Metadata for manuscript entitled “Urban mosquito distributions are modulated by socioeconomic status and environmental traits in the USA.”

Repository description:

Data and R scripts used to perform the meta-analysis testing the relationship between socioeconomic status and mosquito burden in the USA. This repository also includes supporting documents for organizing and extracting data from the primary literature used in the meta-analysis.

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File list:

Annotated meta-analysis references

mosquito\_covariate\_analysis\_final.R

mosquito\_demographic\_analysis\_final.R

Mosquito\_demographic\_ms.Rproj

mosquito\_meta-analysis\_covariate\_final.csv

urban\_mosquito\_analysis\_final.csv

urban-mosquitoes-database-final.xlsx

File descriptions:

Annotated meta-analysis references: The PDFs of the articles used in the meta-analysis with full annotations of where the data were extracted. This folder contains 18 articles.

mosquito\_covariate\_analysis\_final.R: The R code to run the covariate analysis shown in Figure 3 of the main text. This code requires the importing of the “mosquito\_meta-analysis\_covariate\_final.csv” to run accordingly.

mosquito\_demographic\_analysis\_final.R: The underlying R code to recreate Figure 2 and run the associated analysis. This code requires importing “urban\_mosquito\_analysis\_final.csv” to run.

Mosquito\_demographic\_ms.Rproj: The R Studio Project that hosts the R environment to run the statistical analyses (i.e., the scripts named “mosquito\_covariate\_analysis\_final.R” and “mosquito\_demographic\_analysis\_final.R”).

mosquito\_meta-analysis\_covariate\_final.csv: Socio-ecological data relating to mosquito impacts in USA cities. This file supports the data shown in Figure 3 of the manuscript.

urban\_mosquito\_analysis\_final.csv: The data that allows for testing how mosquito burden varies across socioeconomic status (the main result). This file supports the data shown in Figure 2 of the manuscript.

urban-mosquitoes-database-final.xlsx: The full PRISMA database showing all the articles that emerged from each phase of the literature search. This database supports the data shown in Figure 1 of the manuscript.

Note: All R files must be imported into your working directory for the analysis to work.