# dhsage R Package

## Overview

The dhsage R package is designed to analyze age heaping in demographic and health surveys. It provides functions to calculate the Whipple index, a measure of age heaping, for a given dataset. The package includes data from 70 waves of demographic and health surveys across 19 Asian countries.

## Usage

To use this package, follow these steps:

1. \*\*Installation\*\*: Install the package from CRAN using the following command in R:

install.packages("dhsage")

**Loading the Package**: Load the package into your R session:

library(dhsage)

**Loading Data**: Load the age data for a specific country and year. For example, to load the age data for Afghanistan in 2010, use the following command:

x <- afgan\_2010

**Calculating Whipple Index**: Calculate the Whipple index to evaluate age heaping within a specified age range. For example, to calculate the Whipple index for ages 23 to 62:

heaping(x, 23, 62)

**Interpreting Results**: The output will provide the Whipple index value and the quality of age data according to United Nations standards.

**Additional Information**

For more detailed documentation and examples, refer to the [package manual](https://cran.rstudio.com/web/packages/dhsage/dhsage.pdf).

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