

WITTGENSTEIN CENTRE CONFERENCE
Exploring Population Heterogeneities

December 7, 2023

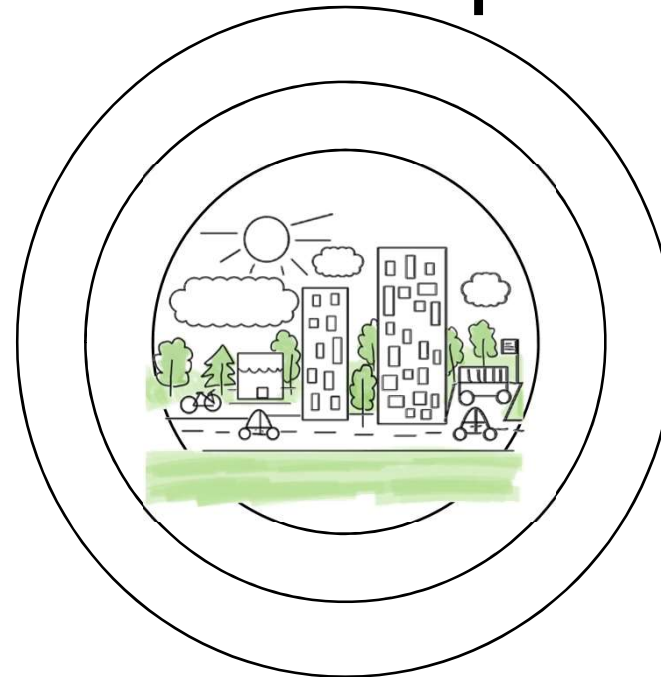
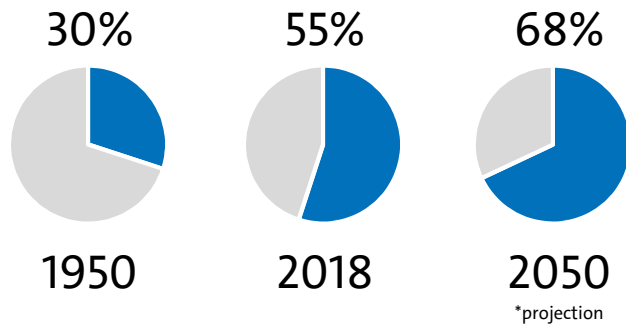
Tetiana Dovbischuk, Stefanie Kley



**The ‘equigenic’ potential of greenery in compact cities.
Green window views and residential satisfaction across social class.**

Compact cities: developing via 'in-fill' redevelopment

World's population
residing in **urban** areas
(United Nations 2019)



Data

- primary survey in Hamburg and Cologne
Sep 2020/ Feb 2021; CATI with random digit dialing
- approx. 900 respondents per city
- minimum response rate: 7.5 %
- ½ with and ½ without thoughts of moving away
- at least 18 years old and living in their current apartment for at least 12 months
- design weights applied to correct for oversampling and selection probability in household

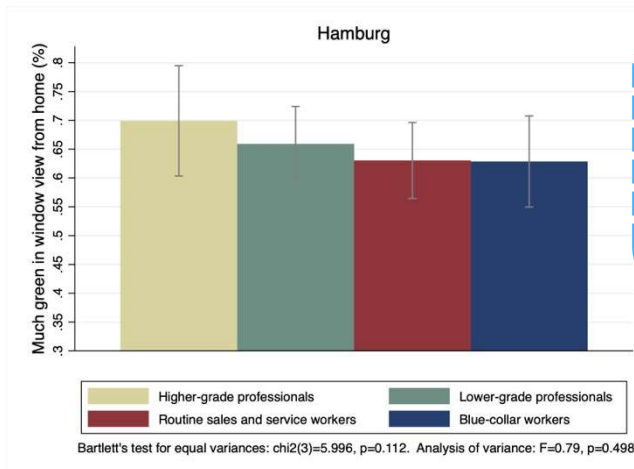
- Background
- **Method**
- Findings
- Discussion

Why Hamburg and Cologne?

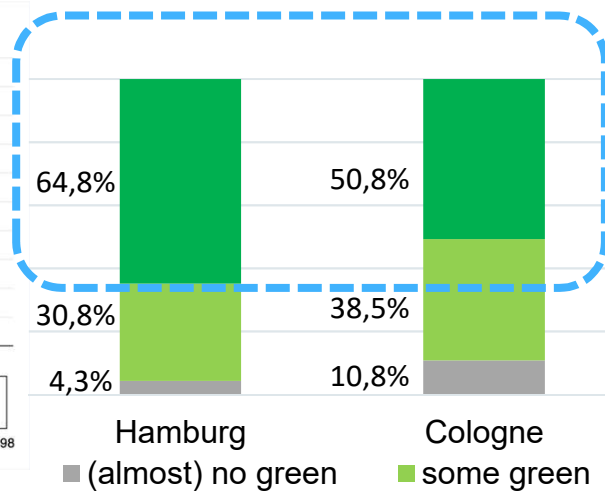


(Quelle: Träger A., Klack M., Pätzold A., Wendler D., Möller C. „Das sind Deutschlands grünste Städte“)

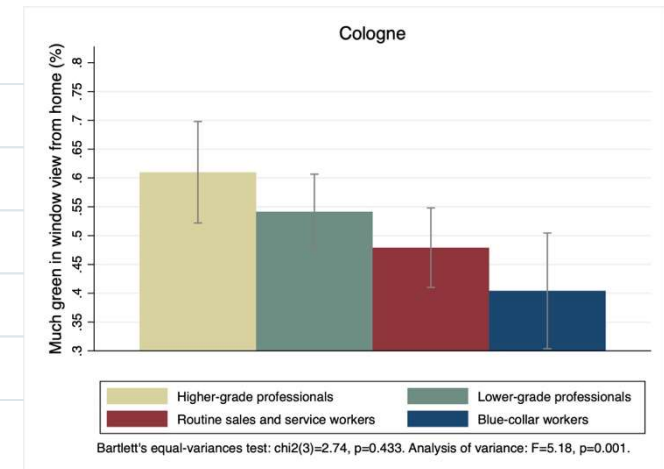
Green window view



N = 1838; estimates design-weighted; whiskers indicate confidence intervals with $p < 0.05$



N = 1838; Cramér's $V = 0.179, p < 0.01$; estimates design-weighted.



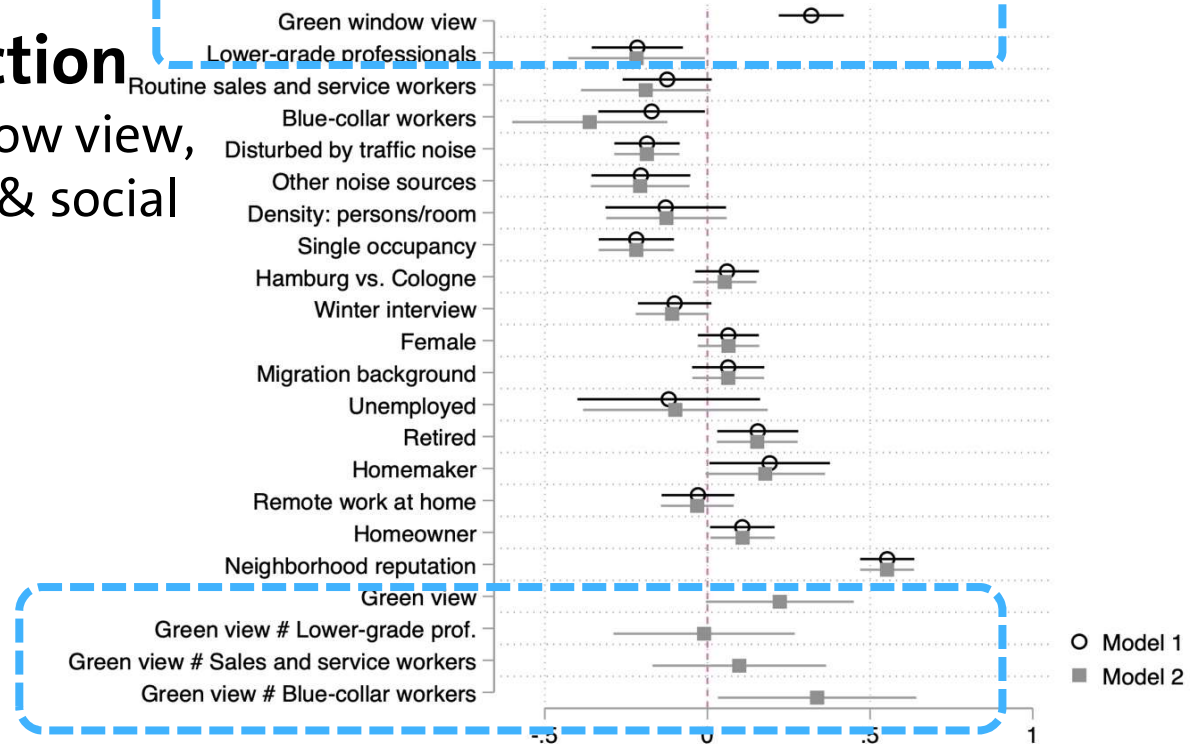
N = 1838; estimates design-weighted; whiskers indicate confidence intervals with $p < 0.05$

- Background
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Residential satisfaction

regressed on green window view, environmental stressors & social classes

Notes: N = 1838. Whiskers indicate confidence intervals with $p < 0.05$. Residential satisfaction ln-transformed; estimates design-weighted; robust standard errors.

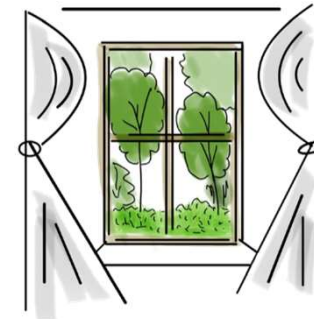


Discussion

- The greener the city, the more equally are green window views distributed across social classes.
- For blue-collar workers, green window views are significantly more strongly associated with higher levels of residential satisfaction than for upper-class citizens.



In contemporary compact cities, very high levels of urban greenery must be reached to render social class as irrelevant for citizens' immediate greenery exposure.







Project website:
wiso.uni-hamburg.de/wohnstudie

 [@wohnstudieUHH.bsky.social](https://www.bsky.app/profile/@wohnstudieUHH.bsky.social)

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Thank you!

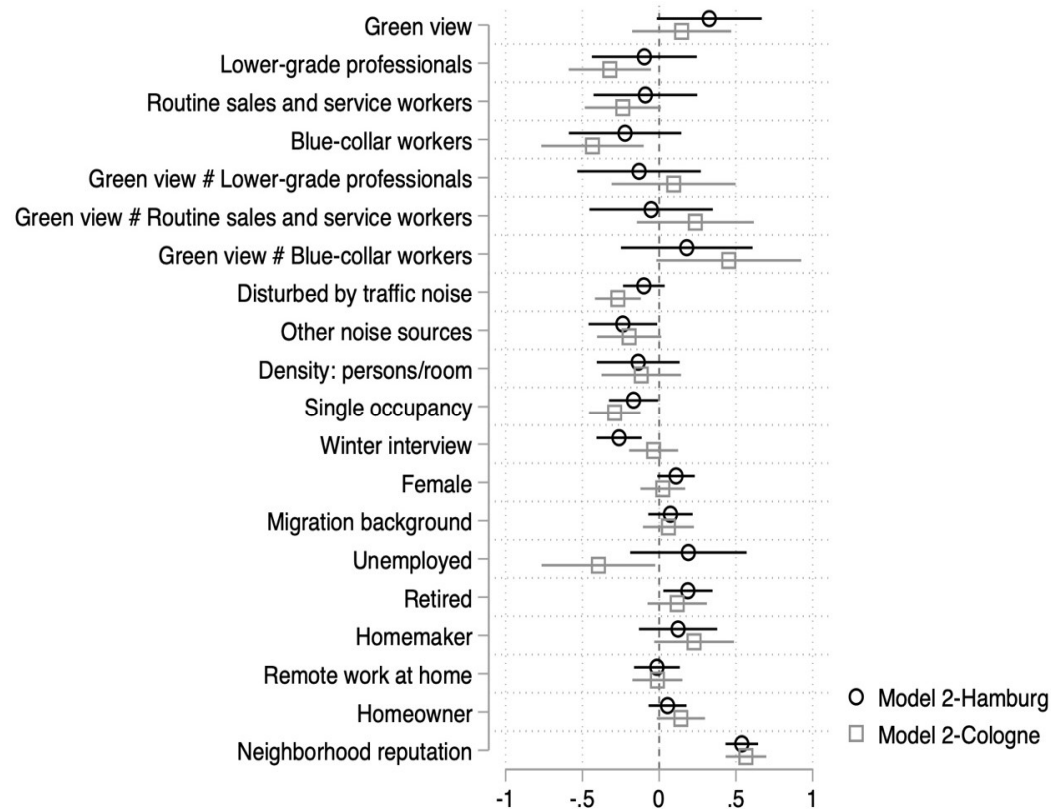
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Residential satisfaction, in Hamburg and Cologne

regressed on green window views, environmental stressors, and social class

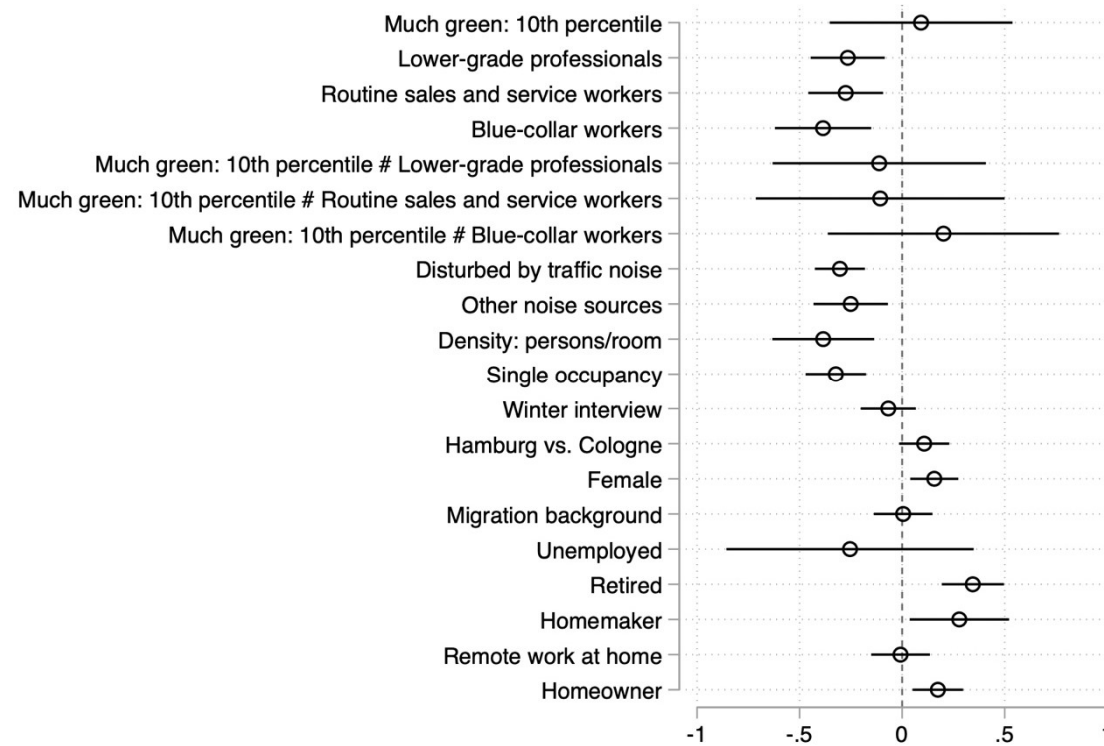
Notes:
 Hamburg (N = 924), Cologne (N = 914);
 + p<0.1, * p<0.05, ** p<0.01, *** p<0.001;
 Residential satisfaction ln-transformed;
 estimates design-weighted; robust standard errors.



Residential satisfaction

regressed on having a lot green around one's home, environmental stressors, and social class

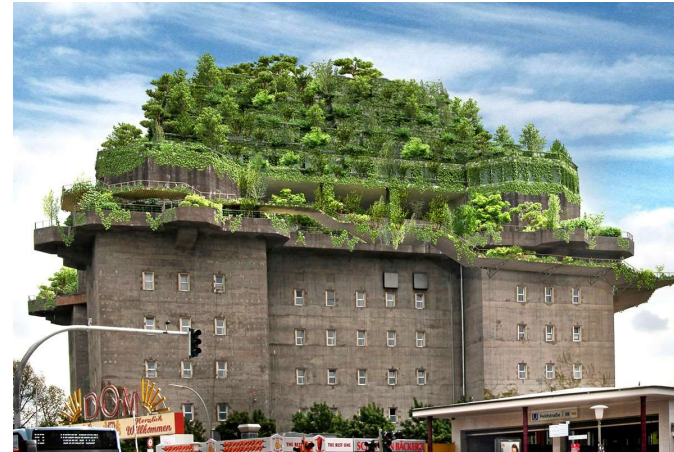
Notes:
 N = 1332;
 + p<0.1, * p<0.05, ** p<0.01, *** p<0.001;
 Residential satisfaction ln-transformed;
 estimates design-weighted; robust standard errors.



Urban sprawl vs. 'in-fill' redevelopment of 'compact' cities



Urban sprawl in Switzerland
Source: Pixabay.com



4700 plants will adorn flak bunker in Hamburg. *Source: Hamburger Abendblatt, 22.02.2020. Photo: Planning office*