1	0.3*	0.8*	2562
BGR	0.0	0.0	0.1	-0.1	1637
BIH	0.0	-0.6*	0.2*		2190
BLR	0.0	0.2+	0.1	-0.1	3394
BRA	0.0	-0.2	-0.5*	-0.6*	3780
CAN	0.0	-0.2	-0.2*	-0.4*	3320
CHE	0.0	-0.2	-0.0		926
CHL	0.0	0.5	-0.7*	-0.6*	3823
CHN	0.0	0.3*	0.4*	0.2	4371
COL	0.0	0.2	0.1	0.0	4376
CYP	0.0	-0.1	-0.0	-0.7	1931
DEU	0.0	-0.1*	-0.0	0.1	5137
DOM	0.0	1.5+	0.9	0.4	321
DZA	0.0	0.1	-0.1	-0.4	1806
ECU	0.0	-0.5	-0.6*	-0.5+	1187
EGY	0.0	-0.3*	0.1	-0.9*	3466
ESP	0.0	0.1	-0.0	-0.3+	1652
EST	0.0	-0.3+	-0.5*		1428
ETH	0.0	-1.8*	-0.2	-0.4	1246
GEO	0.0	0.1	0.0	0.1	2602
GHA	0.0	0.3*	0.1	-0.1	2602
HTI	0.0	-0.0	0.0	0.7	1584
HUN	0.0	-0.1	-0.0	-0.6*	952
IDN	0.0	0.2+	0.1	0.1	2459
IND	0.0	0.6*	-0.2*	0.3*	6931
IRN	0.0	0.3	-0.5*	0.1	2208
IRQ	0.0	0.6*	-0.0	0.0	1233
ITA	0.0	-0.3*	-0.5*	0.0	639
JOR	0.0	0.3*	-0.2	-0.4*	2137
KAZ	0.0	0.4*	-0.0	-0.3*	1497
KGZ	0.0	-0.3	0.3*	-0.5*	2427
KWT	0.0	-0.4	0.5*	0.1	953
LBN	0.0	0.1	0.1	-0.2	898
LBY	0.0	-0.3*	-0.5*	1.2*	1880
LTU	0.0	0.2	0.3	0.5+	889
LVA	0.0	-0.2	-0.5*	-0.7*	1119
MAR	0.0	0.2	0.1	0.6*	888
MDA	0.0	0.3*	-0.3	0.4*	2740
MEX	0.0	0.1	-0.2*	-0.3*	3782
MKD	0.0	-0.3*	0.0	-0.2	1600
MLI	0.0	2.2*	0.9	1.6+	82
MNE	0.0	0.1	0.5*	1.0⊤	939
MYS	0.0	0.3*	0.1	-0.2	1559
NGA	0.0	-0.0	0.1	0.0	4628
NLD	0.0	0.3	0.1	0.4	1581
NOR	0.0	-0.1	-0.1	0.4	1830
NZL	0.0	0.2	-0.1		625
PAK	0.0	0.2	0.3	0.4*	1131
PER	0.0	0.2	0.5*	-0.3	1122
PHL	0.0	-0.2	-0.4	-0.3 -0.2	2343
POL	0.0	-0.2	-0.4	-0.2 -0.2+	2683
PRI	0.0	0.0	-0.1	-0.2	1669
ROU	0.0	-0.2*	-0.3*	0.3*	3966
RUS	0.0	0.1	0.1	0.2*	3999
RWA	0.0	-0.1	-0.3*	0.3	2432
SAU	0.0	-0.1	0.0	0.5*	1311
SRB	0.0	-0.0	0.3*	-0.5*	3128
SVK	0.0	0.0	0.5	-0.5	902
SVN	0.0	0.0+	0.1	-0.3	1896
SWE	0.0	0.2+	0.1	0.1	1888
THA	0.0	-0.1	0.1	-0.0	2387
TTO	0.0	0.1	0.1	-0.0	957
TUN	0.0	0.2 -0.1			901
TWN	0.0	0.3	0.3	0.2	2914
UKR	0.0	-0.1	-0.4*	-0.4*	3593
URY	0.0	0.1	-0.4	-0.4	2511
USA	0.0	0.0	-0.2	-0.1	3493
UZB	0.0	-0.0	0.0	-0.2	1407
VEN	0.0	-0.5	-0.8*	-0.1	1111
VNM	0.0	0.3*	-0.3	-0.1	2330
YEM	0.0	1.3	-0.3 1.7*	1.3*	567
ZAF	0.0	0.2+	0.2+	0.0	5575
ZMB	0.0	0.47	0.47	0.0	1013
ZWE	0.0	-0.1	0.1	-0.0	1492
* p<0.05, + p<0.1; robust std err	0.0	V.1	0.1	0.0	1174
p \ 0.00, \ \ p \ 0.1, IODUSE SEU EII					

Table 38: ex1

Table 39: .

	-5	5-500k	500k-	N
ALB	0.0	-0.3*	-0.0	1864
AND	0.0	-0.1		931
ARG	0.0	-0.2	-0.0	955
ARM AUS	0.0 0.0	0.0 -0.1	0.6 -0.1	1057 3895
AZE	0.0	-0.2	0.1	995
BFA	0.0	0.3	-0.0	636
BGD	0.0	0.2*	0.8*	2562
BGR	0.0	0.0	-0.1	1637
BIH	0.0	-0.3*		2190
BLR	0.0	0.1	-0.1	3394
BRA	0.0	0.0	-0.2	3780
CAN CHE	0.0	-0.2* -0.4*	-0.5*	3320 926
CHL	0.0	-0.5+	-0.5	3823
CHN	0.0	0.5*	0.3*	4371
COL	0.0	0.0	-0.1	4376
CYP	0.0	-0.1	-0.7	1931
DEU	0.0	-0.0	0.1	5137
DOM	0.0	0.5	0.0	321
DZA	0.0	-0.5*	-0.9*	1806
ECU	0.0	-1.0*	-0.8*	1187
EGY ESP	0.0	-0.7* -0.0	-1.4* -0.3+	3466 1652
EST	0.0	-0.0*	0.5	1428
ETH	0.0	0.0	-0.2	1246
GEO	0.0	0.1	0.2	2602
GHA	0.0	0.3*	-0.1	2602
HTI	0.0	-0.0	0.7	1584
HUN	0.0	-0.1	-0.6*	952
IDN	0.0	0.1 0.0	0.1	2459
IND IRN	0.0	-0.4*	0.2+ -0.0	6931 2208
IRQ	0.0	0.1	0.0	1233
ITA	0.0	-0.2	0.1	639
JOR	0.0	0.1	-0.4+	2137
KAZ	0.0	0.1	-0.3*	1497
KGZ	0.0	-0.1	-0.5*	2427
KWT	0.0	0.3	0.2	953
LBN LBY	0.0	-0.0 -0.5*	-0.3 0.9	898 1880
LTU	0.0 0.0	0.2	0.9 0.5+	889
LVA	0.0	-0.3+	-0.7*	1119
MAR	0.0	-0.1	0.4*	888
MDA	0.0	0.2*	0.5*	2740
MEX	0.0	-0.0	-0.3*	3782
MKD	0.0	-0.2+	-0.3+	1600
MLI	0.0	1.7*	1.7+	82
MNE	0.0	0.3*	0.0	939
MYS NGA	0.0	0.1 -0.3*	-0.2 -0.3*	1559 4628
NLD	0.0	-1.3*	-1.1*	1581
NOR	0.0	-0.1	-1.1	1830
NZL	0.0	0.0		625
PAK	0.0	0.5*	0.5*	1131
PER	0.0	0.5*	-0.3	1122
PHL	0.0	-0.3	-0.2	2343
POL PRI	0.0	-0.1 0.0	-0.2+	2683 1669
ROU	0.0	-0.1+	0.3*	3966
RUS	0.0	0.1	0.3*	3999
RWA	0.0	-0.8*	-0.3	2432
SAU		0.0	0.5*	1311
SRB SVK	0.0	0.1	-0.5*	3128
SVK	0.0	-0.1		902
SVN	0.0	0.2*	-0.3	1896
SWE	0.0	0.2 0.1	0.2 0.0	1888
THA TTO	0.0 0.0	0.1	0.0	2387 957
TUN	0.0	0.1		901
TWN		0.0	-0.2+	2914
UKR	0.0	-0.2*	-0.4*	3593
URY	0.0	0.1	-0.1	2511
USA	0.0	-0.0	-0.2	3493
UZB	0.0	0.1	-0.3+ 1.6*	1407
VEN VNM	0.0 0.0	-2.2* 0.1	-1.6* -0.9*	1111
YEM	0.0	0.1 -0.1	1.2*	2330 567
ZAF	0.0	0.2*	0.0	5575
ZMB		J. <u>L</u>	0.0	1013
ZWE	0.0	0.2	0.1	1492
* p<0.05, + p<0.1; robust std err				

Table 40: ex1

11.1 very first results

Table ?? shows resuls of regression of SWB on place size dummies (controlling for year dummies), which essentially differences in means for each size category. Results are mixed, but large cities (500k-) and even medium sized (100-500k) are often happier than the

smallest category (the base case or reference category, -2k). Usually differences are small to moderate, about .5 (on 1-10 SWB scale), but sometimes large, larger than 1. Do mention the extremes and think about why—but we do not have explanation for those.

This is what the literature reports, tht results are mixed, in some cases cities are happier, in some cases they are not. A key finding of this study is that once we properly control for key predictors of SWB, almost uniformly large cities (500k-) are less happy than the smallest settlements (-2k). Results are shown in the body in table 39.

Results in table ?? are remarkable. In most countries large cities are less happy than small settlements. Remarkably, in no developed country city is happier than smallest areas (with exception of KWT and SAU-these are middle eastern and oil rich, where cities are glorious indeed)—and they are not developed countries according to IMF or UN anyway neither have very high HDI.