

# **Reproduction of “Urban Water Disinfection and Mortality Decline in Lower-Income Countries” by Sonia R. Bhalotra, Alberto Diaz-Cayeros, Grant Miller, Alfonso Miranda, and Atheendar S. Venkataramani\***

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## **Report**

This report contains the figures replicated from the paper “Urban Water Disinfection and Mortality Decline in Lower-Income Countries” (Bhalotra et al. 2021). Using the R programming language (R Core Team 2022) and the tidyverse (Wickham et al. 2019), dplyr (Wickham et al. 2023), ggpubr (Kassambara 2023) packages, three figures were reproduced.

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\*Code and data are available at: <https://github.com/eatingcorn/urban-water>

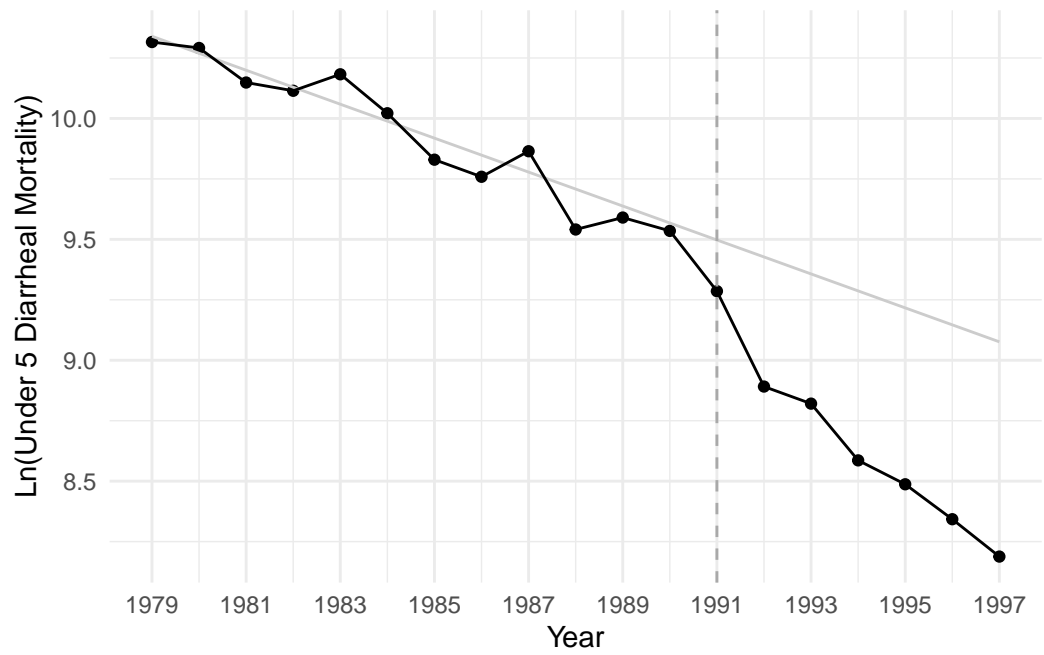


Figure 1: Reproduction of Figure 3

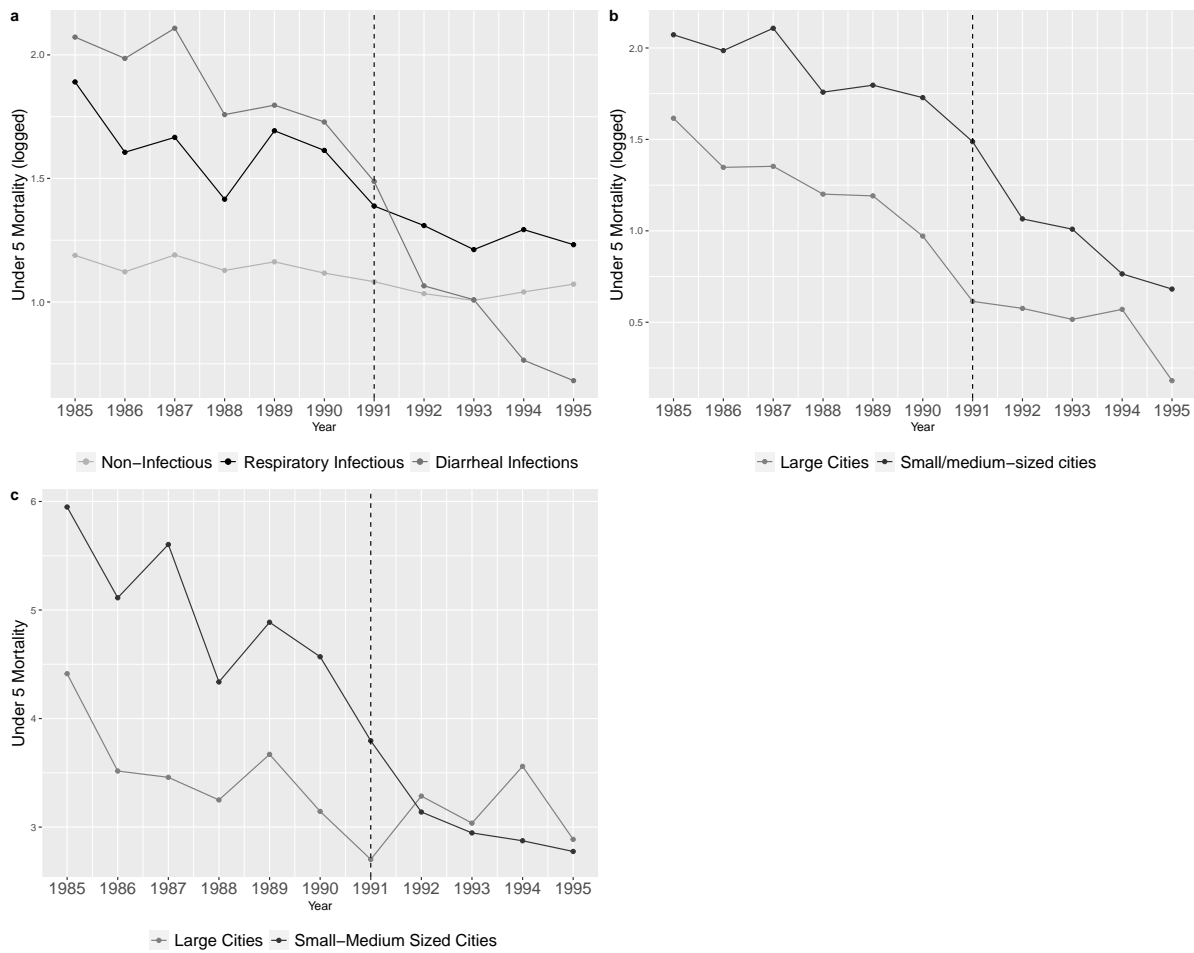


Figure 2: Reproduction of Figure 4

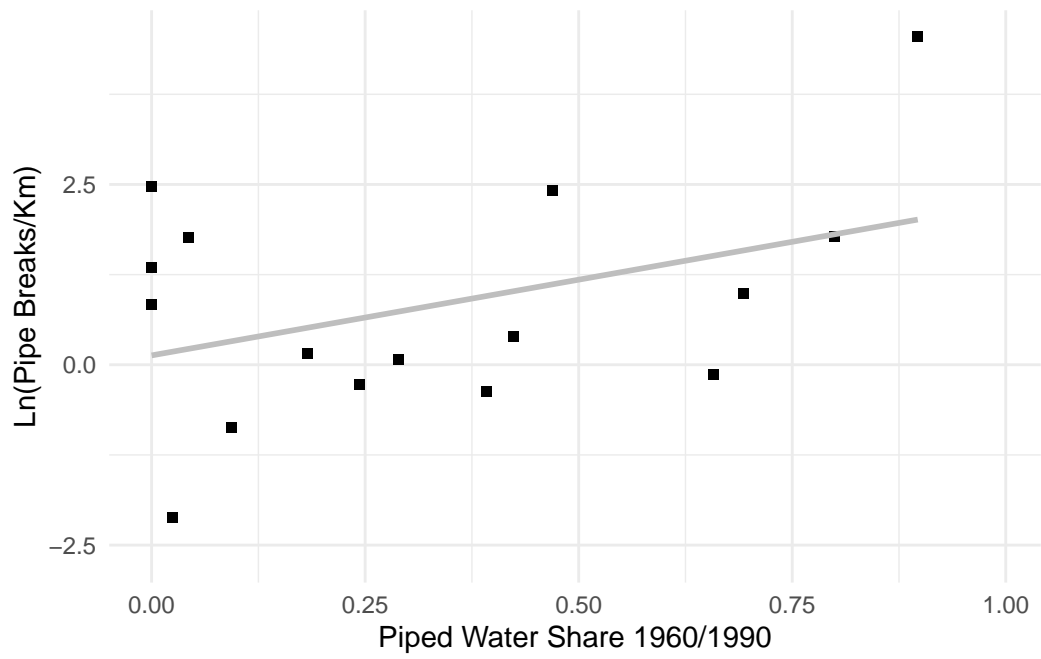


Figure 3: Reproduction of Figure 7

## References

- Bhalotra, Sonia R., Alberto Diaz-Cayeros, Grant Miller, Alfonso Miranda, and Atheendar S. Venkataramani. 2021. “Urban Water Disinfection and Mortality Decline in Lower-Income Countries.” <https://doi.org/10.1257/pol.20180764>.
- Kassambara, Alboukadel. 2023. *Ggpubr: 'Ggplot2' Based Publication Ready Plots*. <https://rpkgs.datanovia.com/ggpubr/>.
- R Core Team. 2022. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.
- Wickham, Hadley, Mara Averick, Jennifer Bryan, Winston Chang, Lucy D’Agostino McGowan, Romain François, Garrett Golemund, et al. 2019. “Welcome to the tidyverse.” *Journal of Open Source Software* 4 (43): 1686. <https://doi.org/10.21105/joss.01686>.
- Wickham, Hadley, Romain François, Lionel Henry, Kirill Müller, and Davis Vaughan. 2023. *Dplyr: A Grammar of Data Manipulation*. <https://dplyr.tidyverse.org>.