

Package: mpg (via r-universe)

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Type Package

Title FuelEconomy.gov Data

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Description Extract fuel economy data from FuelEconomy.gov.

License GPL-2

URL <https://ropengov.github.io/mpg/>, <https://github.com/rOpenGov/mpg>

BugReports <https://github.com/rOpenGov/mpg/issues>

Imports XML

Encoding UTF-8

RoxygenNote 7.1.2

X-schema.org-isPartOf <http://ropengov.org/>

X-schema.org-keywords ropengov

Config/pak/sysreqs libxml2-dev

Repository <https://ropengov.r-universe.dev>

RemoteUrl <https://github.com/rOpenGov/mpg>

RemoteRef HEAD

RemoteSha 8061433c5b76fef99c9573b6c9dd56b39410653f

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mpg-package *FuelEconomy.gov Data*

Description

Extract fuel economy data from FuelEconomy.gov

Author(s)

Thomas J. Leeper

Maintainer: Thomas J. Leeper <thosjleeper@gmail.com>

References

<https://www.fueleconomy.gov/feg/ws/index.shtml>

feCodebook *Fuel economy codebook*

Description

View a list of variable names and descriptions for the vehicle fuel economy data

Usage

```
feCodebook(browse = FALSE)
```

Arguments

browse A logical indicating whether to open the web-based codebok. Default is FALSE.

Author(s)

Thomas J. Leeper

feData	<i>Bulk data</i>
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Description

Download fuel economy bulk data files

Usage

```
feData(type, year = NULL, ...)
```

Arguments

type	The type of data file to retrieve.
year	Optionally, a two- or four-digit year after 1977.
...	Ignored.

Author(s)

Thomas J. Leeper

feEmissions	<i>Vehicle emissions data</i>
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Description

Retrieve vehicle emissions data by vehicle ID

Usage

```
feEmissions(id = NULL, pick = FALSE, ...)
```

Arguments

id	A vehicle ID number.
pick	A logical indicating whether to select the ID number via an interactive menu.
...	Options passed to pickVehicle , if pick=TRUE.

Author(s)

Thomas J. Leeper

feMakes

Vehicle makes

Description

Retrieve makes for a vehicle year

Usage

```
feMakes(year, ...)
```

Arguments

year	A character string containing a four-digit vehicle year.
...	Ignored.

Author(s)

Thomas J. Leeper

feModels

Vehicle models

Description

Retrieve models for a make and year

Usage

```
feModels(year, make, ...)
```

Arguments

year	A character string containing a four-digit vehicle year.
make	A character string containing a vehicle make.
...	Ignored.

Author(s)

Thomas J. Leeper

feOptions

Vehicle options

Description

Retrieve vehicle options for a make-model-year

Usage

```
feOptions(year, make, model, ...)
```

Arguments

year	A character string containing a four-digit vehicle year.
make	A character string containing a vehicle make.
model	A character string containing a vehicle model.
...	Ignored.

Author(s)

Thomas J. Leeper

fePrices

Fuel prices

Description

Retrieve current fuel prices by fuel type.

Usage

```
fePrices(...)
```

Arguments

...	Ignored.
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Author(s)

Thomas J. Leeper

feQuery	<i>API Query</i>
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Description

Execute an API query

Usage

```
feQuery(op, baseUrl = "http://www.fueleconomy.gov/ws/rest/", ...)
```

Arguments

op	A character string containing an API operation, and associated arguments.
baseUrl	The base URL for conducting the API query.
...	Ignored.

Author(s)

Thomas J. Leeper

feVehicle	<i>Vehicle fuel economy</i>
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Description

Retrieve vehicle fuel economy by vehicle ID

Usage

```
feVehicle(id = NULL, pick = FALSE, ...)
```

Arguments

id	A vehicle ID number.
pick	A logical indicating whether to select the ID number via an interactive menu.
...	Options passed to pickVehicle , if pick=TRUE.

Author(s)

Thomas J. Leeper

feYears	<i>Fuel economy years</i>
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Description

Retrieve years for which fuel economy data is available

Usage

```
feYears(...)
```

Arguments

... Ignored.

Author(s)

Thomas J. Leeper

mympgAll	<i>My MPG data</i>
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Description

Retrieve all fuel economy data from My MPG by vehicle ID

Usage

```
mympgAll(id = NULL, pick = FALSE, ...)
```

Arguments

`id` A vehicle ID number.
`pick` A logical indicating whether to select the ID number via an interactive menu.
... Options passed to [pickVehicle](#), if `pick=TRUE`.

Author(s)

Thomas J. Leeper

mympgAvg

My MPG averages

Description

Retrieve average fuel economy from My MPG by vehicle ID

Usage

```
mympgAvg(id = NULL, pick = FALSE, ...)
```

Arguments

id	A vehicle ID number.
pick	A logical indicating whether to select the ID number via an interactive menu.
...	Options passed to pickVehicle , if pick=TRUE.

Author(s)

Thomas J. Leeper

mympgMakes

My MPG makes

Description

Retrieve My MPG makes

Usage

```
mympgMakes(...)
```

Arguments

...	Ignored.
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Author(s)

Thomas J. Leeper

mympgModels	<i>My MPG models</i>
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Description

Retrieve My MPG models for a given make

Usage

```
mympgModels(make, ...)
```

Arguments

make	A character string containing a vehicle make.
...	Ignored.

Author(s)

Thomas J. Leeper

mympgVehicles	<i>My MPG vehicles</i>
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Description

Retrieve My MPG vehicle data by make and model

Usage

```
mympgVehicles(make, model, pick=FALSE, graphics=TRUE, ...)
```

Arguments

make	A character string containing a vehicle make.
model	A character string containing a vehicle model.
pick	A logical indicating whether to select the ID number via an interactive menu.
graphics	If pick=TRUE, a logical indicating whether to use graphical menus (the default) or, if FALSE, text-based menus.
...	Ignored.

Author(s)

Thomas J. Leeper

<code>pickVehicle</code>	<i>Interactive vehicle menus</i>
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Description

Use interactive menus to retrieve a vehicle identification number

Usage

```
pickVehicle(graphics = TRUE)
```

Arguments

<code>graphics</code>	A logical indicating whether to use graphical menus (the default) or, if FALSE, text-based menus.
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Author(s)

Thomas J. Leeper

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