

Listed below are known citations to the NASA Socioeconomic Data and Applications Center (SEDAC) U.S. Census Grids data collection. The data collection, and specific data set (if known), being cited are beneath each citation. Citations to multiple collections/sets are listed on separate lines. If a publication cites remotely sensed earth observation data, whether from NASA or another source, those instruments and/or platforms are listed as well.

List last updated on 3 October 2023.

Adams, M. D. O., & Charnley, S. (2018). Environmental justice and U.S. Forest Service hazardous fuels reduction: A spatial method for impact assessment of federal resource management actions. *Applied Geography*, 90, 257-271. doi:10.1016/j.apgeog.2017.12.014

U.S. Census Grids (Summary File 3, v1 (2000)) - 10.7927/H42R3PMN

Alberti, M., & Wang, T. (2022). Detecting patterns of vertebrate biodiversity across the multidimensional urban landscape. *Ecology Letters*, 25(4), 1027-1045. doi:10.1111/ele.13969

Satellite-Derived Environmental Indicators (Global Summer Land Surface Temperature (LST) Grids, v1)

U.S. Census Grids (Summary File 1, v1 (2010))

Ashley, W. S., Strader, S., Rosencrants, T. D., & Krmene, A. J. (2014). Spatiotemporal changes in tornado hazard exposure: The case of the expanding bull's eye effect in Chicago, IL. *Weather, Climate, and Society*, 6(2), 175-193. doi:10.1175/wcas-d-13-00047.1

Gridded Population of the World (GPW) v2

Gridded Population of the World (GPW) v3 (collection)

U.S. Census Grids (Summary File 1, v1 (2000))

Baasch, D. M., Caven, A. J., Jorgensen, J. G., Grosse, R., Rabbe, M., Varner, D. M., & LaGrange, T. (2022). Whooping Crane (*Grus americana*) use patterns in relation to an ecotope classification in the Central Platte River Valley, Nebraska, USA. *Avian Conservation and Ecology*, 17(2). doi:10.5751/ACE-02311-170235

U.S. Census Grids (Summary File 3, v1 (2000)) - 10.7927/H42R3PMN

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U.S. Census Grids (collection)

NASA REMOTE SENSING (RADARSAT-1)

Braha, D., Stacey, B., & Bar-Yam, Y. (2011). Corporate competition: A self-organized network. *Social Networks*, 33(3), 219-230. doi:10.1016/j.socnet.2011.05.004

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Archive of Census Related Products (ACRP) (Tiger)

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U.S. Census Grids (Summary File 3: Metropolitan Statistical Areas, v1 (2000))

Chen, S. E., & Florax, R. J. G. M. (2010). Zoning for health: The obesity epidemic and opportunities for local policy intervention. *Journal of Nutrition*, 140(6), 1181S-1184. doi:10.3945/jn.109.111336
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U.S. Census Grids (collection)
REMOTE SENSING (Landsat)

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U.S. Census Grids (Summary File 3: Metropolitan Statistical Areas, v1 (2000))

DeRousseau, M. A. (2020). *Concrete Mixture Design Using Machine Learning, Life Cycle Assessment, and Multi-Objective Optimization*. (Ph.D. Ph.D.). University of Colorado Boulder, Retrieved from <http://ezproxy.cul.columbia.edu/login?url=https://www.proquest.com/docview/2441568304?accountid=10226>

U.S. Census Grids (Summary File 1, v1 (2010)) - 10.7927/H40Z716C

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REMOTE SENSING (Google Maps)

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U.S. Census Grids (Summary File 3: Metropolitan Statistical Areas, v1 (2000))

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U.S. Census Grids (Summary File 1, v1 (2010))

Hatzis, J. J., Koch, J., & Brooks, H. E. (2020). A tornado daily impacts simulator for the central and southern United States. *Meteorological Applications*, 27(1), e1882. doi:10.1002/met.1882

U.S. Census Grids (Summary File 1, v1 (2010))

Hinsdale, J. (2022). Data Dive: Carolynne Hultquist on Spatial Data, Social Vulnerability and Disasters. Retrieved from

<https://news.climate.columbia.edu/2022/02/10/data-dive-spatial-data-social-vulnerability-disasters/>

U.S. Census Grids (U.S. Social Vulnerability Index Grids, v1)

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U.S. Census Grids (Summary File 3: Metropolitan Statistical Areas, v1 (2000)) - 10.7927/H4Z31WJ0

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NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

Imhoff, M. L., Zhang, P., Wolfe, R. E., & Bounoua, L. (2010). Remote sensing of the urban heat island effect across biomes in the continental USA. *Remote Sensing of Environment*, 114(3), 504-513.
doi:10.1016/j.rse.2009.10.008

U.S. Census Grids (collection)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

Johnston, J., Cassalho, F., Miesse, T., & Ferreira, C. M. (2021). Projecting the effects of land subsidence and sea level rise on storm surge flooding in Coastal North Carolina. *Scientific Reports*, 11(1), 21679. doi:10.1038/s41598-021-01096-7

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U.S. Census Grids (Summary File 1, v1 (2010)) - 10.7927/H40Z716C

Kelly, J. T., Jang, C., Timin, B., Di, Q., Schwartz, J., Liu, Y., . . . Bell, M. L. (2021). Examining PM2.5 concentrations and exposure using multiple models. *Environmental Research*, 196, 110432.
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Ma, X., Battersby, S. E., Bell, B. A., Hibbert, J. D., Barnes, T. L., & Liese, A. D. (2013). Variation in low food access areas due to data source inaccuracies. *Applied Geography*, 45, 131-137.

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Gridded Population of the World (GPW) v3 (collection)

Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

U.S. Census Grids (unspecified)

NASA REMOTE SENSING (QuikSCAT)

REMOTE SENSING (DMSP-OLS)

REMOTE SENSING (Landsat ETM+)

Niemuth, N. D., Ryba, A. J., Pearse, A. T., Kvas, S. M., Brandt, D. A., Wangler, B., . . . Carlisle, M. J. (2018).

Opportunistically collected data reveal habitat selection by migrating Whooping Cranes in the U.S. Northern Plains. *The Condor*, 120(2), 343-356. doi:10.1650/CONDOR-17-80.1
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U.S. Census Grids (Summary File 1, v1 (2010))
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REMOTE SENSING (VIIRS)

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Gridded Population of the World (GPW) v3 (population density) - 10.7927/H4XK8CG2

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Parsons, L. A., Lo, F., Ward, A., Shindell, D., & Raman, S. R. (2023). Higher temperatures in socially vulnerable US communities increasingly limit safe use of electric fans for cooling. *GeoHealth*, 7(8), e2023GH000809. doi:10.1029/2023gh000809

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U.S. Census Grids (U.S. Social Vulnerability Index Grids, v1) - 10.7927/6s2a-9r49

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U.S. Census Grids (unspecified)

Singh, J., Karmakar, S., Paimazumder, D., Ghosh, S., & Niyogi, D. (2020). Urbanization alters rainfall extremes over the contiguous United States. *Environmental Research Letters*, 15(7), 074033. doi:10.1088/1748-9326/ab8980

U.S. Census Grids (Summary File 3, v1 (1990))

U.S. Census Grids (Summary File 3, v1 (2000))

Strader, S. M., Pingel, T. J., & Ashley, W. S. (2016). A Monte Carlo model for estimating tornado impacts. *Meteorological Applications*, 23(2), 269-281. doi:10.1002/met.1552

Gridded Population of the World (GPW) v3 (collection)

U.S. Census Grids (collection)

Van Berkel, D. B., Rayfield, B., Martinuzzi, S., Lechowicz, M. J., White, E., Bell, K. P., . . . McGill, B. J. (2018). Recognizing the ‘sparsely settled forest’: Multi-decade socioecological change dynamics and community exemplars. *Landscape and Urban Planning*, 170, 177-186. doi:10.1016/j.landurbplan.2017.10.009

U.S. Census Grids (Summary File 3, v1 (2000))

Wan, H., Yoon, J., Srikrishnan, V., Daniel, B., & Judi, D. (2022). Population downscaling using high-resolution, temporally-rich U.S. property data. *Cartography and Geographic Information Science*, 49(1), 18-31. doi:10.1080/15230406.2021.1991479

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Wan, N. (2015). Pesticides exposure modeling based on GIS and remote sensing land use data. *Applied Geography*, 56, 99-106. doi:10.1016/j.apgeog.2014.11.012

U.S. Census Grids (Summary File 1, v1 (2000))

REMOTE SENSING (Landsat)

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U.S. Census Grids (Summary File 1, v1 (2010)) - 10.7927/H40Z716C

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Pesticide use data and the distribution of acute illness episodes: The promise and challenges of geoinformatics. In *Managing and Analyzing Pesticide Use Data for Pest Management, Environmental Monitoring, Public Health, and Public Policy* (Vol. 1283, pp. 431-462): American Chemical Society.

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Zou, Y., O'Neill, S. M., Larkin, N. K., Alvarado, E. C., Solomon, R., Mass, C., . . . Shen, H. (2019). Machine learning-based integration of high-resolution wildfire smoke simulations and observations for regional health impact assessment. *International Journal of Environmental Research and Public Health*, 16(12), 2137. doi:10.3390/ijerph16122137

U.S. Census Grids (Summary File 1, v1 (2010))

NASA REMOTE SENSING (Cloud-Aerosol Transport System (CATS))

NASA REMOTE SENSING (MODIS - MCD19A2)