

Author's response

Manuscript Number: JCIT-D-20-00340R2

Title: "Misanthropolis: Do Cities Promote Misanthropy?"

July 2, 2022

Contents

1	Response to Editor	1
2	Response to Reviewer #2	2
3	Response to Reviewer #3	4
4	Tracked Text Changes	6

1 Response to Editor

Dear Professor Zhao,

Thank you for the opportunity to submit a revised draft. We are grateful to the reviewers and for your constructive comments. We have revised the manuscript in light of the many useful suggestions. We list below in inline format our brief responses to reviewers' comments and attach at the end tracked changes that show precisely the additions and deletions in the manuscript.

In light of the peer reviewers' recommendations we are hopeful that you will be able to make a positive decision. We appreciate your consideration. Thank you.

Best,
the Authors

2 Response to Reviewer #2

Thank you for the opportunity to review this original and interesting article on the relationship between urbanicity and misanthropy. As a reviewer in a later round of reviews, I will try to provide specific comments that can push the author(s) forward in the direction the revisions have taken.

Thank you for acknowledging a later round of reviews and the direction taken!

First, I still find that the organization and content of the Introduction could be improved. Right now it is organized around quotes and a prior study rather than a more general problem statement and motivation, which should then become briefly grounded in the literature and a definition of the concepts and their origins (including misanthropy and urbanicity - this would mean to move/merge/cut the section with definitions into the Introduction), before pointing out to key gaps and possible research avenues. From there, the authors should articulate their research questions, methods, and core finding, before briefly laying out the organization of the paper. In sum, I would recommend that the authors "just" have an introduction organized around 5-6 clear and well tied together paragraphs. And, as said, I would thus bring much of the mini section on Definitions into the Introduction.

We significantly edited the introduction. It is much more succinct and essentially "just" an introduction now. As suggested, we now start with a "general problem statement and motivation", "briefly grounded in the literature" and we moved the misanthropy origin and definition up as well. We did not include the definition for urbanicity in the intro because readers of Cities are well familiar with the concept, but we do discuss how urbanicity is measured in the methods section.

Second, why are the sections called "Theory: Urbanism-Misanthropy Pathways" and the one called "Literature: Urbanism and Distrust/Dislike of Humankind (Misanthropy) separate from one another, and then also separate from and followed by two sub-sections on Gaps and Bias in the Literature and Advantages of City Life? This organization makes the theoretical groundings of the paper very unwoven together. My recommendation would be to have a main Literature section that starts with a subsection on 1) How urbanicity and positive social sentiments are associated (that urban bias you describe later), 2) How urbanicity, in contrast, has been shown to contribute to misanthropy - the many ways in which it does (how) and the drivers (why) of misanthropy in cities. In that Literature section the beginning of it could just start with a more expanded version of what is misanthropy (a reduced version of page 5 and 7) before delving in the HOW and WHY subsections. And then 3) the literature section would finish with a few paragraphs on gaps and the study contribution - just a few short paragraphs at the end before the Methods section. All the gaps should be clearly woven together at the end

Done! We edited and reorganized the literature section as well: The literature review section now starts with a subsection on the positive aspects of city life, then we discuss how urbanicity, in contrast, has been shown to contribute to misanthropy and then finish with a few paragraphs on gaps and the study contribution. This helped tremendously with the flow of the paper and in connecting the arguments together. Thank you for providing us with such detailed feedback!

Third, I will add some general recommendations: a) You could bring in some of the literature that shows how cities (and urban neighborhoods) also contribute to a greater sense of community, and thus possibly to trust into the first subsection of the Lit Review (the one I recommend as reorganization). See these two studies for example: https://www.sciencedirect.com/science/article/pii/S0959652619329737?casa_token=_Zk7xZpH3M8AAAAA:C-q96D-94zKJ3D-Jj5ai0jmUySVUznk0TKy5ckR0BjF_reWoYmcg-peAjv10dWuYcSLtFPUCpQ
https://link.springer.com/chapter/10.1007/978-1-4419-8646-7_14

Done! Thank you for these suggestions! We incorporated these studies into the paper and discuss how cities also contribute to a greater sense of community as suggested.

b) Many of the statements throughout the literature sections are quite strong, generalized, and not nuanced, I would ensure to add a bit more nuance and disclaimer throughout. For example "Humans have ingroup preference or homophily, and accordingly, lack preference for or dislike heterogeneity" could become "In general, humans have been shown to XXX". Or "several studies point to XXX"

Done! We have revised the whole manuscript and have made arguments more nuanced throughout.

c) In the discussion about overcrowding/density in cities, I would recommend to add a bit more to the discussion in terms of the drivers underpinning overcrowding/small apartment living etc, including uneven urban development, gentrification and displacement, as well as inequality in large globalizing cities.

Done! Please refer to page 5.

d) Many of your points are "dropped" in the middle or in paragraphs. Please review your narrative to make the literature section flow better, and have better transitions and connections. There are some bold statements that, again, require context and nuance - or might simply be omitted. For example, the text "it is important to remember that the modern city and urbanization have started with the industrial revolution. The main rationale for urbanism has been capitalistic and economic".

Done! We have revised the manuscript throughout to address this issue. We have improved the flow of the paper and tried to make the transitions and connections between arguments better. We have also toned down and made arguments more nuanced. Also, to improve the flow, several parts were either moved to the appendix or omitted.

e) Similarly, Some paragraphs are too short and just seem "dropped in", including those about Pile and Nietzsche, without being logically interwoven in the analysis. The paragraph/reference about Wilson's work is also oddly written. You don't need to explain how many times it has been cited.

Done! We've moved the discussion about Pile and Nietzsche to the appendix, along with the reference to Wilson's work.

f) Some statements are also a bit too grandiose such as "Such gap in the literature is extraordinarily rare". Or even "there appears to be a pro-urban bias" - can one really talk about a bias? Maybe it would be more nuanced to simply articulate that there is a discussion and debate and the contribution of cities towards social bonds/trust vs. misanthropy - as I suggested above in regard to the organization of the paper.

Done! We removed the statements you suggested from the manuscript, "Such gap in the literature is extraordinarily rare", "pro-urban bias," and we have also toned down on the discussion of a pro-urban bias. Overall, we re-organized the paper per your suggestion and toned down throughout.

g) Both in the literature sections and in Results, some points are repeated - for example about misanthropy and what drives misanthropy in the literature or results about larger vs. smaller urban areas and the outcome variables

Done! We have carefully revised the manuscript to avoid being repetitive.

h) In the policy and planning implication sections, you could also add the increased problem of isolation and loneliness that planners have to grapple with, which was both exacerbated yet also somewhat addressed by the rise of social support networks during covid.

Done! Thank you! Your suggestions helped us produce a much richer and influential paper. Thank you.

3 Response to Reviewer #3

Interesting paper with thorough analysis and discussion of annual survey data since the 70s.

Thank you!

1. Apparently this study was already presented in the ISQOLS Virtual conference in August 2021, see abstract 189 on p. 89: https://rdmobile-palermo-production.s3.amazonaws.com/36ae4456-2093-4c98-a287-d5ad7ab50291/event-14231/271615874-Book-of-Abstracts_ISQOLS2021.pdf Please clarify if a paper was or will be published from the conference presentation. In either case, please clarify what is the difference with the present manuscript.

Thank you for asking. We want to make it clear that this paper was not published anywhere, and will not be published in any conference proceedings or in any type of "conference publication." The paper is only under consideration for publication at this journal (Cities). Given the blind review process, we'll simply state that many scholars present preliminary results of their analysis in conferences to receive useful and important feedback from other scholars to help them draft their manuscript and make their analysis stronger. Usually, these conference presentations entail very preliminary results that are generalized during short oral presentation—given the time constraint in conference presentations (5 to 10 minutes) there's not much time to share much of the study with the audience.

2. The structure of the paper was not clear. Please add a title for the first section starting on p. 2. Based on the way the text is currently structured I would suggest naming the first main section as Introduction (starting from p. 2) and having "Methods" (p. 8) as section 2. This would mean that the present headings from p.2 to p.8 would become sub-headings of the main heading 1. Introduction.

Done! We added a title for the first section now is titled 'Introduction;' Per subheadings: since we completely edited and re-organized the intro following the recommendation from the other reviewer, now there's no need for a subsection here. We did add subheadings to the literature review to help better organize the paper. Please refer to our comments to the other reviewer above. We tried to compromise and follow advice from all reviewers.

3. The paragraph starting "We conduct empirical quantitative analyses over the years 1972-2016 to test the urban misanthropy thesis. The paper is structured as follows:" on p.2 and ending "misanthropy has been growing there most steeply" on p. 3 already reveals your main statements and conclusions. Those cannot be presented before the analysis. Please move those statements to the Results or Conclusions sections if the data supports them. Please introduce only the article structure on p. 2-3.

Done! We moved these statements to the results and conclusion sections per your suggestion.

4. The section before Methods (p. 2 to p. 8) needs restructuring; the order of the sub-sections is not logical. In general, an Introduction is easier to follow if you start from general largely known things before going into details. You claim that most of the existing literature is pro-urban; it would be logical to start your literature review with that literature explaining the main benefits and disadvantages of urban life based on the literature. You could then continue by identifying gaps in literature related to negative aspects of urban life and continue with misanthropy related literature review.

Done! Note: the other reviewer also recommended that we start the literature review discussing the advantages of city life. So we re-structured the manuscript accordingly to improve logic and flow. Thank you for making this suggestion.

5. I would recommend avoiding the term "pro-urban bias" in the introduction but instead report what the existing literature reports on the advantages and disadvantages of urban life and what are the main gaps.

Done! Yes, thank you! We dropped the term completely from the paper and made the arguments much more nuanced when discussing a pro-urban proclivity in the literature. We appreciate your feedback and comments! Thank you for helping us make this paper much stronger.

4 Tracked Text Changes

(see next page)

Misanthropolis: Do Cities Promote Misanthropy?

~~Draft:~~ Saturday 2nd July, 2022 17:26

Highlights:

- Using the US General Social Survey (GSS, 1972-2016) we study the effect of urbanicity on misanthropy (distrust and dislike of humankind).
- Places with a population larger than several hundred thousand people versus places with a population smaller than a few thousand (but not the countryside) are more misanthropic.
- ~~The effect size of urbanicity is about half of that of income.~~
- Misanthropy remained highest in the large cities until around ~~2005.~~
- ~~Around 2000, misanthropy in 2005—in~~ large cities (>250k) ~~started to decline, and misanthropy for it declined over 2000-2010, and in~~ small places (<10k) ~~started to increase steeply it increased steeply over 1990-2010.~~

Abstract

We use pooled US General Social Survey (GSS, 1972-2016) data to study the effect of urbanism on misanthropy (distrust and dislike of humankind). Evolution (small group living), ~~classical urban sociological theory, and~~ homophily or ingroup preference, and classic urban sociological theory suggest that misanthropy should develop in the most dense and heterogeneous places, such as large cities. Our results mostly agree: misanthropy is ~~lowest in the smallest settlements (except for the countryside)~~ highest in cities with a population larger than several hundred thousand people, and the effect size of urbanicity is about half of that of income. Yet, the rural advantage is disappearing—from 1990 to 2010, misanthropy has increased fastest in the smallest places (< 10k). One possible reason is that smaller places have been left behind, and rural resentment has increased. ~~Results may not generalize outside of the US.~~ This is only the second quantitative study on the urbanicity-misanthropy nexus and more research is needed. Results may not be generalized outside of the US.

KEYWORDS: CITY, URBANISM, TRUST, MISANTHROPY, DISTRUST, FAIRNESS, HELPFULNESS, MISANTHROPOLIS, US GENERAL SOCIAL SURVEY (GSS)

~~“Here is the great city: here have you nothing to seek and everything to lose.” Nietzsche~~

~~“Real misanthropes are not found in solitude, but in the world; since it is experience of life, and not philosophy, which produces real hatred of mankind.”~~ Giacomo Leopardi

~~“Whenever I tell people I’m a misanthrope they react as though that’s a bad thing [...] I live in London, for God’s sake. Have you walked down Oxford Street recently? Misanthropy’s the only thing that gets you through it. It’s not a personality flaw, it’s a skill.”~~ Charlie Brooker

Introduction

As urbanization rampantly adds tens of millions of people to cities every year, it is important to understand how the urban way of life affects the human condition, particularly as it relates to social interactions. ~~The present study is largely~~ Urbanism is not only a built environment—urbanism is a way of life with profound social consequences. The concern is longstanding—the effect of urbanism on the human condition has been studied since Aristotle (Jowett et al., 1920) by many intellectuals such as Thomas Jefferson and Henry David Thoreau (White and White, 1977). The classic urban sociology in particular has produced significant insight on this subject (Wirth, 1938; Tönnies, [1887] 2002; Simmel, 1903). Yet, ~~the topic of misanthropy remains largely unexplored. This study is~~ inspired by Amin (2006) and Thrift (2005), whose sharp observation of the urban way of life suggest the existence of urban misanthropy:-

~~cities are polluted, unhealthy, tiring, overwhelming, confusing, alienating. They are places of low-wage work, insecurity, poor living conditions and dejected isolation for the many at the bottom of the social ladder daily sucked into them. They hum with the fear and anxiety linked to crime, helplessness and the close juxtaposition of strangers. They symbolize the isolation of people trapped in ghettos, segregated areas and distant dormitories, and they express the frustration and ill-temper of those locked into long hours of work or travel (Amin, 2006, p. 1011). Many key urban experiences are the result of juxtapositions which are, in some sense, dysfunctional, which jar and scrape and rend. ...There is, in other words, a misanthropiethread that runs through the modern city, a distrust and avoidance of precisely the others that many writers feel we ought to be welcoming in a world increasingly premised on the mixing which the city first brought into existence (Thrift, 2005, p. 140).~~

~~Notably~~ Misanthropy—from *misos*(*n.*), “dislike or hate,” and *anthropos*(*n.*), “humans”—refers to the lack of faith in others and the dislike of people in general. Misanthropy is a critical judgment on human life caused by failings that are “ubiquitous, pronounced, and entrenched” (Cooper, 2018, p. 7). Socrates (cited in Melgar et al., 2013) argued that misanthropy develops when one puts complete trust in someone, thinking the person to be absolutely true, sound, and reliable, only to later discover that the person is deceitful, untrustworthy, and fake—when this happens frequently, misanthropy develops. ~~Notably,~~ Thrift (2005) proposes that “misanthropy is a natural condition of cities, one which cannot be avoided and will not go away” (p. 140). ~~This leads to our present research—to conduct an empirical quantitative test of Thrift’s hypothesis.~~

~~The urban misanthropy thesis may seem incongruous, especially amid current pro-urbanism discourse (Thrift, 2005; Amin, 2006; Okulicz-Kozaryn, 2015b; Peck, 2016). The current COVID19 pandemic, however, has brought this subject to the forefront as the need for social distancing arguably exacerbates misanthropy~~

~~among urbanites. The avoidance and distrust of ‘others’ may intensify due to fear of infection, particularly in the largest and densest cities.~~

~~We~~ Thus, using novel data we conduct empirical quantitative analyses over the years 1972-2016 to test the of 1972-2016 to test this urban misanthropy thesis. The paper is structured as follows: We ~~first define misanthropy, and start with~~ start with a brief overview of how urbanicity has impacted different aspects of life. Next we present the underlying theory. ~~We set the stage, the urbanism-misanthropy pathways,~~ by bringing together human evolutionary history (small group living), ~~classic urban sociological theory, and~~ homophily or ingroup preference, ~~and classic urban sociological theory~~ suggesting that misanthropy should be observed in the most dense and heterogeneous places, such as large cities. ~~Next we discuss ways in which urbanism may lead to dislike and distrust of humankind (misanthropy), and~~ We end the literature review by pointing to gaps ~~and bias~~ in the literature ~~and pro-urban proclivity~~: remarkably, there is only one substantive quantitative study on urbanicity-misanthropy conducted thirty seven years ago ~~without any other study following up~~ in a literature that is dominated by pro-urban ~~bias~~ scholarship. Our empirical analysis follows ~~, and concludes with a proposition of the misanthropolis, a misanthropic metropolis. The~~ ~~and we conclude with a discussion of results and~~ takeaway for policy and practice ~~is that misanthropy should be of concern as it leads to tangible consequences—dissolution of the social fabric and dysfunction. While some degree of misanthropy may be inherent to urbanism (Thrift, 2005), some of it may be arguably mitigated by policies designed to bring people together. At the same time, planners and practitioners must start paying attention to rural areas, which have been largely left behind with little resources—misanthropy has been growing there most steeply.~~

Misanthropy Definition

Literature

~~Misanthropy stems from the Greek words *misos*, “dislike or hate,” and *anthropos*, “humans.” Misanthropy refers to~~

Advantages of City Life (Pro-Urbanism)

~~Much of the~~ ~~lack of faith in others and~~ recent urban research has emphasized the positive aspects of cities (Thrift, 2005; Amin, 2006; Okulicz-Kozaryn, 2015b; Peck, 2016), a case in point being the bestselling book, the “Triumph of the ~~dislike of people in general.~~ City: How Our Greatest Invention Makes Us

Richer, Smarter, Greener, Healthier, and Happier” (Glaeser, 2011).

~~Misanthropy is a critical judgment on human life caused by failings that are “ubiquitous, pronounced,~~

~~Many people are drawn to metropolitan areas given the positive aspects of city life: amenities, freedom, productivity, research and innovation, economic growth, wages, and multiple efficiencies related to density in transportation, public goods provision, and lower per capita pollution (Tönnies, [1887] 2002; O’Sullivan, . In addition, urban heterogeneity and diversity can benefit the economy: create technological innovations, increase productivity levels, and entrenched” (Cooper, 2018, p. 7). enhance the supply and the quality of goods and services (Rodríguez-Pose and von Berlepsch, 2019). Furthermore, returns from education are greater in cities than smaller places, while also providing more economic opportunities for urbanities (Florida et al., 2013). In general, there is no doubt that cities are the economic engines of today’s economy (e.g., O’Sullivan, 2009) and that urban living has drastically improved many aspects of life (e.g., Glaeser, 2011). Moreover, cities are less polluted than they used to be, there is more redevelopment (e.g., Glaeser, 2011), and the younger generations are happier living in cities (Okulicz-Kozaryn and Valente, 2018)~~

~~Socrates (cited in Melgar et al., 2013) argued that misanthropy develops when one puts complete trust in somebody, thinking the person to be absolutely true, sound, and reliable, only to later discover that the person is deceitful, untrustworthy, and fake. When this happens frequently, misanthropy develops.~~

~~Cities can also contribute to a greater sense of community (Chavis and Wandersman, 2002; Macke et al., 2019) . Although city life is related to impersonal social relations, cities have higher levels of social interaction, participation in religious groups and volunteering than the suburbs (Nguyen, 2010; Mazumdar et al., 2018) . Much of the impersonal social relations observed in cities is due to neighbor relations (Nguyen, 2010; Mazumdar et al. . Concurrently, urbanites tend to have larger social networks and socialize more frequently while having more opportunities to meet new friends or partners (Mouratidis, 2018, 2017). Urbanites are able to more easily create their own communities in cities (e.g., shop in a particular bodega, use a specific laundromat, worship in a well-liked church/temple, frequent a preferred gym) and will socialize and trust those in their social bubble. If that trust is broken, it’s easier to find another bodega, another laundromat, and so forth. In rural and small communities, on the other hand, if trust is broken, it is more difficult to find a replacement and life can become cumbersome as gossip spreads. “City air makes men free (Stadt Luft macht frei)” (Park et al., [1925] 1984, p.12)—diversity and the heterogeneity found in urban centers translate into increased tolerance and acceptance of others (Tuch, 1987; Wirth, 1938; Stephan and McMullin, 1982; Okulicz-Kozaryn and Valente, 2020).~~

~~Theory: Urbanism-Misanthropy Pathways~~

~~How~~

Urbanism-Misanthropy Pathways

In sharp contrast to the large literature documenting the aforementioned advantages of city life, there is only a handful of writings focusing on misanthropy: Thrift (2005); Melgar et al. (2013); Keeling (2013); Smith (1997) and Rosenberg (1957, 1956).

So, how can cities produce misanthropy? There are several pathways or mechanisms. ~~In theorizing about urban misanthropy we draw on evolution, classic urban sociology, and homophily preferences.~~

Living-First, living in large, dense, and heterogeneous settlements (city living) is, at least in some ways, incompatible with human nature (Haidt, 2012). Throughout our evolutionary history, for thousands of years, humans have lived in small, low-density homogeneous groups. As hunter gatherers, humans lived in small bands of 50 to 80 people; later, they formed simple horticultural groups of 100 to 150 people, finally clustering in groups as large as 5,000-6,000 people as they evolved into more advanced societies (Maryanski and Turner, 1992).

Similarly, humans tend to have ingroup preference or homophily, and accordingly, usually lack preference for or dislike heterogeneity (Smith et al., 2014; McPherson et al., 2001; Bleidorn et al., 2016; Putnam, 2000), which is a key defining feature of cities (Wirth, 1938; Amin, 2006; Thrift, 2005). High diversity is related to lower trust and less social participation (Alesina and Weder, 2002; Alesina and Ferrara, 2000; Luttmer, 2000).

Early sociologists proposed that urbanization created malaise due to three core characteristics of cities: size, density, and heterogeneity—increased population size creates anonymity and impersonality, density creates sensory overload and withdrawal from social life, and heterogeneity leads to anomie ~~and~~ deviance, and ~~to~~ lower trust and wellbeing (Park et al. ([1925] 1984); Simmel (1903); Tönnies ([1887] 2002); Wirth (1938); Putnam (2007); Okulicz-Kozaryn (2015a); Herbst and Lucio (2014); Postmes and Branscombe (2002); Vogt Yuan (2007); Smelser and Alexander (1999)).

~~Humans have ingroup preference or homophily, and accordingly, lack preference for or dislike heterogeneity (Smith et al., 2014; McPherson et al., 2001; Bleidorn et al., 2016; Putnam, 2007), which is a key defining feature of cities (Wirth, 1938; Amin, 2006; Thrift, 2005). High diversity is related to lower trust and less social participation (Alesina and Weder, 2002; Alesina and Ferrara, 2000; Luttmer, 2001; Alesina et al., 2015). All of these factors are likely to lead to urban misanthropy.~~

~~Literature: Urbanism and Distrust/Dislike of Humankind (Misanthropy)~~

~~In this section we underline how the classic urban sociological literature along with other relevant literatures provide a theoretical explanation to urban misanthropy.~~

~~It is well-known that city~~ City life causes cognitive overload, stress, and coping (Simmel, 1903; Milgram, 1970; Lederbogen et al., 2011). An overloaded system can suppress stimuli resulting in blasé attitude (Simmel, 1903)—city life can cause withdrawal, impersonality, alienation, superficiality, transitivity, and shallowness (Wirth, 1938). ~~Similarly~~Furthermore, city life intensifies cunning and calculated behavior (Tönnies, [1887] 2002), estrangement, antagonism, disorder, vice, and crime (Milgram, 1970; Park, 1915; Park et al., [1925] 1984; Bettencourt and West, 2010), which can lead to ~~aggressive~~ negative responses when interacting with others. Urbanism negatively influences the quality of nearly all social relationships (Wilson, 1985). Moreover, urbanites tend to be ill-mannered and unreliable, which can lead to misanthropy (e.g., Okulicz-Kozaryn, 2015b; Okulicz-Kozaryn and Valente, 2017). ~~It is not only city living, but also growing~~ These negative aspects of city living can be long lasting—growing up in a city that is is also associated with negative consequences later in life regardless of where you end up living (Lederbogen et al., 2011; Okulicz-Kozaryn and Valente, 2020).

Of the many urban problems, next to crime, crowding may be especially conducive to misanthropy. Crowding can be a significant problem in large cities, which forces a large number of people to live in close proximity (household crowding) and in a small amount of space (residential crowding). Crowding is associated not only with higher levels of stress and depression, but also with aggression (Regoeczi, 2008; Calhoun, 1962).

There are striking examples of crowding in the largest and densest cities around the world. New York City, for example, offers 250 or even 100 sq feet apartments (Charlesworth, 2014; Yoneda, 2012; Weichselbaum, 2013). Some “cubbyholes,” are yet smaller at 40 sq feet (Velsey, 2016). In other dense cities, like Hong Kong, crowding can be even worse (Stevenson and Wu, 2019). To be sure, the majority of the urban population does not live in such extreme crowding conditions, and crowding is also an issue in smaller areas—some people crowd in houses in small towns or villages. While high density is not the same as crowding, the two concepts are often correlated (Meyer, 2013), and urban crowding is probably becoming more common as cities are becoming less affordable (e.g., Misra, 2015; Florida and Schneider, 2018; Weinberg, 2011; Solari, 2019; Schuetz, 2019; Kotkin, 2013). Still, urbanization does not need to lead to extreme overcrowding, and attention should be paid to the many potential drivers of crowding such as uneven urban development, gentrification and displacement, as well as inequality in large globalizing cities.

~~Concurrently, crime, traffic congestion, and incidence of infectious diseases (case in point, the current COVID19 crisis) do increase with population size (Bettencourt et al., 2010; Bettencourt and West, 2010; Bettencourt et al., 2010).~~

~~There is only a handful of writings focusing on misanthropy: Thrift (2005); Melgar et al. (2013); Keeling (2013); S. —Gibson (2017) argues that his treatment of the subject is the most complete, and he makes two references indicative of urban misanthropy (p. 220): “Houellebecq matches this vision of hell with an insistent evocation of the anomie urban and metropolitan cityscapes,” and on p. 153:—~~

~~Sitwell’s city is the citta infernale hell city, and the city is where one confronts essential truth; nature, by contrast, is incidental, exists as nooks and byways. In the urban ‘circles of hell,’ Sitwell writes, all the forms of misery congregate together. Here one learns all one needs about the ‘old tyrannies and cruelties,’ ‘the rankness of all human nature,’ ‘this muddle and waste that we have made of the world.’ Cities are places where ‘men have created and known fear’ as a consequence of ‘the man-made chasms’ between them.—~~

~~This quote reminds of Engels’ famous description of industrial city, which for the sake of brevity is postponed to the Supplemental Online Material (SOM). It is important to remember that the modern city and urbanization have started with the industrial revolution. The main rationale for urbanism has been capitalistic and economic (O’Sullivan, 2009; Glaeser, 2011).—~~

~~Steve Pile in his colorful writings about cities often invokes urban folklore characters that prey on humans in cities, e. g., vampires, werewolves, ghosts (Pile, 2005a,b; Pile et al., 1999). Specifically, old cities carry melancholia (Pile, 2005b), which can arguably translate into misanthropy.—~~

~~Nietzsche, one of the greatest observers of the human condition suggested urban misanthropy by referring to urbanites as “the flies in the market-place” (Nietzsche and Parkes, 2005). Also recall the initial quote by Nietzsche at the beginning of the paper: “Here is the great city : here have you nothing to seek and everything to lose.”—~~

~~The aforementioned arguments suggest that city In sum, city life can make people become more distant from or hostile toward other human beings. Urban For many, urban life is being “lonely in the midst of a million” (Twain), “lonesome together” (Thoreau), alienated (Wirth, 1938; Nettler, 1957), “awash in a sea of strangers” (Merry cited in Wilson, 1985, p. 99) in a “mosaic of little worlds which touch, but do not interpenetrate” (Park et al., [1925] 1984, p. 40). Thus, we hypothesize:~~

Urbanicity contributes to increased levels of misanthropy.

Gaps (and Bias) in the Literature

Gaps in the Literature and Study's Main Contribution

The gap in the literature is two-fold. First, the current urban literature tends to ~~have a pro-urban bias~~ (Peck, 2016), ~~specifically avoiding urban misanthropy as if it were “a dirty secret” (Thrift, 2005, p. 134).~~ ~~Thus, we bring together here largely overlooked literature from across different fields.~~ avoid the negative side of urbanism (Thrift, 2005; Amin, 2006; Okulicz-Kozaryn, 2015b; Peck, 2016). Second, there is only one quantitative study focused on the urbanicity-misanthropy relationship. ~~Thus, we extend the empirical analysis.~~

~~Therefore, a major contribution of this study is to build on the largely overlooked literature and extend it with empirical analysis using novel data.~~

Academic thinking about cities has for the most part swung in a pro-urban direction for many decades ~~.~~ ~~There appears to be a pro-urban bias~~ not only in the US (Hanson, 2015), but in world development generally (Lipton et al., 1977). The ~~classical~~ classic sociological urban theory (Wirth, 1938; Milgram, 1970; Park, 1915; Park et al., [1925] 1984; Simmel, 1903; Tönnies, [1887] 2002) gave way to sub-cultural theory (Fischer, 1975, 1995; Wilson, 1985; Palisi and Canning, 1983), while debates about the optimal size of a city (Richardson, 1972; Singell, 1974; Alonso, 1960, 1971; Elgin, 1975; Capello and Camagni, 2000) emanated in the-bigger-the-better ideology (Glaeser, 2011). ~~Much of the critical literature brought to light here is overlooked—the current literature tends to be pro-urban and dismisses the negative side of urbanism.~~

As a result, there is no recent interest research in the urbanicity-misanthropy relationship—only two studies examined this relationship employing quantitative methods (Wilson, 1985; Smith, 1997). Smith (1997) lists only a simple bivariate correlation between urbanicity and misanthropy among dozens of other bivariate correlations in a General Social Survey technical report without discussing the topic. Therefore, the only substantive quantitative study focusing on the urbanicity-misanthropy ~~relationship is Wilson (1985)~~ nexus is Wilson (1985).

~~Remarkably, Wilson (1985) is only cited by 4 studies according to Google Scholar—Smith (1997) and 3 others, and none of these studies focus on misanthropy. Thus, aside from Wilson (1985), there is simply no literature on this topic. Such gap in the literature is extraordinarily rare. Indeed, given a thirty seven year gap in the literature (since Wilson (1985)), the present study is pioneering ground breaking research in the current generation of urban scholarship.~~

~~Wilson (1985) uses dated~~ Wilson (1985) used the 1972-1980 GSS dataset ~~, controls for only a handful of variables, and in his analysis—he~~ does not show trends over time and only controlled for a handful of

variables. Arguably, like other contemporary social scientists such as ~~Veenhoven (1994); Meyer (2013)~~ Veenhoven (1994), Meyer (2013) and Fischer (1982), Wilson has a slight pro-urban ~~bias—under-emphasizing and discounting urban problems~~ proclivity—under-emphasizing and discounting the negative side of urbanism.

The lack of research on the link between ~~urbanicity-misanthropy~~ urbanicity and misanthropy in urban studies seems to emerge from an avoidance to focus on the darker and misanthropic side of cities. As Nigel Thrift aptly observed, there is “a more deep-seated sense of misanthropy which urban commentators have been loath to acknowledge, a sense of misanthropy which is too often treated as though it were a dirty secret” (Thrift, 2005, p. 134).

~~Advantages of City Life (Bias in Literature)~~

~~The vast majority of recent urban research has focused on the positive aspects of cities, a case in point being the bestselling book, the “Triumph of the City: How Our Greatest Invention Makes Us Richer, Smarter, Greener, Healthier, and Happier” (Glaeser, 2011). While Glaeser (2011) is remarkably misguided (Okulicz-Kozaryn, 2015b; Peck, 2016), it is important to underscore that this pro-urban trend has emerged due to the many real benefits that cities provide.~~

~~Many people, are drawn to metropolitan areas given the many bright sides and positive aspects of city life: amenities, freedom, productivity, research and innovation, economic growth, wages, and multiple efficiencies related to density in transportation, public goods provision, and lower per capita pollution (Tönnies, [1887] 2002; O’Sullivan, 2009; Meyer, 2013; Rosenthal and Strange, 2002; Bettencourt et al., 2010). In general, there is no doubt that cities are the economic engines of today’s economy. Even in terms of social relationships, cities have some advantages and score better than suburbs—although city life is related to impersonal social relations, cities have higher levels of social interaction, participation in religious groups and volunteering than the suburbs (Nguyen, 2010; Mazumdar et al., 2018).~~

~~Much of the impersonal social relations observed in cities is due to neighbor relations (Nguyen, 2010; Mazumdar et al., 2018). Concurrently, urbanites tend to have larger social networks and socialize more frequently while having more opportunities to meet new friends or a partner (Mouratidis, 2018, 2017). Urbanites are able to more easily create their own communities in cities (e.g., shop in a particular bodega, use a specific laundromat, worship in a well-liked church/temple, frequent a preferred gym) and will socialize and trust those in their social bubble. If that trust is broken, it’s easier to find another bodega, another laundromat, and so forth. In rural and small communities, on the other hand, if trust is broken, it is more difficult to find a replacement and life can become cumbersome as gossip spreads. Urban heterogeneity and diversity can benefit the economy: create technological innovations, increase productivity levels,~~

and enhance the supply and the quality of goods and services (Rodríguez-Pose and von Berlepsch, 2019).

Concurrently, “city air makes men free (Stadt Luft macht frei)” (Park et al., [1925] 1984, p.12) —diversity and the heterogeneity found in urban centers translate into increased tolerance and acceptance of others (Tuch, 1987; Wirth, 1938; Stephan and McMullin, 1982; Okulicz-Kozaryn and Valente, 2020). These are all important benefits of living in a city, as opposed to living in a village, the suburbs, or the countryside. Urban living has drastically improved many aspects of life, notably cities are less polluted than they used to be, and there is more redevelopment (e.g., Glaeser, 2011), which is perhaps why cities are becoming more happy recently (Okulicz-Kozaryn and Valente, 2018). Cities and large urban centers have more amenities compared to other places (O’Sullivan, 2009). In addition, there are greater returns from education in cities than smaller places, while also providing more economic opportunities (Florida et al., 2013).

Despite all of the benefits of city life, nonetheless, the question remains: *could urban areas increase misanthropy?* We explore and attempt to answer this question next. Therefore, the aim of this paper is to fill this gap in the literature by bringing together a largely overlooked literature from across different fields and by providing an up to date quantitative analysis of the relationship between urbanicity and misanthropy. Building on and extending Wilson (1985), we control for an extensive set of variables, examine trends over the last four decades, and provide a much broader and interdisciplinary perspective of the relationship between urbanicity and misanthropy.

Method

Data

We use unique misanthropy measure from the 1972-2016 US General Social Survey (GSS; <http://gss.norc.org>). The GSS is a cross-sectional, nationally representative survey, administered annually since 1972 until 1994 when it became biennial. The unit of analysis is a person at the individual level and data are collected in face-to-face in-person interviews (Davis et al., 2007). The full dataset contains about 60 thousand observations pooled over 1972-2016. All variables were recoded in such a way that a higher value means more.

Marsden et al. (2020) provides an useful overview of the GSS, one of the most widely used datasets in contemporary social science. The GSS has a wide range of attitude and behavior data, together with wide and deep a wide and detailed body of background information including socioeconomic status, social mobility, social control, the family, civil liberties, and morality.

~~Misanthropy~~ The misanthropy scale items and urbanicity measures have been part of GSS since its first wave in 1972. The GSS takes care to ensure the over-time comparability of measures for trend analyses (Marsden et al., 2020), which ~~is utilized in a current study of~~ we utilized in this study to examine the relationship between urbanicity and misanthropy over 4 decades. According to Marsden et al. (2020), the GSS prioritizes survey quality, maintaining response rates above the survey industry standard.

Research Design and Model

Research Design and Model

~~Research~~ The research design is ex post facto (Mohr, 1995). ~~Data~~ Our study is observational or correlational—data used are secondary, without any experimental manipulation, ~~and our study is observational or correlational. Observational or correlational studies are not without merit—many scientific breakthroughs were first discovered in observational studies—for instance that smoking is related to cancer (e.g., Blanchflower and Oswald, 2011; Oswald, 2014).—Furthermore, experimental data suffer from many critical problems that are not inherent in observational data such as lack of external validity, small sample size, and artificial laboratory setting. For a discussion see Pawson and Tilley (1997).~~¹

As explained in the next subsection, the dependent variable, ~~misanthropy~~, ‘misanthropy.’ is continuous. Hence, we use ordinary least squares (OLS) to analyze the relationship between urbanicity and misanthropy. Multilevel techniques are not applicable as the GSS is only representative of large census regions, and we do not have the restricted GSS data with finer geographical information. GSS is a repeated cross-sections dataset with different persons in each wave, hence panel data techniques are not applicable either.

Misanthropy

We measure misanthropy, the distrust and dislike of humankind, with a three item Rosenberg’s misanthropy index (Rosenberg, 1956; Smith, 1997):

TRUST. “Generally speaking, would you say that most people can be trusted or that you can’t be

¹Observational or correlational studies are not without merit—many scientific breakthroughs were first discovered in observational studies—for instance that smoking is related to cancer (e.g., Blanchflower and Oswald, 2011; Oswald, 2014).—Furthermore, experimental data suffer from many critical problems that are not inherent in observational data such as lack of external validity, small sample size, and artificial laboratory setting. For a discussion see Pawson and Tilley (1997)

too careful in dealing with people?” 1 = “cannot trust,” 2 = “depends,” 3 = “can trust.”

FAIR. “Do you think most people would try to take advantage of you if they got a chance, or would they try to be fair?” 1 = “take advantage,” 2 = “depends,” 3 = “fair.”

HELPFUL. “Would you say that most of the time people try to be helpful, or that they are mostly just looking out for themselves?” 1 = “lookout for self,” 2 = “depends,” 3 = “helpful.”

Rosenberg defines misanthropy as a general uneasiness, dislike, and apprehensiveness towards strangers (Rosenberg, 1956). Using the three items, we utilized factor analysis with varimax rotation to produce an index, and we reversed it so that it measures misanthropy. Cronbach’s alpha is .67. The distributions of these items, as well as the descriptive statistics for all other variables, are in the Supplementary Online Material (SOM).

Although, much controversy about the assessment of misanthropy exists in the literature, the Rosenberg scale has become the standard measure for self-reported misanthropy and was designed to assess one’s degree of confidence in the trustworthiness, goodness, honesty, generosity and brotherliness of people in general (Rosenberg, 1956). The measurement encompasses “faith in people,” “attitudes towards human nature,” and an “individual’s view of humanity.” The Rosenberg misanthropy scale has been a cornerstone on the GSS since 1972, and the measurement is not contaminated by social desirability bias (Ray, 1981). The Rosenberg misanthropy scale is the most popular and widely cited measurement of misanthropy. Some authors (e.g., Wuensch et al., 2002) have used other scales, but their approaches are disjoint from the mainstream literature, and there is not much discussion of the concept or measurement that they used in their research.

Strictly speaking, the Rosenberg scale does not measure the dislike of “all people,” but “most people.” Wilson (1985) suggests it is dislike of strangers, specifically. Likewise, Delhey et al. (2011) have recently argued that “most people” predominantly connotes outgroups. Note that this relates to the homophily/ingroup theory—a dislike for an outgroup typically means relative preference for the ingroup.

Urbanicity

Urbanicity is measured in three ways to show that the results are robust to the definition. First, it is measured using deciles of population size (SIZE). Deciles are used to investigate if there are any nonlinear effects on misanthropy. Two other variables are used to measure urbanism under their original GSS names: XNORCSIZ and SRCBELT.

Wilson (1985) uses these two variables in his study. One technical problem, however, is that he assumes that these variables are continuous. Wilson (1985) explicitly states that XNORCSIZ is an ordinal variable, and we disagree: one cannot really say whether a suburb is larger than an unincorporated large area and smaller than an area of 50 thousand people.

Both XNORCSIZ and the SRCBELT variables categorize places into metropolitan areas, big cities, suburbs, and unincorporated areas. The advantage of SIZE is that it allows us to calculate a misanthropy gradient by the exact size of settlement. XNORCSIZ and SRCBELT take into account the fact that populations cluster at different densities (e.g., suburbs are less dense than cities). The GSS does not provide a density variable.

The SRCBELT measurement is arguably the best fitting to illustrate the urban vs. rural divide: the divide is between metropolitan areas vs. smaller areas (Hanson, 2015), and the SRCBELT variable identifies the metropolitan areas (as Metropolitan Statistical Areas) and it classifies metros by their rank and size: small rur, small urb, 13-100 sub, 1-12 sub, 13-100 msa, 1-12 msa. The GSS detailed codebook descriptions are in the SOM.

Controls

In the choice of control variables, we follow Welch et al. (2007) and Smith (1997). The higher the social standing, the more favorable view of others—we control for income, education, and race. ~~Social~~ The social class literature suggests that individuals' social class should be assessed using both objective (e.g., income and education) and subjective indicators (e.g., Kraus et al., 2009). Thus, we control for person's perceived social class as well.

Negative experiences are likely to increase misanthropy, therefore we control for fear of crime (there is no adequate measurement of actual victimization in the GSS). Crime is relevant because the larger the place, the more crime (Bettencourt and West, 2010; Wirth, 1938; White and White, 1977), and the more crime, the more misanthropy (Wilson, 1985). As explained by Glaeser and Sacerdote (1999), cities may create greater returns to crime because urban areas provide criminals more access to the wealthy and to a greater range of victims. Likewise, the lower ~~probability~~ likelihood of arrest, and the lower probability of recognition are features of urban life that make crime more ~~likely~~ frequent (Glaeser and Sacerdote, 1999). Fear of crime can result in social problems such as lower interpersonal and institutional trust, change in behavioral patterns and lifestyle, and integration into society (see Krulichová et al. (2018)) being therefore an important control.

We also control for unemployment, self-reported health, and age. We control for divorce, a predictor of misanthropy. Misanthropy should be higher among cultural groups and minorities that have been

discriminated against—we control for race, being born in the US, and religious denomination. Religious belief may reduce misanthropy—religions commonly promote philanthropy and altruism. This is especially true of social religiosity (services attendance, church membership), but individual religiosity or believing (prayer, closeness, and belief in God) may actually increase misanthropy (Valente and Okulicz-Kozaryn, 2020). Misanthropy may be lower among older people, and there may be a curvilinear relationship, therefore we control for age and age². Men tend to be more misanthropic—we control for gender. Recent movers may be more misanthropic ~~—There and although there~~ is not an adequate measure ~~of recent moving~~ in the GSS ~~—but indicating whether someone moved recently~~, we use a proxy for international ~~moving-relocation~~ by controlling for being born in the US.

In addition, we control for subjective wellbeing—the goal is to alleviate a potential problem of spuriousness. It may not be the size of a place that causes higher misanthropy, but poor quality of life or unhappiness (Okulicz-Kozaryn and Valente, 2021) that correlates with both urbanicity and misanthropy. In addition, we control for health which may vary across urbanicity (e.g., Chen et al., 2019), and possibly, ~~unhealthy~~ persons are more likely to be misanthropic. Concurrently, liberals and immigrants are more likely to live in cities and both groups are less satisfied with their lives (Berry and Okulicz-Kozaryn, 2011; Okulicz-Kozaryn et al., 2014) and potentially more misanthropic. Thus, we control for political ideology and immigration status.

Data were pooled over 1972-2016, and hence we include year dummies. Also, there are substantial regional differences across the US—we include a “South” dummy variable. All variables are defined along with their survey questions in the SOM.

Results

This section reports the empirical results of our hypothesis test: ~~urbanicity contributes to increased levels of misanthropy~~ *urbanicity contributes to increased levels of misanthropy*.

Tables 1, 2, and 3 show the regression results of misanthropy. We use three measures of urbanicity, one in each table, and each urbanicity measure is entered as a set of dummy variables to explore nonlinearities ~~—and the~~. ~~The~~ base case is the smallest place in the case of SIZE and SRCBELT, and the second smallest category on XNORCSIZ: “<2.5k, but not countryside.” Coefficients of interest are those on the largest places such as the second largest category “192-618k,” and especially the largest one “618k-” in ~~table~~ *Table* 1, and corresponding the second largest and the very largest places in ~~tables~~ *Tables* 2 and 3.

The first column of each table (a1, b1, c1) shows coefficients from a basic regression of misanthropy

Table 1: OLS regressions of misanthropy. Beta (fully standardized) coefficients reported. All models include year dummies. SIZE deciles (base: <2k).

	a1	a2	a3	a4	a4a	a4b	a4c
2-4k	0.01	0.02**	0.01**	0.01*	0.02	0.01*	0.01
4-8k	0.02***	0.03***	0.03***	0.03***	0.02**	0.02***	0.02
8-14k	0.01**	0.04***	0.03***	0.03***	0.03***	0.02***	0.02**
14-24k	0.00	0.03***	0.03***	0.02***	0.02*	0.02**	0.01
24-41k	0.01	0.04***	0.03***	0.02***	0.02**	0.02**	0.02*
41-79k	0.01*	0.04***	0.04***	0.03***	0.02*	0.02**	0.01
79-192k	0.03***	0.04***	0.04***	0.03***	0.01	0.02**	-0.00
192-618k	0.04***	0.05***	0.05***	0.04***	0.02**	0.02***	0.01
618k-	0.09***	0.09***	0.09***	0.07***	0.05***	0.05***	0.02**
South	0.12***	0.10***	0.09***	0.10***	0.09***	0.09***	0.07***
subjective class identification		-0.10***	-0.10***	-0.09***	-0.09***	-0.08***	-0.08***
family income in \$1986, millions		-0.08***	-0.07***	-0.05***	-0.04***	-0.05***	-0.04***
protestant		-0.01	-0.01	0.00	0.00	-0.01	-0.01
catholic		-0.02***	-0.02***	-0.01	-0.02*	-0.01	-0.02
unemployed		0.01**	0.01**	0.00	0.00	0.00	0.00
age		-0.32***	-0.34***	-0.39***	-0.47***	-0.41***	-0.50***
age squared		0.13***	0.14***	0.18***	0.25***	0.20***	0.28***
highest year of school completed		-0.24***	-0.24***	-0.22***	-0.21***	-0.22***	-0.20***
male		0.03***	0.03***	0.02***	0.04***	0.03***	0.05***
married			0.00	0.00	0.00	0.00	0.00
widowed			0.02***	0.01	-0.01	0.00	-0.01
divorced			0.04***	0.02***	0.02*	0.02***	0.02*
separated			0.04***	0.03***	0.02***	0.02***	0.02**
never married			0.01	-0.01	-0.02**	-0.02**	-0.03***
conservative				0.00	0.01	0.01	0.01
liberal				-0.03***	-0.02**	-0.03***	-0.02***
born in the U.S.				-0.02***	-0.02**	-0.00	-0.00
SWB				-0.13***	-0.14***	-0.12***	-0.13***
afraid to walk at night in neighborhood					0.09***		0.09***
white household						-0.12***	-0.12***
N	38236	33549	33545	27522	14034	27082	13799

*** p<0.01, ** p<0.05, * p<0.1;
robust std err

on a set of dummy variables for a given urbanicity measure without any control variables ~~except~~, except for South and year dummies (not shown). The largest negative effect of urbanicity on misanthropy is observed for the largest places, as expected. In the case of SIZE and SRCBELT, the second largest effects tend to be on the second largest place, also as expected. In the case of XNORCSIZ, in addition to the largest cities, the countryside is quite misanthropic. This is an unexpected result—we had not hypothesized that the countryside would be misanthropic. Perhaps countrymen are not used to swarms of people, or perhaps they are countrymen because they are misanthropic and distrust and dislike people. ~~Keeling (2013) argues that the links between wilderness and misanthropy are false.~~

The second columns (a2, b2, c2) in the tables add controls following Welch et al. (2007) and Smith (1997). The change in estimates is substantial across all three urbanicity measures—midsize places become much more misanthropic—now they are about half or third as misanthropic as the largest place (all urbanicity estimates are relative to the base ~~case~~ category). In ~~table~~ Table 2, an interesting result on the XNORCSIZ dummies is that of misanthropic suburbs, the so called “places of nowhere” (Kunstler, 2012), ~~thus confirming the thesis~~. These results seem to support studies documenting the existence of

Table 2: OLS regressions of misanthropy. Beta (fully standardized) coefficients reported. All models include year dummies. XNORCSIZ (base: <2.5k, but not countryside).

	b1	b2	b3	b4	b4a	b4b	b4c
countryside	0.03***	0.03***	0.03***	0.04***	0.05***	0.04***	0.04***
2.5-10k	0.02***	0.02***	0.02***	0.02***	0.02**	0.02**	0.02
10-50k	0.03***	0.03***	0.03***	0.03***	0.03***	0.03***	0.02**
uninc med	0.00	0.02***	0.02***	0.03***	0.03**	0.03***	0.03**
uninc lrg	0.00	0.03***	0.03***	0.03***	0.03**	0.02***	0.02*
med sub	0.02**	0.04***	0.04***	0.05***	0.05***	0.04***	0.04***
lrg sub	0.03***	0.08***	0.08***	0.08***	0.07***	0.06***	0.05***
50-250k	0.04***	0.05***	0.05***	0.05***	0.03**	0.03***	0.01
gt 250k	0.10***	0.10***	0.10***	0.09***	0.07***	0.07***	0.04***
South	0.12***	0.10***	0.09***	0.10***	0.09***	0.09***	0.07***
subjective class identification		-0.10***	-0.10***	-0.09***	-0.09***	-0.08***	-0.08***
family income in \$1986, millions		-0.08***	-0.07***	-0.06***	-0.05***	-0.05***	-0.04***
protestant		-0.01	-0.01	0.00	0.00	-0.01	-0.01
catholic		-0.02***	-0.02***	-0.01	-0.02*	-0.01	-0.02
unemployed		0.01**	0.01**	0.00	0.00	0.00	0.00
age		-0.32***	-0.34***	-0.39***	-0.47***	-0.41***	-0.50***
age squared		0.12***	0.13***	0.17***	0.25***	0.20***	0.28***
highest year of school completed		-0.24***	-0.24***	-0.22***	-0.21***	-0.22***	-0.20***
male		0.03***	0.03***	0.02***	0.04***	0.03***	0.05***
married			0.00	0.00	0.00	0.00	0.00
widowed			0.02***	0.01	-0.01	0.00	-0.01
divorced			0.04***	0.02***	0.02*	0.02***	0.02*
separated			0.04***	0.03***	0.02***	0.02***	0.02**
never married			0.01	-0.01	-0.02**	-0.02**	-0.03***
conservative				0.00	0.01	0.01	0.01
liberal				-0.03***	-0.02**	-0.03***	-0.03***
born in the U.S.				-0.02***	-0.02**	-0.00	-0.00
SWB				-0.13***	-0.14***	-0.12***	-0.13***
afraid to walk at night in neighborhood					0.09***		0.09***
white household						-0.12***	-0.12***
N	38236	33549	33545	27522	14034	27082	13799

*** p<0.01, ** p<0.05, * p<0.1;
robust std err

a poor social fabric in American suburbia (Duany et al., 2001; Kunstler, 2012; Kay, 1997). Overall, we find that having controlled for a standard set of misanthropy predictors, ~~the~~ midsize places are more misanthropic, and still the largest places are the most misanthropic in comparison to the smallest places (the base case for all estimates). Thus, the larger the place, the more misanthropy.

The addition of marital status in ~~model-Model~~ 3 ~~doesn't~~ does not change the estimates, and the addition of extra controls in ~~model-Model~~ 4 attenuates the slopes only slightly across all three measures of urbanicity. While the fullest specifications are the least biased in terms of omitted variables, the sample size is much smaller than the more basic models due to missing observations on additional variables. These ~~most~~ more elaborate specifications are rather over-saturated models with collinearity and too many non-essential controls. These models rather serve as a robustness check, and are not the most final or appropriate models. Note that Wilson (1985) did not control for variables added in ~~model~~ 4-Model 4 and beyond.

Model 4a adds “AFRAID TO WALK AT NIGHT IN NEIGHBORHOOD” to ~~model-Model~~ 4, and ~~model~~ Model 4b adds a “WHITE HOUSEHOLD” dummy to ~~model-Model~~ 4, and finally ~~model-Model~~ 4c adds

Table 3: OLS regressions of misanthropy. Beta (fully standardized) coefficients reported. All models include year dummies. SRCBELT (base: small rur).

	c1	c2	c3	c4	c4a	c4b	c4c
small urb	-0.01	0.02**	0.02*	0.01*	0.02*	0.01	0.02
13-100 sub	-0.01	0.04***	0.04***	0.03***	0.02*	0.02***	0.02
1-12 sub	-0.00	0.06***	0.05***	0.04***	0.04***	0.03***	0.03***
13-100 msa	0.03***	0.04***	0.04***	0.04***	0.02	0.02***	-0.00
1-12 msa	0.08***	0.09***	0.08***	0.07***	0.05***	0.05***	0.03***
South	0.12***	0.10***	0.10***	0.10***	0.09***	0.09***	0.08***
subjective class identification		-0.10***	-0.10***	-0.09***	-0.09***	-0.08***	-0.08***
family income in \$1986, millions		-0.08***	-0.07***	-0.06***	-0.05***	-0.05***	-0.04***
protestant		-0.01	-0.00	0.00	0.01	-0.01	-0.01
catholic		-0.02***	-0.02***	-0.01*	-0.02*	-0.01	-0.02
unemployed		0.01**	0.01**	0.00	0.00	0.00	0.00
age		-0.33***	-0.35***	-0.39***	-0.47***	-0.41***	-0.50***
age squared		0.13***	0.14***	0.18***	0.25***	0.21***	0.29***
highest year of school completed		-0.24***	-0.24***	-0.22***	-0.21***	-0.22***	-0.20***
male		0.03***	0.03***	0.02***	0.04***	0.03***	0.05***
married			0.00	0.00	0.00	0.00	0.00
widowed			0.02***	0.01	-0.01	0.00	-0.01
divorced			0.04***	0.02***	0.02*	0.02***	0.02*
separated			0.04***	0.03***	0.02***	0.02***	0.02*
never married			0.01	-0.01	-0.02**	-0.02***	-0.03***
conservative				0.00	0.01	0.01	0.01
liberal				-0.03***	-0.02**	-0.03***	-0.03***
born in the U.S.				-0.02***	-0.01*	-0.00	0.00
SWB				-0.13***	-0.14***	-0.12***	-0.13***
afraid to walk at night in neighborhood					0.09***		0.09***
white household						-0.12***	-0.12***
N	38236	33549	33545	27522	14034	27082	13799

*** p<0.01, ** p<0.05, * p<0.1;
robust std err

both variables. The rationale for the three models 4a, 4b, and 4c is that the sample size drops by about half due to missing data when adding “AFRAID TO WALK AT NIGHT IN NEIGHBORHOOD” to the model. Furthermore, race is likely to play a role not only with respect to urbanicity and misanthropy, but it may also correlate with being “AFRAID TO WALK AT NIGHT IN NEIGHBORHOOD,” e.g., whites may be more afraid than others. We use the three models 4a, 4b, and 4c with different combinations of the two variables to test robustness of the results.

In ~~table 1in model~~ [Table 1, Model a4c](#) and ~~table 2in model~~ [Table 2, Model b4c](#), the largest places remain significantly more misanthropic than the base case. Yet, the magnitude of the effect on the largest places is not greater than that for mid-sized places, suburbs, and even the countryside. Such result could be puzzling. But as argued earlier, SRCBELT is the variable that probably best captures the urban-rural divide, and [when](#) using SRCBELT in ~~table 3, even oversaturated model~~ [Table 3, we find that even the oversaturated Model c4c](#) shows that it is the largest places (both 1-12 msa, and 1-12 sub) that are markedly more misanthropic than all other places vs. the base case, the smallest places.

The overall conclusion is that the places housing up to a few thousand people (except for the countryside) are the most liking and trusting of humankind (the least misanthropic). In other words, there is misanthropy in larger places, especially [in](#) the largest places—places that have a population

bigger than several hundred thousand people versus the smallest places (up to a few thousand people, and not the countryside).

The effect sizes are considerable—all tables report beta coefficients and the effect size of the largest place is at least about as large as half of the effect of income. To summarize, we find a weak to moderate support for our initial hypothesis that urbanicity is related to increased misanthropy. The results are only weak to moderate, and not strong, because the effect sizes are small to moderate, and not large. In addition, there are caveats to the results as elaborated in the discussion section.

Analysis Over Time

We complement our pooled data analysis with an investigation of over-time change in the relationship between urbanicity and misanthropy—again, the advantage of the GSS is a long time span of 1972-2016. Figure 1 plots misanthropy by size of place over time.

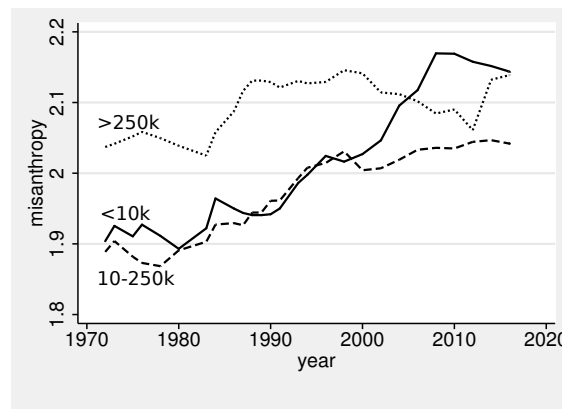


Figure 1: Misanthropy by size of population over time. Smoothed with moving average filter using 3 lagged, current, and 3 forward terms.

Overall, misanthropy remained highest in the large cities until about 2005. Around 2000, the trends have changed—misanthropy for the largest cities (>250k) started to decline, and misanthropy for the smallest places (<10k) started to increase steeply. Misanthropy for medium sized places (10-250k) has been mostly increasing over 1972-2016. Hence, the finding of urban misanthropy for the largest places is due to the pre-2005 period. These patterns are similar when controlling for predictors of misanthropy. Predicted values from the regression ~~model-Model~~ a3a in ~~table-Table~~ 6 in the SOM are plotted in ~~figure~~ Figure 2.

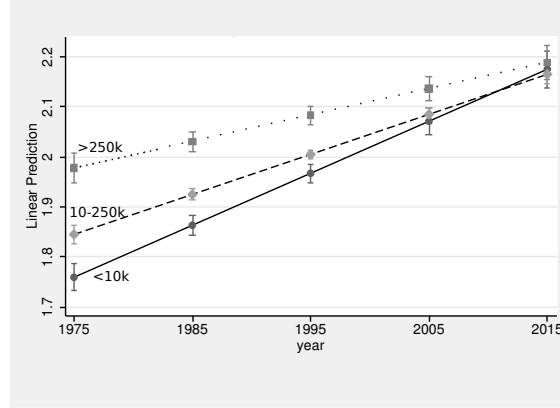


Figure 2: Misanthropy by size of population over time. Predicted values from the regression ~~on~~ in column a3a from table 6 in the SOM. 95% CI shown.

There is convergence in misanthropy across urbanicity over time, with the smallest places increasing their level of misanthropy the most. Misanthropy has increased across all urbanicity levels in the US over 1972-2016, but it has increased the most in the smallest places. Note that the interactive regression specification used to produce the predicted values plotted in ~~figure~~ Figure 2 is a time-linear model, which does not allow for nonlinearities observed for the raw values in ~~figure~~ Figure 1.

~~In a few years as data become available, it will be instructive to find out whether the COVID19 pandemic has caused the trends to reverse. It's likely that the largest cities have become more misanthropic due to the pandemic.~~

Conclusion and Discussion

This study seeks to spark debate on an overlooked area of urban studies. Our results suggest the existence of *Misanthropolis*—~~a misanthropic~~ misanthropic metropolis, where distrust and dislike for humankind abound.~~The term *misanthropolis* has been coined by one of the authors.~~²

In this article we have focused on a ~~remarkably~~ novel area, the urbanicity-misanthropy nexus. Evolution (small group living), ~~classical urban sociological theory, and~~ homophily or ingroup preference~~all~~ , and classic urban sociological theory suggest that human dislike for other humans should be observed in the most dense and heterogeneous places such as metropolitan areas and large cities. Our results mostly agree: misanthropy ~~levels are the lowest in the smallest settlements (but not in the countryside)~~ is highest in cities larger than several hundred thousand people. There are caveats, however.

First, the effect sizes are small to moderate, about half of the effect of income. Second, it is only the

²The term *misanthropolis* was coined by one of the authors.

second study (after Wilson, 1985) on the topic and more data and research are needed to form reliable conclusions. Third, the urban misanthropy thesis holds up relatively robustly only for the largest cities or metropolitan areas (larger than several hundred thousand people). Some places in between, such as larger towns or suburbs, are not misanthropic depending on the model specification. Fourth, the level of misanthropy in smaller areas is now reaching about the same level as in large cities. ~~Fifth~~In addition, our study uses ~~the~~ US data only, and the conclusions may not generalize outside of the ~~US~~United States. Finally, this is a correlational study, and causality may not be present.

For these reasons, the evidence in support of our urban misanthropy thesis is weak to moderate. We would like to stress, however, that we do find strong evidence that, overall, cities are not less misanthropic than smaller places, and this in itself is a counter-intuitive finding worth of reporting ~~amidst current pro-urbanism discourse (e.g., Glaeser, 2011)~~and of future investigation. In addition, even the small to moderate effect size of urbanicity on misanthropy as found in this study, has an enormous practical combined effect size due to the sheer scale of urbanism—half of the world population is urban and growing by tens of millions every year. Hence, the small to moderate effect size found in the present study translate into large or very large effect in the aggregate.

~~We fill an extraordinary~~ Our study fills a gap in the ~~literature, where there exists only one study conducted thirty-seven years ago. Our study improves, extends, and updates urban studies literature by improving and extending~~ the research by Wilson (1985). Our analysis uses much more data spanning ~~4~~four decades, a larger set of control variables, and levels of size variables without forcing untenable assumption of interval/ratio scale and linear effects. Our results do not necessarily contradict, but rather extend Wilson (1985): there is misanthropy in the largest places and we find more robust evidence than Wilson (1985) in this regard. Concurrently, we confirm the finding by Fischer (1981) of a relatively strong relationship between community size and distrust. ~~In addition, we also~~ Notably, we find that rural misanthropy is on the rise.

~~The magnitude of the effect of urbanicity is important to discuss. There is evidence of a large magnitude effect of urbanicity on trusting behavior. In one experiment, trust differed several folds between city and town, a larger difference than across gender—the trust benefit of being female over male is smaller than the benefit of town over city (Milgram, 1970). While our results do not indicate a strong effect of urbanicity on misanthropy, we do find a substantial effect—about half of the effect of income in our analysis—contraposing Wilson (1985), who argued that there is only a small effect.~~

As in any correlational study, we cannot claim causality. There are, however, reasons to believe that ~~urbanism~~ urbanicity can cause misanthropy. Size, density, and heterogeneity are theoretically linked to many negative emotions (Wirth, 1938), and make general dislike for humankind likely. Homophily and

evolutionary arguments discussed earlier also support this reasoning. Furthermore, there is neurological and experimental evidence that city living is unhealthy to the human brain (Lederbogen et al., 2011) and ~~experimental evidence that city living~~ causes lower trust (Milgram, 1970).

Reverse causality would not make sense: misanthropy or distrust/dislike of people, should not lead someone to live in close proximity to many people, in a city; ~~unless perhaps one is self-destructive or wants to harm others—clearly such cases are rare.~~ This rationale should also exclude self-selection—if anything, people who love to be among people, not misanthropes, would choose to move to ~~cities. This can also perhaps explain the result~~ and/or stay in cities. Perhaps, this reasoning can explain the results showing that while misanthropy is high in the largest cities, it is also high in the countryside. Arguably, many people tired of urban crowds move to the countryside (e.g., Dewey, 2017). On the other hand, ~~another~~ a potential reason for a misanthrope, or any non-conformist type, to live in a city (or wilderness; but not in a village or small town), is anonymity.

Can the relationship between urbanicity and misanthropy be spurious? Cities have many problems: notably urban poverty and urban ~~crime—these problems could~~ crime which can intensify misanthropy. ~~In other words, urban areas without urban problems may not cause misanthropy.~~ We cannot control for all urban problems, but we have controlled for the key urban problem leading to misanthropy: fear of crime, and we also accounted for poverty by controlling for family income. Still, would there be urban misanthropy if there were no urban problems? Should we expect misanthropy in a city with low crime rates, low levels of inequality, plentiful affordable amenities, parks, public spaces, and so forth? ~~There is still likely to be urban misanthropy~~ It's possible that urban areas devoid of urban problems may not experience misanthropy. However, urban misanthropy could still be present even in the absence of urban problems. ~~—All because, at least to some degree, it is the city itself, its core characteristics that can lead to misanthropy: all~~ large cities have large population, moderate-high or high density, and usually moderate or high heterogeneity as compared to smaller ~~places—these are the likely drivers of misanthropy. Indeed, some places. Some~~ degree of misanthropy arguably is is arguably a natural state of urban life—we concur with Thrift that: “misanthropy is a natural condition of cities, one which cannot be avoided and will not go away” (Thrift, 2005).

Two apparently important missing variables are measures of discontent and inequality. However, both inequality (e.g., Daley, 2020) and arguably discontent, especially recently (e.g., Case and Deaton, 2015; Hanson, 2015; Fuller, 2017) are higher in rural areas. Therefore, potential left out variable bias actually makes our results conservative—our pooled results would have been stronger, had we controlled for these variables. And our over-time analysis would ~~arguably have indicated~~ possibly have indicated a smaller increase (if any) in rural misanthropy, had we controlled for inequality and especially discontent.

In addition, Americans are quite resilient to inequality, at least as compared to Europeans (Alesina et al., 2004), and hence inequality may not matter much for misanthropy in the US. Still, future research should test whether inequality and discontent affect these results.

Future research should also control for numerous urban amenities (e.g., parks, public spaces) affecting quality of life in cities, and examine the urbanity-misanthropy nexus of specific metropolitan areas in the United States. The GSS public version of the dataset used here does not allow for identification of municipalities. Another venue for future research is to examine the effect of urbanicity during one's childhood: does urban upbringing affect one's misanthropy later in life? We know that urban upbringing has negative consequences on neural processing and subjective wellbeing (SWB) later in life (Lederbogen et al., 2011; Okulicz-Kozaryn and Valente, 2020).

Why are smaller places becoming more misanthropic? One possible explanation is that rural folks and smaller places are being left behind (Fuller, 2017; Hanson, 2015; Okulicz-Kozaryn, 2018; Okulicz-Kozaryn and Valente, 2018; Okulicz-Kozaryn, 2015b)—rural areas are economically disadvantaged (Glaeser, 2011; O'Sullivan, 2009; Florida, 2021)—economic and educational opportunities, as well as other social benefits seem to abound in cities as previously discussed, ~~and in general there is a pro-urban bias in world development (Lipton et al., 1977). There is clearly rural resentment which.~~ It's possible that rural resentment could lead to increasing rural misanthropy, which we observed in this study, particularly as rural folks feel that they are being governed by an urbanized elite (Wuthnow, 2018; Fuller, 2017).

Smith (1997) argued that the more subordinate a group is, and the more isolated the members of the group are, the greater the level of misanthropy. This could help explain rural misanthropy. Although, the rural resentment may be more against cities or urbanites, rather than people in general. ~~We thank an anonymous reviewer for this point~~³More research is needed to better understand this phenomenon in rural areas.

Takeaway for Policy and Practice

It is undeniable that there are multiple economic, environmental, and social advantages to cities. Cities are largely necessary, and so is perhaps urban misanthropy—to survive and function in a city. This echoes Simmel's blase attitude ~~of~~ comment when describing an urbanite—in order to survive and function in a city, one must withdraw (Simmel, 1903). Or as put commonsensically by Charlie Brooker: “I live in London [...] Misanthropy's the only thing that gets you through it. It's not a person-

³We thank an anonymous reviewer for this point. More discussion is available in the Supplementary Online Material (SOM).

ality flaw, it's a skill." ~~Recent neurological~~ Neurological (Lederbogen et al., 2011) and experimental (Milgram, 1970) evidence confirms Simmel's ~~observations—urban way of life is unhealthy to human brain~~ (Lederbogen et al., 2011). ~~Also see Milgram (1970) for experimental evidence documenting negative effects of urban way of life.~~ observations. There are serious disadvantages ~~of urban way of~~ to urban life, and they should be taken into account by planners and practitioners.

~~The US and world populations are projected to grow for some time and perhaps level off, but a dramatic decline is unlikely. Achieving low-density non-urban living for most people is unrealistic, but more~~ More consideration should be given to smaller areas that have been left behind, as lamented by some (e.g., Fuller, 2017; Hanson, 2015), but not heard by most. An alarming emergency is the so called “deaths of despair”—Americans killing themselves out of despair—and the problem is more rural than urban or suburban (Case and Deaton, 2015, 2020). Denying resources to smaller places should be given more thought and consideration.

Although heterogeneity can contribute to misanthropy in cities, if mechanisms are in place to facilitate dialogue across different groups and if people are encouraged to interact with each other, that is, if the “melting pot” really happens, and the “other” becomes a fellow human being, then diversity can yield important social and economic benefits (Rodríguez-Pose and von Berlepsch, 2019). ~~There~~ Thus, there is a case to be made in favor of more recreational opportunities and events, community services, and social spaces in the largest cities to promote social connections and create a sense of community. Future research should determine whether these recommendations can curtail misanthropy in cities. Auxiliary evidence already ~~exists. Again, distrust exists—distrust~~ and dislike are largely about strangers and outgroups (Wilson, 1985; Delhey et al., 2011), and ~~we know interventions to~~ interventions can turn outgroups into ingroups, e.g., a new group such as a sports team can be formed to turn strangers into an ingroup (e.g., Smith et al., 2010).

Misanthropy may not seem tangible or meaningful for urban planners and practitioners at a first glance. When consideration is given to how misanthropy can cause negative outcomes, however, there are reasons to be concerned. Misanthropy reduces people's desire to invest and to be involved in their communities and may remove social bonds that deter people from harming others (Weaver, 2006; Hirschi and Gottfredson, 1993; Fafchamps and Minten, 2006; Walters and DeLisi, 2013). Furthermore, misanthropy is correlated with dysfunctional and animus behaviors such as homophobia, sexism, racism, and ageism (Cattacin et al., 2006). Overall, misanthropy can arguably contribute to isolation and loneliness—urban problems with serious consequences that city planners have to grapple with.

~~It~~ Given our findings, it is impossible to overlook the current ~~COVID19 pandemic—infectious disease spread the worst in large cities~~ COVID-19 pandemic effects—large cities in general experience the worst

infectious diseases spread (Bettencourt et al., 2010). This health crisis will arguably further exacerbate misanthropy in the largest metropolitan areas, as fear and suspicion of the ‘other’ increases—many people have fled New York City, for example, to stay away from other people. The avoidance and distrust of ‘others’ due to fear of infection, particularly in the largest and densest cities, may have intensified misanthropy and should be considered as well.

References

- ALESINA, A., R. DI TELLA, AND R. MACCULLOCH (2004): “Inequality and Happiness: Are Europeans and Americans Different?” *Journal of Public Economics*, 88, 2009–2042.
- ALESINA, A. AND E. L. FERRARA (2000): “Participation in Heterogeneous Communities,” *National Bureau of Economic Research Working Paper*.
- ALESINA, A. AND E. LA FERRARA (2002): “Who trusts others?” *Journal of public economics*, 85, 207–234.
- ALESINA, A. AND B. WEDER (2002): “Do corrupt governments receive less foreign aid?” *American economic review*, 92, 1126–1137.
- ALONSO, W. (1960): “A theory of the urban land market,” *Papers in Regional Science*, 6, 149–157.
- (1971): “The economics of urban size,” *Papers in Regional Science*, 26, 67–83.
- AMIN, A. (2006): “The good city,” *Urban studies*, 43, 1009–1023.
- BERRY, B. J. AND A. OKULICZ-KOZARYN (2011): “An Urban-Rural Happiness Gradient,” *Urban Geography*, 32, 871–883.
- 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.

- BLEIDORN, W., F. SCHÖNBRODT, J. E. GEBAUER, P. J. RENTFROW, J. POTTER, AND S. D. GOSLING (2016): “To Live Among Like-Minded Others: Exploring the Links Between Person-City Personality Fit and Self-Esteem.” *Psychological Science*.
- BLOCH, R. H. AND F. FERGUSON (1987): *Misogyny, misandry, and misanthropy*, 3, Univ of California Press.
- CALHOUN, J. B. (1962): “Population density and social pathology.” *Scientific American*.
- CAPELLO, R. AND R. CAMAGNI (2000): “Beyond optimal city size: an evaluation of alternative urban growth patterns,” *Urban Studies*, 37, 1479–1496.
- CASE, A. AND A. DEATON (2015): “Rising morbidity and mortality in midlife among white non-Hispanic Americans in the 21st century,” *Proceedings of the National Academy of Sciences*, 112, 15078–15083.
- (2020): *Deaths of Despair and the Future of Capitalism*, Princeton University Press.
- CATTACIN, S., B. C. GERBER, M. SARDI, AND R. WEGENER (2006): “Monitoring misanthropy and rightwing extremist attitudes in Switzerland. An explorative study,” *Working Paper*.
- CHARLESWORTH, M. (2014): “Couple squeezes into one of Manhattan’s tiniest apartments,” *Real Estate, EyeWitness News, ABC*.
- CHAVIS, D. M. AND A. WANDERSMAN (2002): “Sense of community in the urban environment: A catalyst for participation and community development,” in *A quarter century of community psychology*, Springer, 265–292.
- CHEN, X., H. OROM, J. L. HAY, E. A. WATERS, E. SCHOFIELD, Y. LI, AND M. T. KIVINIEMI (2019): “Differences in rural and urban health information access and use,” *The Journal of Rural Health*, 35, 405–417.
- COOPER, D. E. (2018): *Animals and Misanthropy*, Routledge.
- DALEY, B. (2020): “Income inequality is getting worse in US urban areas,” *The Conversation*.
- DAVIS, J. A., T. W. SMITH, AND P. V. MARSDEN (2007): *General Social Surveys, 1972-2006 [Cumulative File]*, Inter-university Consortium for Political and Social Research.
- DELHEY, J., K. NEWTON, AND C. WELZEL (2011): “How general is trust in ”most people”? Solving the radius of trust problem,” *American Sociological Review*, 76, 786–807.

- DEWEY, C. (2017): “A growing number of young Americans are leaving desk jobs to farm,” *Washington Post*.
- DUANY, A., E. PLATER-ZYBERK, AND J. SPECK (2001): *Suburban nation: The rise of sprawl and the decline of the American dream*, North Point Press, New York NY.
- ELGIN, D. (1975): *City size and the quality of life*, US Government Printing Office.
- FAFCHAMPS, M. AND B. MINTEN (2006): “Crime, transitory poverty, and isolation: Evidence from Madagascar,” *Economic Development and Cultural Change*, 54, 579–603.
- FISCHER, C. S. (1975): “Toward a subcultural theory of urbanism,” *American Journal of Sociology*, 80, 1319–1341.
- (1981): “The public and private worlds of city life,” *American Sociological Review*, 306–316.
- (1982): *To dwell among friends: Personal networks in town and city*, University of Chicago Press, Chicago IL.
- (1995): “The subcultural theory of urbanism: A twentieth-year assessment,” *American Journal of Sociology*, 543–577.
- FLORIDA, R. (2021): “Discontent and its geographies,” *Cambridge Journal of Regions, Economy and Society*.
- FLORIDA, R., C. MELLANDER, AND P. J. RENTFROW (2013): “The happiness of cities,” *Regional Studies*, 47, 613–627.
- 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*.
- FULLER, T. (2017): “California’s Far North Deplores Tyranny of the Urban Majority,” *The New York Times*.
- GIBSON, A. (2017): *Misanthropy: The Critique of Humanity*, Bloomsbury Publishing.
- GLAESER, E. (2011): *Triumph of the City: How Our Greatest Invention Makes Us Richer, Smarter, Greener, Healthier, and Happier*, Penguin Press, New York NY.

- GLAESER, E. L. AND B. SACERDOTE (1999): “Why is there more crime in cities?” *Journal of political economy*, 107, S225–S258.
- 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.
- HERBST, C. AND J. LUCIO (2014): “Happy in the Hood? The Impact of Residential Segregation on Self-Reported Happiness,” *IZA Discussion Paper*.
- HIRSCHI, T. AND M. GOTTFREDSON (1993): “Commentary: Testing the general theory of crime,” *Journal of research in crime and delinquency*, 30, 47–54.
- JOWETT, B., H. W. C. DAVIS, ET AL. (1920): *Aristotle’s politics*, The Internet Classics Archive: <http://classics.mit.edu//Aristotle/politics.html>.
- KAY, J. H. (1997): *Asphalt nation: how the automobile took over America, and how we can take it back*, University of California Press, Berkeley CA.
- KEELING, P. (2013): “Wilderness, people, and the false charge of misanthropy,” *Environmental Ethics*, 35, 387–405.
- KOTKIN, J. (2013): “Richard Florida concedes the limits of the creative class.” *The Dailybeast*.
- KRAUS, M. W., P. K. PIFF, AND D. KELTNER (2009): “Social class, sense of control, and social explanation.” *Journal of personality and social psychology*, 97, 992.
- KRULICHOVÁ, E. ET AL. (2018): “Life satisfaction and happiness: discussing the impact of fear of crime and victimization,” *Acta Universitatis Carolinae Philosophica et Historica*, 24, 23–37.
- KUNSTLER, J. H. (2012): *The geography of nowhere*, Simon and Schuster, New York NY.
- LEDERBOGEN, F., P. KIRSCH, L. HADDAD, F. STREIT, H. TOST, P. SCHUCH, S. WUST, J. C. PRUESSNER, M. RIETSCHER, M. DEUSCHLE, AND A. MEYER-LINDENBERG (2011): “City living and urban upbringing affect neural social stress processing in humans,” *Nature*, 474.
- LEHMANN, S. (2022): “Homo- und Transfeindlichkeit ist keine Meinung - sondern Menschenfeindlichkeit,” *Die Welt*.

- LIPTON, M. ET AL. (1977): *Why poor people stay poor: a study of urban bias in world development*, London: Canberra: Temple Smith; Australian National University Press.
- LUTTMER, E. (2001): “Group loyalty and the taste for redistribution,” *Journal of Political Economy*, 109, 500–528.
- MACKE, J., J. A. R. SARATE, AND S. DE ATAYDE MOSCHEN (2019): “Smart sustainable cities evaluation and sense of community,” *Journal of Cleaner production*, 239, 118103.
- MARSDEN, P. V., T. W. SMITH, AND M. HOUT (2020): “Tracking US social change over a half-century: The general social survey at fifty,” *Annual Review of Sociology*, 46, 109–134.
- MARYANSKI, A. AND J. H. TURNER (1992): *The social cage: Human nature and the evolution of society*, Stanford University Press.
- MAZUMDAR, S., V. LEARNIHAN, T. COCHRANE, AND R. DAVEY (2018): “The built environment and social capital: A systematic review,” *Environment and Behavior*, 50, 119–158.
- MCPHERSON, M., L. SMITH-LOVIN, AND J. M. COOK (2001): “Birds of a feather: Homophily in social networks,” *Annual Review of Sociology*, 415–444.
- MELGAR, N., M. ROSSI, AND T. W. SMITH (2013): “Individual attitudes toward others, misanthropy analysis in a cross-country perspective,” *American journal of economics and sociology*, 72, 222–241.
- MEYER, W. B. (2013): *The Environmental Advantages of Cities: Countering Commonsense Antiurbanism*, MIT Press, Cambridge MA.
- MILGRAM, S. (1970): “The experience of living in cities,” *Science*, 167, 1461–1468.
- MISRA, T. (2015): “New York City Apartments Are Getting Even More Crowded,” *City Lab*.
- MOHR, L. B. (1995): *Impact Analysis for Program Evaluation*, Sage, Beverly Hills CA, second edition ed.
- MOLOTCH, H. (1976): “The city as a growth machine: Toward a political economy of place,” *American journal of sociology*, 82, 309–332.
- MOURATIDIS, K. (2017): “Built environment and social well-being: How does urban form affect social life and personal relationships?” *Cities*, 74, 7–20.

- (2018): “Rethinking how built environments influence subjective well-being: a new conceptual framework,” *Journal of Urbanism: International Research on Placemaking and Urban Sustainability*, 11, 24–40.
- NETTLER, G. (1957): “A measure of alienation,” *American Sociological Review*, 22, 670–677.
- NGUYEN, D. (2010): “Evidence of the impacts of urban sprawl on social capital,” *Environment and Planning B: Planning and Design*, 37, 610–627.
- NIETZSCHE, F. W. AND G. PARKES (2005): *Thus spoke Zarathustra: A book for everyone and nobody*, Oxford University Press, New York NY.
- OKULICZ-KOZARYN, A. (2015a): “Are we happier among our own race?” *Unpublished*.
- (2015b): *Happiness and Place. Why Life is Better Outside of the City.*, Palgrave Macmillan, New York NY.
- (2018): “Urban Misanthropy: Cities and Dislike of Humankind,” *Unpublished*.
- OKULICZ-KOZARYN, A., O. HOLMES IV, AND D. R. AVERY (2014): “The Subjective Well-Being Political Paradox: Happy Welfare States and Unhappy Liberals.” *Journal of Applied Psychology*, 99, 1300–1308.
- OKULICZ-KOZARYN, A. AND R. VALENTE (2020): “The perennial dissatisfaction of urban upbringing,” *Cities*.
- OKULICZ-KOZARYN, A. AND R. R. VALENTE (2017): “The Unconscious Size Fetish: Glorification and Desire of the City,” in *Psychoanalysis and the Global*, ed. by I. Kapoor, University of Nebraska Press.
- (2018): “No Urban Malaise for Millennials,” *Regional Studies*.
- (2021): “Urban unhappiness is common,” *Cities*, 103368.
- O’SULLIVAN, A. (2009): *Urban economics*, McGraw-Hill.
- OSWALD, A. (2014): “Keynote II,” *2014 Wellbeing and Public Policy Conference at Hamilton College*.
- PALISI, B. AND F. CANNING (1983): “Urbanism and Social Psychological Well-Being: A Cross-Cultural Test of Three Theories,” *Sociological Quarterly*, 24, 527–543.
- 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.
- PAWSON, R. AND N. TILLEY (1997): *Realistic evaluation*, Sage, Beverly Hills CA.
- PECK, J. (2016): “Economic Rationality Meets Celebrity Urbanology: Exploring Edward Glaeser’s City,” *International Journal of Urban and Regional Research*, 40, 1–30.
- PILE, S. (2005a): *Real cities: modernity, space and the phantasmagorias of city life*, Sage, Beverly Hills CA.
- (2005b): “Spectral Cities: Where the Repressed Returns and Other Short Stories,” in *Habitus: A sense of place*, ed. by J. Hillier and E. Rooksby, Ashgate Aldershot.
- PILE, S., C. BROOK, AND G. MOONEY (1999): “Unruly cities,” *Order/disorder*.
- POSTMES, T. AND N. R. BRANSCOMBE (2002): “Influence of long-term racial environmental composition on subjective well-being in African Americans,” *Journal of personality and social psychology*, 83, 735.
- PUTNAM, R. (2007): “E pluribus unum: Diversity and community in the twenty-first century,” *Scandinavian Political Studies*, 30, 137–174.
- RAY, J. J. (1981): “Conservatism and misanthropy,” *Political Psychology*, 3, 158–172.
- REGOECZI, W. C. (2008): “Crowding in context: an examination of the differential responses of men and women to high-density living environments,” *Journal of Health and Social Behavior*, 49, 254–268.
- RICHARDSON, H. W. (1972): “Optimality in city size, systems of cities and urban policy: a sceptic’s view,” *Urban Studies*, 9, 29–48.
- RODRÍGUEZ-POSE, A. AND V. VON BERLEPSCH (2019): “Does population diversity matter for economic development in the very long term? Historic migration, diversity and county wealth in the US,” *European Journal of Population*, 35, 873–911.
- ROSENBERG, M. (1956): “Misanthropy and political ideology,” *American Sociological Review*, 21, 690–695.
- (1957): “Misanthropy and attitudes toward international affairs,” *Journal of Conflict Resolution*, 340–345.

- ROSENTHAL, S. S. AND W. C. STRANGE (2002): “The urban rat race,” *Syracuse University Working*.
- SCHUETZ, J. (2019): “Cost, crowding, or commuting? Housing stress on the middle class,” *Brookings*.
- SIMMEL, G. (1903): “The metropolis and mental life,” *The Urban Sociology Reader*, 23–31.
- SINGELL, L. D. (1974): “Optimum city size: Some thoughts on theory and policy,” *Land Economics*, 207–212.
- SMELSER, N. J. AND J. C. ALEXANDER (1999): *Diversity and its discontents: cultural conflict and common ground in contemporary American society*, Princeton University Press, Princeton NJ.
- SMITH, J. A., J. MARSH, AND R. MENDOZA-DENTON, eds. (2010): *Are We Born Racist?: New Insights from Neuroscience and Positive Psychology*, Boston MA: Beacon Press.
- SMITH, J. A., M. MCPHERSON, AND L. SMITH-LOVIN (2014): “Social Distance in the United States Sex, Race, Religion, Age, and Education Homophily among Confidants, 1985 to 2004,” *American Sociological Review*, 79, 432–456.
- SMITH, T. W. (1997): “Factors relating to misanthropy in contemporary American society,” *Social Science Research*, 26, 170–196.
- SOLARI, C. D. (2019): “America’s Housing Is Getting More Crowded. How Will That Affect Children?” *Urban Institute*.
- STEPHAN, G. E. AND D. R. McMULLIN (1982): “Tolerance of sexual nonconformity: City size as a situational and early learning determinant,” *American Sociological Review*, 411–415.
- STEVENSON, A. AND J. WU (2019): “Tiny Apartments and Punishing Work Hours: The Economic Roots of Hong Kong’s Protests,” *The New York Times*.
- THRIFT, N. (2005): “But malice aforethought: cities and the natural history of hatred,” *Transactions of the institute of British Geographers*, 30, 133–150.
- TÖNNIES, F. ([1887] 2002): *Community and society*, DoverPublications.com, Mineola NY.
- TUCH, S. A. (1987): “Urbanism, region, and tolerance revisited: The case of racial prejudice,” *American Sociological Review*, 504–510.
- VALENTE, R. R. AND A. OKULICZ-KOZARYN (2020): “Religiosity and trust: evidence from the United States,” *Review of Religious Research*, 1–37.

- VEENHOVEN, R. (1994): “How Satisfying is Rural Life?: Fact and Value,” in *Changing Values and Attitudes in Family Households with Rural Peer Groups, Social Networks, and Action Spaces: Implications of Institutional Transition in East and West for Value Formation and Transmission*, ed. by J. Cecora, Society for Agricultural Policy Research and Rural Sociology (FAA).
- VELSEY, K. (2016): “So you think your place is small?” *The New York Times*.
- VOGT YUAN, A. S. (2007): “Racial composition of neighborhood and emotional well-being,” *Sociological Spectrum*, 28, 105–129.
- WALTERS, G. D. AND M. DELISI (2013): “Antisocial cognition and crime continuity: Cognitive mediation of the past crime-future crime relationship,” *Journal of Criminal Justice*, 41, 135–140.
- WEAVER, C. N. (2006): “Trust in people among Hispanic Americans,” *Journal of Applied Social Psychology*, 36, 1160–1172.
- WEICHSELBAUM, S. (2013): “The smallest apartment in New York—barely bigger than a prison cell for \$1,275 a month,” *NY Daily News*.
- WEINBERG, N. (2011): “How Can Cities be Preemptive and Effective in Preventing Overcrowding?” *Datasmart-Harvard*.
- WELCH, M., D. SIKKINK, AND M. LOVELAND (2007): “The radius of trust: Religion, social embeddedness and trust in strangers,” *Social Forces*, 86, 23–46.
- WHITE, M. G. AND L. WHITE (1977): *The intellectual versus the city: from Thomas Jefferson to Frank Lloyd Wright*, Oxford University Press, Oxford UK.
- WILSON, T. C. (1985): “Urbanism, misanthropy and subcultural processes.” *The Social Science Journal*.
- WIRTH, L. (1938): “Urbanism as a Way of Life,” *American Journal of Sociology*, 44, 1–24.
- WUENSCH, K. L., K. W. JENKINS, AND G. M. POTEAT (2002): “Misanthropy, idealism and attitudes towards animals,” *Anthrozoös*, 15, 139–149.
- WUTHNOW, R. (2018): *The Left Behind: Decline and Rage in Rural America*, Princeton University Press.
- YONEDA, Y. (2012): “Woman’s Impossibly Tiny 90 Sq. Ft. Manhattan Apartment is One of the Smallest in NYC,” *InHabitat*.

SOM-R (Supplementary Online Material-for Review)

0.1 ~~Engels Description of Industrial City~~

~~The literature exploring the nexus between urbanicity and misanthropy is relatively small as discussed in the paper. In the following subsections we provide more detail of this relationship by exploring how scholars from different fields have portrayed cities and discussed urban misanthropy.~~

~~“In a-~~

0.1 ~~Amin’s and Thrift’s insights motivating the present study~~

~~Our study is largely inspired by Amin (2006) and Thrift (2005), whose sharp observation of the urban way of life suggest the existence of urban misanthropy:~~

~~cities are polluted, unhealthy, tiring, overwhelming, confusing, alienating. They are places of low-wage work, insecurity, poor living conditions and dejected isolation for the many at the bottom of the social ladder daily sucked into them. They hum with the fear and anxiety linked to crime, helplessness and the close juxtaposition of strangers. They symbolize the isolation of people trapped in ghettos, segregated areas and distant dormitories, and they express the frustration and ill-temper of those locked into long hours of work or travel (Amin, 2006, p. 1011).~~

~~Many key urban experiences are the result of juxtapositions which are, in some sense, dysfunctional, which jar and scrape and rend. [...] There is, in other words, a misanthropic thread that runs through the modern city, a distrust and avoidance of precisely the others that many writers feel we ought to be welcoming in a world increasingly premised on the mixing which the city first brought into existence (Thrift, 2005, p. 140).~~

0.2 ~~Auxiliary Writings On Urbanism and Misanthropy~~

~~*“Here is the great city: here have you nothing to seek and everything to lose.” Nietzsche*~~

~~Steve Pile in his colorful writings about cities often invokes urban folklore characters that prey on humans in cities, e.g., vampires, werewolves, ghosts (Pile, 2005a,b; Pile et al., 1999). Specifically, old cities carry melancholia (Pile, 2005b), which can arguably translate into misanthropy.~~

~~Nietzsche, one of the greatest observers of the human condition suggested urban misanthropy by referring to urbanites as “the flies in the market-place” (Nietzsche and Parkes, 2005). He expressed~~

dislike for the masses in the city and expressed misanthropic views himself; accordingly, he left the more densely populated areas for solitude in the mountains. See for example (Nietzsche and Parkes, 2005).

0.3 Engels' Description of Industrial City

Gibson (2017) offered a misanthropic interpretation of urbanism saying: "Houellebecq matches this vision of hell with an insistent evocation of the anomic urban and metropolitan cityscapes (p. 220)," and previously on page 153 said:

Sitwell's city is the citta infernale [hell city], and the city is where one confronts essential truth: nature, by contrast, is incidental, exists as nooks and byways. In the urban 'circles of hell,' Sitwell writes, all the forms of misery congregate together. Here one learns all one needs about the 'old tyrannies and cruelties,' 'the rankness of all human nature,' 'this muddle and waste that we have made of the world.' Cities are places where 'men have created and known fear' as a consequence of 'the man-made chasms' between them.

Such description of urbanism reminds of Engels' classic vivid description of the industrial city:

In a rather deep hole, in a curve of the Medlock and surrounded on all four sides by tall factories and high embankments, covered with buildings, stand two groups of about two hundred cottages, built chiefly back to back, in which live about four thousand human beings, most of them Irish. The cottages are old, dirty, and of the smallest sort, the streets uneven, fallen into ruts and in part without drains or pavement; masses of refuse, offal and sickening filth lie among standing pools in all directions; the atmosphere is poisoned by the effluvia from these, and laden and darkened by the smoke of a dozen tall factory chimneys. A horde of ragged women and children swarm about here, as filthy as the swine that thrive upon the garbage heaps and in the puddles. In short, the whole rookery furnishes such a hateful and repulsive spectacle as can hardly be equalled in the worst court on the Irk. The race that lives in these ruinous cottages, behind broken windows, mended with oilskin, sprung doors, and rotten doorposts, or in dark, wet cellars, in measureless filth and stench, in this atmosphere penned in as if with a purpose, this race must really have reached the lowest stage of humanity. ²²

This quote is from <https://www.marxists.org/archive/marx/works/1845/condition-working-class/ch04.htm>, where there is even more elaboration and description.

0.4 ~~GSS Codebook Descriptions of Urbanicity Measures.~~

This quote is particularly relevant since urbanization started with the industrial revolution. Arguably, the main rationale for urbanism has been capitalistic and economic (O’Sullivan, 2009; Glaeser, 2011). See for instance Harvey (2012); Okulicz-Kozaryn (2015b); Molotch (1976).

0.4 Homophobia and Transphobia As Misanthropy

As previously discussed, a notable advantage of cities is that they are more welcoming and tolerant than other places (Park et al., [1925] 1984; Tuch, 1987; Wirth, 1938; Stephan and McMullin, 1982; Okulicz-Kozaryn and . Manifestations of homophobia and transphobia are arguably not an opinion, but rather an expression of misanthropy (Lehmann, 2022). It is somewhat surprising, or paradoxical, that misanthropy is higher in cities as argued here. What reconciles this apparent conflict is that as LGBTQ awareness increased over the four decades studied here, the smallest places have become more misanthropic. Another point of consideration is that misanthropy might be conditional (e.g., someone might hate or dislike just a specific sect of the population) on the existing biases of people dwelling in cities, thus future research should consider how misanthropy varies across different groups of people taking an intersectional approach.

0.5 Google Scholar’s citation counts of Wilson (1985)

Remarkably, according to Google Scholar, Wilson (1985) is only cited by four studies thus far —Smith (1997) and 3 others—and none of these studies focus on misanthropy. Thus, aside from Wilson (1985), there is simply no literature on this topic. Given this thirty seven year gap in the literature, the present study is pioneering ground breaking research in the current generation of urban scholarship.

1 GSS Codebook Descriptions of Urbanicity Measures.

SIZE. This code is the population to the nearest 1,000 of the smallest civil division listed by the US Census (city, town, other incorporated area over 1,000 in population, township, division, etc.) which encompasses the segment. If a segment falls into more than one locality, the following rules apply in determining the locality for which the rounded population figure is coded. If the predominance of the listings for any segment are in one of the localities, the rounded population of that locality is coded. If the listings are distributed equally over localities in the segment, and the localities are all cities, towns, or villages, the rounded population of the larger city or town is coded. The same is true if the localities are all rural townships or divisions. If the listings are distributed equally over localities in the segment

and the localities include a town or village and a rural township or division, the rounded population of the town or village is coded.

XNORCSIZ. Expanded N.O.R.C. size code. a. A suburb is defined as any incorporated area or unincorporated area of 1,000+ (or listed as such in the US Census PC (1)-A books) within the boundaries of an SMSA but not within the limits of a central city of the SMSA. Some SMSAs have more than one central city, e.g., Minneapolis-St. Paul. In these cases, both cities are coded as central cities. b. If such an instance were to arise, a city of 50,000 or over which is not part of an SMSA would be coded '7'. c. Unincorporated areas of over 2,499 are treated as incorporated areas of the same size. Unincorporated areas under 1,000 are not listed by the Census and are treated here as part of the next larger civil division, usually the township.

SRCBELT. SRC beltcode. The SRC belt code (a coding system originally devised to describe rings around a metropolitan area and to categorize places by size and type simultaneously) first appeared in an article written by Bernard Laserwitz (American Sociological Review, v. 25, no. 2, 1960), and has been used subsequently in several SRC surveys. Its use was discontinued in 1971 because of difficulties particularly evident in the operationalization of "adjacent and outlying areas." For this study, however, we have revised the SRC belt code for users who might find such a variable useful. The new SRC belt code utilizes "name of place" information contained in the sampling units of the NORC Field Department.

1.1 ~~Variable Definitions, Descriptive Statistics, and Additional Results.~~

2 Variable Definitions, Descriptive Statistics, and Additional Results.

Below we show the variable definitions, basic descriptive statistics, and additional regression results.

Table 4: Variable definitions.

name	description
misanthropy	(misanthropy scale)
trust	"Generally speaking, would you say that most people can be trusted or that you can't be too careful in dealing with people?"
people fair or try to take advantage	"Do you think most people would try to take advantage of you if they got a chance, or would they try to be fair?"
people are helpful	"Would you say that most of the time people try to be helpful, or that they are mostly just looking out for themselves? (HELPFUL)"
srcbelt	SRC BELTCODE (see appendix for details)
xnorcsiz	EXPANDED N.O.R.C. SIZE CODE (see appendix for details)
size of place in 1000s	SIZE "Size of Place in thousands-A 4-digit number which provides actual size of place of interview."

Table 5: Variable definitions (continued).

name	description
family income in \$1986, millions	Income variables (INCOME72 , INCOME , INCOME77 , INCOME82 , INCOME86 , INCOME91 , INCOME98 , INCOME06) are recoded in six-digit numbers and converted to 1986 dollars. The collapsed numbers above are for convenience of display only. Since this variable is based on categorical data, income is not continuous, but based on categorical mid-points and imputations. For details see GSS Methodological Report No. 64.
protestant	"What is your religious preference? Is it Protestant, Catholic, Jewish, some other religion, or no religion?"
catholic	"What is your religious preference? Is it Protestant, Catholic, Jewish, some other religion, or no religion?"
conservative	"We hear a lot of talk these days about liberals and conservatives. I'm going to show you a seven-point scale on which the political views that people might hold are arranged from extremely liberal—point 1—to extremely conservative— point 7. Where would you place yourself on this scale?" "SLGHTLY CONSERVATIVE" or "CONSERVATIVE" or "EXTRMLY CONSERVATIVE"
liberal	"We hear a lot of talk these days about liberals and conservatives. I'm going to show you a seven-point scale on which the political views that people might hold are arranged from extremely liberal—point 1—to extremely conservative— point 7. Where would you place yourself on this scale?" "SLGHTLY LIBERAL" or "LIBERAL" or "EXTRMLY LIBERAL"
marital status	"What is your religious preference? Is it Protestant, Catholic, Jewish, some other religion, or no religion?"
unemployed	"Last week were you working full time, part time, going to school, keeping house, or what?" "Unemployed, laid off, looking for work"
age	age of respondent
highest year of school completed	HIGHEST YEAR OF SCHOOL COMPLETED A. "What is the highest grade in elementary school or high school that (you/your father/ your mother/your [husband/wife]) finished and got credit for? " CODE EXACT GRADE.; B. IF FINISHED 9th-12th GRADE OR DK*: "Did (you/he/she) ever get a high school diploma or a GED certificate?" [SEE D BELOW.]; C. "Did (you/he/she) complete one or more years of college for credit—not including schooling such as business college, technical or vocational school?" IF YES: "How many years did (you/he/she) complete?"
male	male
born in the U.S.	"Were you born in this country?"
white household	"Race of household"
afraid to walk at night in neighborhood	"Is there any area right around here—that is, within a mile—where you would be afraid to walk alone at night?"
SWB	GENERAL HAPPINESS "Taken all together, how would you say things are these days—would you say that you are very happy, pretty happy, or not too happy?"
health	CONDITION OF HEALTH "Would you say your own health, in general, is excellent, good, fair, or poor?"
subjective class identification	"If you were asked to use one of four names for your social class, which would you say you belong in: the lower class, the working class, the middle class, or the upper class? "

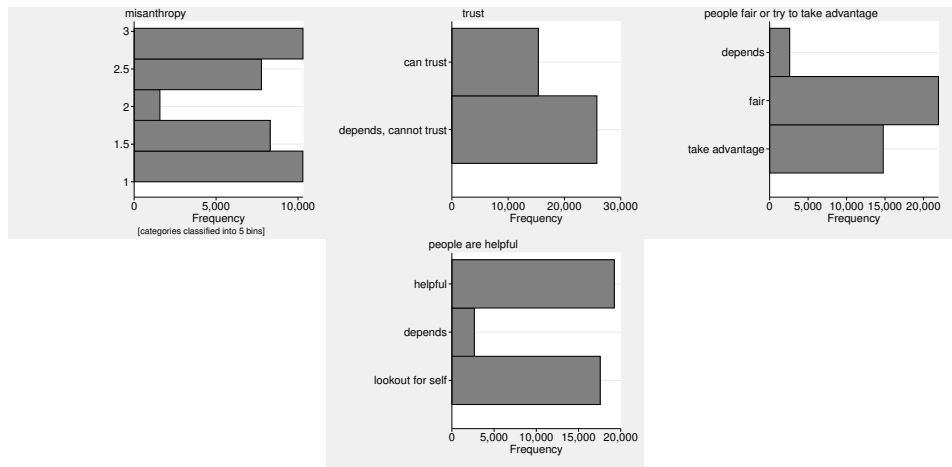


Figure 3: Variables' distribution.

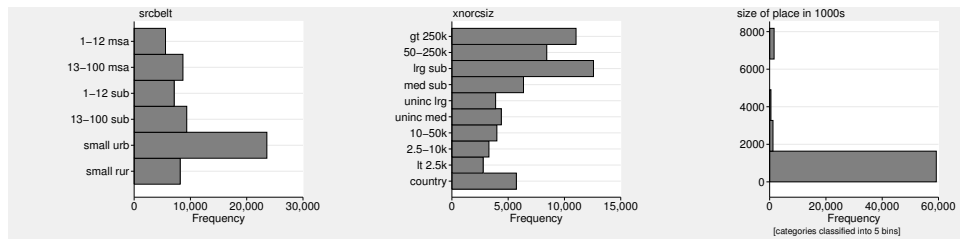


Figure 4: Variables' distribution.

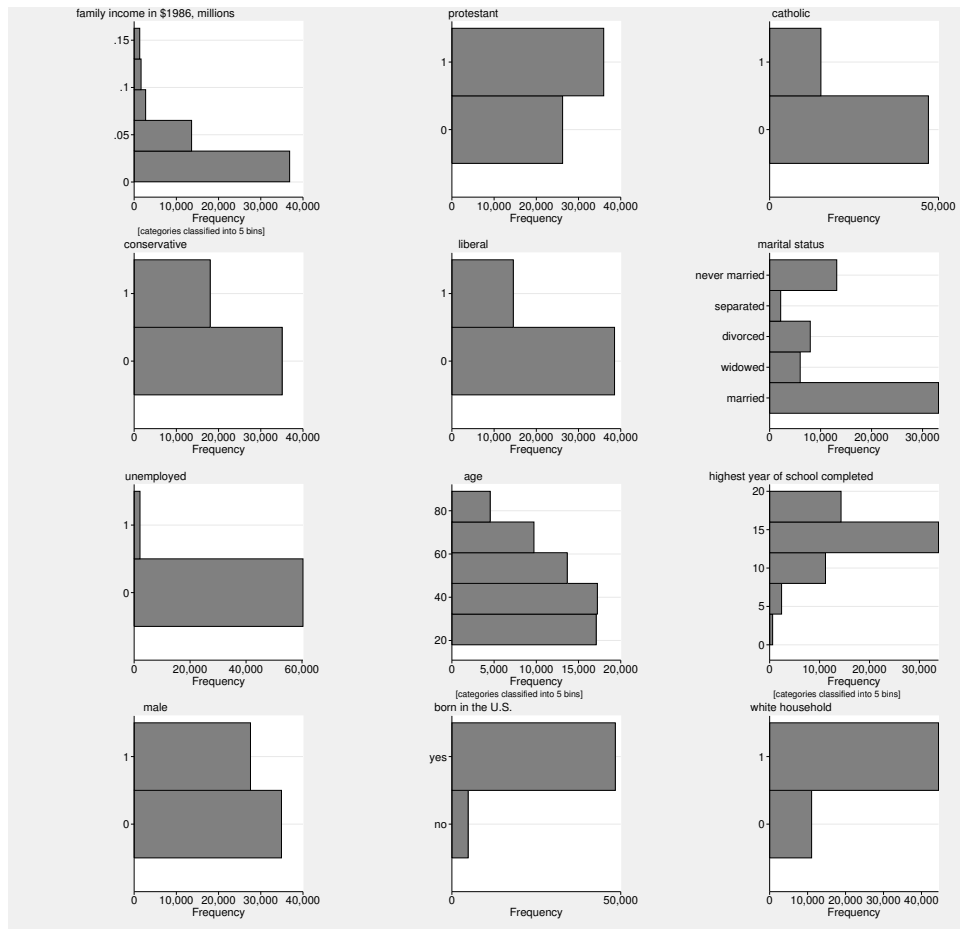


Figure 5: Variables' distribution.

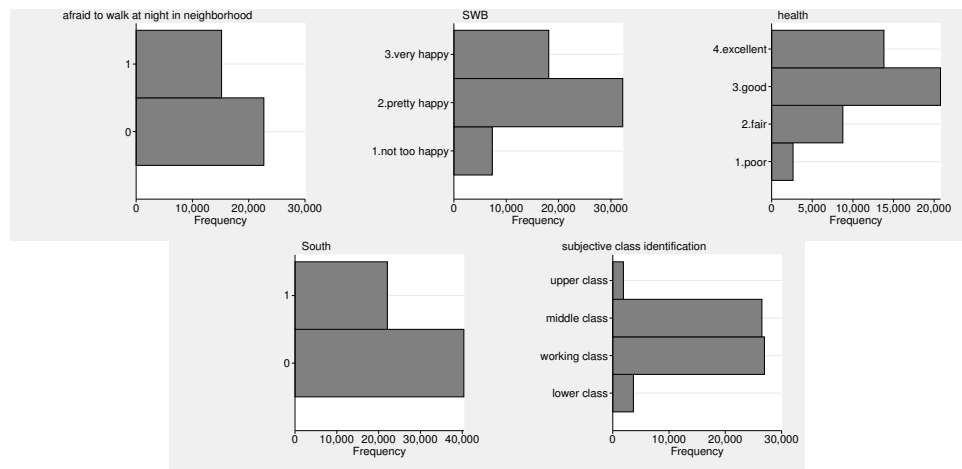


Figure 6: Variables' distribution.

In the manuscript, we have plotted results from the simple specification [Model a3a](#) from [table-Table 6](#), but note that more elaborate specifications with more variables and a dummy variable for time are similar.

Table 6: OLS regressions of misanthropy. Beta (fully standardized) coefficients reported. All models include year dummies.

	a4c2	a3a	b4c2	c4c2
-2k	0.00			
2-4k	10.92**			
4-8k	1.52			
8-14k	8.44*			
14-24k	12.92***			
24-41k	5.52			
41-79k	14.73***			
79-192k	4.02			
192-618k	15.40***			
618k-	13.37***			
year	0.01***	0.01***	0.01***	0.01***
-2k × year	0.00			
2-4k × year	-0.01**			
4-8k × year	-0.00			
8-14k × year	-0.00*			
14-24k × year	-0.01***			
24-41k × year	-0.00			
41-79k × year	-0.01***			
79-192k × year	-0.00			
192-618k × year	-0.01***			
618k- × year	-0.01***			
subjective class identifica-	-0.10***	-0.11***	-0.10***	-0.10***
tion				
family income in \$1986,	-1.12***	-1.73***	-1.12***	-1.18***
millions				
protestant	0.01	-0.01	0.01	0.01
catholic	-0.03	-0.03***	-0.03*	-0.03*
unemployed	0.01	0.04*	0.01	0.01
age	-0.02***	-0.01***	-0.02***	-0.02***
age squared	0.00***	0.00***	0.00***	0.00***
highest year of school com-	-0.05***	-0.06***	-0.05***	-0.05***
pleted				
male	0.07***	0.05***	0.07***	0.07***
married	0.00	0.00	0.00	0.00
widowed	-0.01	0.06***	-0.01	-0.02
divorced	0.04*	0.09***	0.03*	0.03*
separated	0.10***	0.17***	0.10***	0.10***
never married	-0.03*	0.02**	-0.03*	-0.04**
afraid to walk at night in	0.15***		0.15***	0.14***
neighborhood				
conservative	0.01		0.01	0.01
liberal	-0.03**		-0.03**	-0.04**
born in the U.S.	-0.05**		-0.05**	-0.04*
SWB	-0.17***		-0.17***	-0.17***
South	0.14***	0.15***	0.14***	0.14***
small		0.00		
med		4.56***		
big		9.42***		
small × year		0.00		
med × year		-0.00***		
big × year		-0.00***		
country			0.00	
lt 2.5k			-5.13	
2.5-10k			-3.52	
10-50k			3.05	
uninc med			0.76	
uninc lrg			11.72**	
med sub			10.94**	
lrg sub			10.78***	
50-250k			7.95*	
gt 250k			13.20***	
country × year			0.00	
lt 2.5k × year			0.00	
2.5-10k × year			0.00	
10-50k × year			-0.00	
uninc med × year			-0.00	
uninc lrg × year			-0.01**	
med sub × year			-0.01**	
lrg sub × year			-0.01***	
50-250k × year			-0.00*	
gt 250k × year			-0.01***	
small rur				0.00
small urb				14.15***
13-100 sub				15.26***
1-12 sub				16.36***
13-100 msa				19.40***
1-12 msa				20.60***
small rur × year				0.00
small urb × year				-0.01***
13-100 sub × year				-0.01***
1-12 sub × year				-0.01***
13-100 msa × year				-0.01***
1-12 msa × year				-0.01***
N	14034	33545	14034	14034

*** p<0.01, ** p<0.05, *
p<0.1; robust std err

In [table-Table 7](#) the results show that while whites are in general less misanthropic than minorities,

they are more misanthropic in larger places, thus confirming Wilson (1985). Note, the column names correspond with earlier tables. In ~~model~~ Model a4c1 we interact urbanicity with the white household dummy—indeed we find confirmation for Wilson (1985)—clearly whites experience more misanthropy in urban areas. Wilson (1985) explains this pattern using Fischer’s sub-cultural theory.

Table 7: OLS regressions of misanthropy. All models include year dummies. Size deciles (base: <2k). Srcbelt (base: small rur). Xnorsiz (base: <2.5k, but not countryside).

	a4c1	b4c1	c4c1
-2k	0.00		
2-4k	-0.12		
4-8k	-0.14***		
8-14k	-0.13***		
14-24k	-0.20***		
24-41k	-0.10		
41-79k	-0.11*		
79-192k	-0.18***		
192-618k	-0.14***		
618k-	-0.11*		
white household	-0.40***	-0.23***	-0.34***
-2k × white household	0.00		
2-4k × white household	0.17***		
4-8k × white household	0.19***		
8-14k × white household	0.21***		
14-24k × white household	0.26***		
24-41k × white household	0.16***		
41-79k × white household	0.13*		
79-192k × white household	0.19***		
192-618k × white household	0.17***		
618k- × white household	0.18***		
subjective class identification	-0.10***	-0.10***	-0.10***
family income in \$1986, millions	-0.97***	-1.01***	-1.04***
protestant	-0.02	-0.02	-0.01
catholic	-0.03	-0.03	-0.03
unemployed	0.01	0.01	0.01
age	-0.02***	-0.02***	-0.02***
age squared	0.00***	0.00***	0.00***
highest year of school completed	-0.05***	-0.05***	-0.05***
male	0.07***	0.07***	0.07***
married	0.00	0.00	0.00
widowed	-0.02	-0.02	-0.02
divorced	0.04*	0.04*	0.04*
separated	0.07**	0.07**	0.07*
never married	-0.06***	-0.05***	-0.06***
afraid to walk at night in neighborhood	0.14***	0.15***	0.14***
conservative	0.02	0.02	0.02
liberal	-0.04***	-0.04***	-0.04***
born in the U.S.	-0.01	-0.00	0.00
SWB	-0.16***	-0.16***	-0.16***
South	0.12***	0.12***	0.12***
country		0.00	
lt 2.5k		0.08	
2.5-10k		-0.01	
10-50k		-0.03	
uninc med		-0.10	
uninc lrg		-0.09	
med sub		-0.10	
lrg sub		-0.01	
50-250k		-0.07	
gt 250k		-0.04	
country × white household		0.00	
lt 2.5k × white household		-0.21**	
2.5-10k × white household		-0.06	
10-50k × white household		-0.02	
uninc med × white household		0.06	
uninc lrg × white household		0.04	
med sub × white household		0.09	
lrg sub × white household		-0.01	
50-250k × white household		-0.03	
gt 250k × white household		0.00	
small rur			0.00
small urb			-0.08*
13-100 sub			-0.09
1-12 sub			-0.04
13-100 msa			-0.12**
1-12 msa			-0.03
small rur × white household			0.00
small urb × white household			0.12**
13-100 sub × white household			0.14**
1-12 sub × white household			0.13**
13-100 msa × white household			0.14**
1-12 msa × white household			0.12*
N	13799	13799	13799
*** p<0.01, ** p<0.05, * p<0.1; robust std err			