

Package ‘qatarcars’

October 16, 2025

Type Package

Title Data on Cars in Qatar

Version 1.0.0

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Description Fuel economy, size, performance, and price data for cars in Qatar in 2025. Mirrors many of the columns in mtcars, but uses (1) non-US-centric makes and models, (2) 2025 prices, and (3) metric measurements, making it more appropriate for use as an example dataset outside the United States.

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Encoding UTF-8

LazyData true

RoxxygenNote 7.3.3.9000

Depends R (>= 4.1.0)

URL <https://profmusgrave.github.io/qatarcars/>,
<https://github.com/profmusgrave/qatarcars>

BugReports <https://github.com/profmusgrave/qatarcars/issues>

Suggests altdoc, downlit, dplyr, ggplot2, scales, testthat (>= 3.0.0),
tibble, xml2

Config/testthat.edition 3

NeedsCompilation no

Author Paul Musgrave [aut, cre, cph] (ORCID:
[<https://orcid.org/0000-0002-8984-4992>](https://orcid.org/0000-0002-8984-4992)),
Andrew Heiss [aut] (ORCID: [<https://orcid.org/0000-0002-3948-3914>](https://orcid.org/0000-0002-3948-3914))

Maintainer Paul Musgrave <rpm47@georgetown.edu>

Repository CRAN

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Includes prices and other specifications taken from YallaMotors Qatar between January to August 2025

Usage

```
qatarcars
```

Format

A tibble with 99 rows and 15 variables:

origin a factor denoting car country of origin
make a factor denoting car make
model a factor denoting car model
length a number denoting car length (meters)
width a number denoting car width (meters)
height a number denoting car height (meters)
seating a number denoting number of seats in car
trunk a number denoting volume of trunk (liters)
economy a number denoting car fuel economy (L/100km)
horsepower a number denoting car horsepower
price a number denoting car price (2025 Qatari riyals (QAR))
mass a number denoting car mass (kilograms)
performance a number denoting car performance (Time 0-100 km/h (seconds))
type a factor denoting car type
enginetype a factor denoting car engine type

Source

<https://github.com/profmusgrave/qatarcars>

<https://open.substack.com/pub/musgrave/p/introducing-the-qatar-cars-dataset>

Yalla Motors Qatar

Examples

```
str(qatarcars)
head(qatarcars)
summary(qatarcars)
table(qatarcars$origin)
aggregate(price ~ enginetype, qatarcars, mean)
barplot(table(factor(
  qatarcars$seating,
  levels = min(qatarcars$seating):max(qatarcars$seating)
)))
plot(economy ~ mass, qatarcars)
plot(price ~ performance, qatarcars, log = "y")

if (require("dplyr") && require("ggplot2")) {
  glimpse(qatarcars)

  qatarcars |>
    count(origin)

  qatarcars |>
    group_by(enginetype) |>
    summarize(avg_price = mean(price))

  ggplot(qatarcars, aes(x = seating)) +
    geom_bar()

  ggplot(qatarcars, aes(x = mass, y = economy)) +
    geom_point()

  ggplot(qatarcars, aes(x = performance, y = price)) +
    geom_point() +
    scale_y_log10()
}
```

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* **datasets**

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