wqs_data {gWQS}   R Documentation

Exposure concentrations of 34 PCB (simulated dataset)

Description

We created the 'wqs_data' dataset to show how to use this function. These data reflect 34 exposure concentrations simulated from a distribution of PCB exposures measured in subjects participating in the NHANES study (2001-2002). Additionally, an end-point meaure, simulated from a distribution of leukocyte telomere length (LTL), a biomarker of chronic disease, is provided as well (variable name: y), as well as simulated covariates, e.g. sex, and a dichotomous outcome variable (variable name: disease_state). This dataset can thus be used to test the 'gWQS' package by analyzing the mixed effect of the 34 simulated PCBs on the continuous or binary outcomes, with adjustments for covariates.

Usage

wqs_data

Format

A data frame with 500 rows and 37 variables

Details

y

> continuous outcome, biomarker of chronic disease

disease_state

> dichotomous outcome, state of disease

sex

> covariate, gender of the subject

log_LBX

> 34 exposure concentrations of PCB exposures

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[Package *gWQS* version 1.1.1 [Index]]