

DHS.rates: Calculates Demographic Indicators

Calculates key indicators such as fertility rates (Total Fertility Rate (TFR), General Fertility Rate (GFR), and Age Specific Fertility Rate (ASFR)) using Demographic and Health Survey (DHS) women/individual data, childhood mortality probabilities and rates such as Neonatal Mortality Rate (NNMR), Post-neonatal Mortality Rate (PNNMR), Infant Mortality Rate (IMR), Child Mortality Rate (CMR), and Under-five Mortality Rate (U5MR), and adult mortality indicators such as the Age Specific Mortality Rate (ASMR), Age Adjusted Mortality Rate (AAMR), Age Specific Maternal Mortality Rate (ASMMR), Age Adjusted Maternal Mortality Rate (AAMMR), Age Specific Pregnancy Related Mortality Rate (ASPRMR), Age Adjusted Pregnancy Related Mortality Rate (AAPRMR), Maternal Mortality Ratio (MMR) and Pregnancy Related Mortality Ratio (PRMR). In addition to the indicators, the 'DHS.rates' package estimates sampling errors indicators such as Standard Error (SE), Design Effect (DEFT), Relative Standard Error (RSE) and Confidence Interval (CI). The package is developed according to the DHS methodology of calculating the fertility indicators and the childhood mortality rates outlined in the "Guide to DHS Statistics" (Croft, Trevor N., Aileen M. J. Marshall, Courtney K. Allen, et al. 2018, <<https://dhsprogram.com/Data/Guide-to-DHS-Statistics/index.cfm>>) and the DHS methodology of estimating the sampling errors indicators outlined in the "DHS Sampling and Household Listing Manual" (ICF International 2012, <https://dhsprogram.com/pubs/pdf/DHSM4/DHS6_Sampling_Manual_Sept2012_DHSM4.pdf>).

Version: 0.9.1
 Depends: R (\geq 3.4.0)
 Imports: [reshape](#), [survey](#), stats, [haven](#), [matrixStats](#), [dplyr](#), [rlang](#), [crayon](#)
 Suggests: [knitr](#), [rmarkdown](#)
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 License: [GPL-2](#)
 NeedsCompilation: no
 In views: [OfficialStatistics](#)
 CRAN checks: [DHS.rates results](#)

Documentation:

Reference manual: [DHS.rates.pdf](#)
 Vignettes: [Introduction to the DHS.rates package](#)

Downloads:

Package source: [DHS.rates_0.9.1.tar.gz](#)
 Windows binaries: r-devel: [DHS.rates_0.9.1.zip](#), r-release: [DHS.rates_0.9.1.zip](#), r-oldrel: [DHS.rates_0.9.1.zip](#)
 macOS binaries: r-release (arm64): [DHS.rates_0.9.1.tgz](#), r-oldrel (arm64): [DHS.rates_0.9.1.tgz](#), r-release (x86_64): [DHS.rates_0.9.1.tgz](#), r-oldrel (x86_64): [DHS.rates_0.9.1.tgz](#)
 Old sources: [DHS.rates archive](#)

Linking:

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