

# Package ‘nascaR.data’

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**Title** NASCAR Race Data

**Version** 2.2.1

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**Description** A collection of NASCAR race, driver, owner and manufacturer data across the three major NASCAR divisions: NASCAR Cup Series, NASCAR Xfinity Series, and NASCAR Craftsman Truck Series. The curated data begins with the 1949 season and extends through the end of the 2024 season. Explore race, season, or career performance for drivers, teams, and manufacturers throughout NASCAR's history. Data was sourced with permission from DriverAverages.com.

**LazyData** true

**LazyDataCompression** bzip2

**License** GPL (>= 3)

**Depends** R (>= 4.1.0)

**Encoding** UTF-8

**RoxygenNote** 7.3.2

**Imports** dplyr, glue, purrr, rlang, rvest, stringdist, stringr

**Suggests** roxygen2, scales

**URL** <https://azimuth-project.tech/nascaR.data/>

**BugReports** <https://github.com/kyleGrealis/nascaR.data/issues>

**NeedsCompilation** no

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**Repository** CRAN

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cup_series	<i>NASCAR Cup Series Race Data</i>
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Description

Historical race results for NASCAR Cup Series races from 1949-present. Includes finishing position, driver and car information, track details, and performance metrics for each entry.

Usage

cup\_series

Format

A data frame with rows representing each car/driver entry and 19 columns:

- Season** Race season year
- Race** Race number within the season
- Track** Name of the racetrack
- Name** Official race name
- Length** Track length in miles
- Surface** Track surface type (e.g., "road", "oval")
- Finish** Finishing position
- Start** Starting position
- Car** Car number
- Driver** Driver name
- Team** Racing team name
- Make** Car manufacturer
- Pts** Championship points earned
- Laps** Number of laps completed
- Led** Number of laps led
- Status** Race completion status (e.g., "running", "crash")
- S1** Segment 1 finish position
- S2** Segment 2 finish position
- Rating** Driver rating for the race
- Win** Binary indicator if driver won the race (1 = yes, 0 = no)

## Source

Data scraped from Driver Averages (<https://www.driveraverages.com>)

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get_driver_info	<i>Get NASCAR driver statistics</i>
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## Description

Retrieves and summarizes NASCAR race statistics for a specified driver across different racing series. The function provides flexibility in viewing career summaries, season-by-season breakdowns, or complete race-by-race data.

## Usage

```
get_driver_info(driver, series = "all", type = "summary")
```

## Arguments

driver	Character string of driver name (case-insensitive, fuzzy matching available)
series	Character string specifying the racing series to analyze. Must be one of: <ul style="list-style-type: none"><li>• 'all' (default)</li><li>• 'Cup'</li><li>• 'Xfinity'</li><li>• 'Truck'</li></ul>
type	Character string specifying the type of summary to return. Must be one of: <ul style="list-style-type: none"><li>• 'summary' (default): Career statistics grouped by series</li><li>• 'season': Season-by-season statistics for each series</li><li>• 'all': Complete race-by-race data</li></ul>

## Value

A tibble containing driver statistics based on the specified type:

- For type = 'summary': Career statistics grouped by series
- For type = 'season': Season-by-season breakdown
- For type = 'all': Complete race-by-race data

## Examples

```
if (interactive()) {
  # Get career summary for Kyle Busch across all series
  get_driver_info("Kyle Busch")

  # Get Cup series statistics only
  get_driver_info("Kyle Busch", series = "cup")

  # Get season-by-season breakdown for Truck series
  get_driver_info("Kyle Busch", series = "truck", type = "season")
}
```

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get\_manufacturer\_info *Get NASCAR manufacturer statistics*

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## Description

Retrieves and summarizes NASCAR race statistics for a specified manufacturer across different racing series. The function provides flexibility in viewing career summaries, season-by-season breakdowns, or complete race-by-race data.

## Usage

```
get_manufacturer_info(manufacturer, series = "all", type = "summary")
```

## Arguments

manufacturer	Character string specifying a manufacturer name (case-insensitive, fuzzy matching available)
series	Character string specifying the racing series to analyze. Must be one of: <ul style="list-style-type: none"> <li>• 'all' (default)</li> <li>• 'Cup'</li> <li>• 'Xfinity'</li> <li>• 'Truck'</li> </ul>
type	Character string specifying the type of summary to return. Must be one of: <ul style="list-style-type: none"> <li>• 'summary' (default): Career statistics grouped by series</li> <li>• 'season': Season-by-season statistics for each series</li> <li>• 'all': Complete race-by-race data</li> </ul>

## Value

A tibble containing manufacturer statistics based on the specified type:

- For type = 'summary': Career statistics grouped by series
- For type = 'season': Season-by-season breakdown
- For type = 'all': Complete race-by-race data

**Examples**

```

if (interactive()) {
  # Get career summary for Toyota across all series
  get_manufacturer_info("Toyota")

  # Get Cup series statistics only
  get_manufacturer_info("Ford", series = "cup")

  # Get season-by-season breakdown for Truck series
  get_manufacturer_info("Chevrolet", series = "truck", type = "season")
}

```

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get_team_info	<i>Get NASCAR team statistics</i>
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**Description**

Retrieves and summarizes NASCAR race statistics for a specified team across different racing series. The function provides flexibility in viewing career summaries, season-by-season breakdowns, or complete race-by-race data.

**Usage**

```
get_team_info(team, series = "all", type = "summary")
```

**Arguments**

team	Character string specifying an team name (case-insensitive, fuzzy matching available)
series	Character string specifying the racing series to analyze. Must be one of: <ul style="list-style-type: none"> <li>• 'all' (default)</li> <li>• 'Cup'</li> <li>• 'Xfinity'</li> <li>• 'Truck'</li> </ul>
type	Character string specifying the type of summary to return. Must be one of: <ul style="list-style-type: none"> <li>• 'summary' (default): Career statistics grouped by series</li> <li>• 'season': Season-by-season statistics for each series</li> <li>• 'all': Complete race-by-race data</li> </ul>

**Value**

A tibble containing team statistics based on the specified type:

- For type = 'summary': Career statistics grouped by series
- For type = 'season': Season-by-season breakdown
- For type = 'all': Complete race-by-race data

## Examples

```
if (interactive()) {
  # Get career summary for Joe Gibbs Racing across all series
  get_team_info("Joe Gibbs Racing")

  # Get Cup series statistics only
  get_team_info("Joe Gibbs Racing", series = "cup")

  # Get season-by-season breakdown for Truck series
  get_team_info("Joe Gibbs Racing", series = "truck", type = "season")
}
```

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truck\_series

*NASCAR Truck Series Race Data*


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## Description

Historical race results for NASCAR Truck Series races from 1995-present. Includes finishing position, driver and car information, track details, and performance metrics for each entry.

## Usage

```
truck_series
```

## Format

A data frame with rows representing each car/driver entry and 19 columns:

**Season** Race season year

**Race** Race number within the season

**Track** Name of the racetrack

**Name** Official race name

**Length** Track length in miles

**Surface** Track surface type (e.g., "road", "oval")

**Finish** Finishing position

**Start** Starting position

**Car** Car number

**Driver** Driver name

**Team** Racing team name

**Make** Car manufacturer

**Pts** Championship points earned

**Laps** Number of laps completed

**Led** Number of laps led

**Status** Race completion status (e.g., "running", "crash")

**S1** Segment 1 finish position

**S2** Segment 2 finish position

**Rating** Driver rating for the race

**Win** Binary indicator if driver won the race (1 = yes, 0 = no)

## Source

Data scraped from Driver Averages (<https://www.driveraverages.com>)

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xfinity_series	NASCAR Xfinity Series Race Data
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## Description

Historical race results for NASCAR Xfinity Series races from 1982-present. Includes finishing position, driver and car information, track details, and performance metrics for each entry.

## Usage

xfinity\_series

## Format

A data frame with rows representing each car/driver entry and 19 columns:

**Season** Race season year

**Race** Race number within the season

**Track** Name of the racetrack

**Name** Official race name

**Length** Track length in miles

**Surface** Track surface type (e.g., "road", "oval")

**Finish** Finishing position

**Start** Starting position

**Car** Car number

**Driver** Driver name

**Team** Racing team name

**Make** Car manufacturer

**Pts** Championship points earned

**Laps** Number of laps completed

**Led** Number of laps led

**Status** Race completion status (e.g., "running", "crash")

**S1** Segment 1 finish position

**S2** Segment 2 finish position

**Seg Points** Segment points

**Rating** Driver rating for the race

**Win** Binary indicator if driver won the race (1 = yes, 0 = no)

**Source**

Data scraped from Driver Averages (<https://www.driveraverages.com>)



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