# Package: EE.Data (via r-universe)

May 22, 2026

**Type** Package

**Title** Objects for Predicting Energy Expenditure

**Version** 0.1.1

**Description** This is a data-only package containing model objects that predict human energy expenditure from wearable sensor data. Supported methods include the neural networks of Montoye et al. (2017) <doi:10.1080/1091367X.2017.1337638> and the models of Staudenmayer et al. (2015) <doi:10.1152/japplphysiol.00026.2015>, one a linear model and the other a random forest. The package is intended as a spoke for the hub-package 'accelEE', which brings together the above methods and others from packages such as 'Sojourn' and 'TwoRegression.'

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**Encoding** UTF-8

**LazyData** true

**LazyDataCompression** xz

**Suggests** nnet, randomForest

**Depends** R (>= 2.10)

**RoxygenNote** 7.3.3

**Repository** https://paulhibbing.r-universe.dev

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**RemoteUrl** https://github.com/paulhibbing/ee.data

**RemoteRef** HEAD

**RemoteSha** b8a3e800b0e077b3468b63a4d55bb98b6767430f

## Contents

## montoye *Neural networks for energy expenditure prediction*

### Description

Neural networks for energy expenditure prediction

### Usage

```
montoye_lw

montoye_rw
```

### Format

Objects of class "nnet"

An object of class `nnet.formula` (inherits from `nnet`) of length 7.

### References

doi:10.1080/1091367X.2017.1337638

## staudenmayer *Linear model and random forest for energy expenditure prediction*

### Description

Linear model and random forest for energy expenditure prediction

### Usage

```
staudenmayer_lm

staudenmayer_rf
```

### Format

Two objects, one of class "lm" (`staudenmayer_lm`) and the other of class "randomForest" (`staudenmayer_rf`)

An object of class `randomForest.formula` (inherits from `randomForest`) of length 4.

### References

doi:10.1152/japplphysiol.00026.2015

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