

# Package ‘nascaR.data’

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**Title** NASCAR Race Data

**Version** 2.2.2

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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  
**Seg Points** Segment points – deprecated  
**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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find_driver	<i>Find Driver Matches</i>
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### Description

Find Driver Matches

### Usage

```
find_driver(search_term, data = NULL, max_results = 5, interactive = TRUE)
```

### Arguments

search_term	Character string to search for
data	Tibble containing NASCAR race data
max_results	Maximum number of matches to return
interactive	Logical. Is the session interactive?

### Value

Character vector of matching driver names

### Examples

```
# Find exact match
find_driver("Christopher Bell")

# Find partial matches
find_driver("bell")

# Non-interactive mode for scripts
find_driver("kyle", interactive = FALSE)
```

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find_manufacturer	<i>Find Manufacturer Matches</i>
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## Description

Find Manufacturer Matches

## Usage

```
find_manufacturer(  
  search_term,  
  data = NULL,  
  max_results = 5,  
  interactive = TRUE  
)
```

## Arguments

search_term	Character string to search for
data	Tibble containing NASCAR race data or series specification
max_results	Maximum number of matches to return
interactive	Logical. Is the session interactive?

## Value

Character vector of matching manufacturer names

## Examples

```
# Find exact match  
find_manufacturer("Toyota")  
  
# Find with common alias  
find_manufacturer("chevy")  
  
# Non-interactive mode for scripts  
find_manufacturer("ford", interactive = FALSE)
```

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find_team	<i>Find Team Matches</i>
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**Description**

Find Team Matches

**Usage**

```
find_team(search_term, data = NULL, max_results = 5, interactive = TRUE)
```

**Arguments**

search_term	Character string to search for
data	Tibble containing NASCAR race data or series specification
max_results	Maximum number of matches to return
interactive	Logical. Is the session interactive?

**Value**

Character vector of matching team names

**Examples**

```
# Find exact match
find_team("Joe Gibbs Racing")

# Find partial matches
find_team("gibbs")

# Non-interactive mode for scripts
find_team("hendrick", interactive = FALSE)
```

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get_driver_info	<i>Enhanced Get Driver Info with Smart Matching</i>
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**Description**

Enhanced Get Driver Info with Smart Matching

**Usage**

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

**Arguments**

driver	Character string of driver name to search for
series	Either character string ("cup", "xfinity", "truck", "all") or data frame
type	Character string specifying return type ("summary", "season", "all")
interactive	Logical. Is the session interactive?

**Value**

Tibble with driver statistics or NULL if no exact match

**Examples**

```
## Not run:
# Get Christopher Bell's career summary
get_driver_info("Christopher Bell")

# Handle misspelling - will prompt for selection
get_driver_info("cristopher bell")
# Found 1 drivers matching 'cristopher bell':
# 1 - Christopher Bell
# Select driver number: 1
# Driver: Christopher Bell
# Returns summary table

# Get season-by-season data for Cup series only
get_driver_info("Christopher Bell", series = "cup", type = "season")

## End(Not run)
```

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get\_manufacturer\_info *Enhanced Get Manufacturer Info with Smart Matching*

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**Description**

Enhanced Get Manufacturer Info with Smart Matching

**Usage**

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

**Arguments**

manufacturer	Character string of manufacturer name to search for
series	Either character string ("cup", "xfinity", "truck", "all") or data frame
type	Character string specifying return type ("summary", "season", "all")
interactive	Logical. Is the session interactive?

**Value**

Tibble with manufacturer statistics or NULL if no exact match

**Examples**

```
## Not run:
# Get Toyota career summary
get_manufacturer_info("Toyota")

# Handle misspelling - will prompt for selection
get_manufacturer_info("toyoda")
# Found 1 manufacturers matching 'toyoda':
# 1 - Toyota
# Select manufacturer number: 1
# Manufacturer: Toyota
# Returns summary table

# Get season-by-season data for Cup series only
get_manufacturer_info("Toyota", series = "cup", type = "season")

## End(Not run)
```

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get\_team\_info

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*Enhanced Get Team Info with Smart Matching*


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**Description**

Enhanced Get Team Info with Smart Matching

**Usage**

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

**Arguments**

team	Character string of team name to search for
series	Either character string ("cup", "xfinity", "truck", "all") or data frame
type	Character string specifying return type ("summary", "season", "all")
interactive	Logical. Is the session interactive?

**Value**

Tibble with team statistics or NULL if no exact match

**Examples**

```
## Not run:
# Get Joe Gibbs Racing career summary
get_team_info("Joe Gibbs Racing")

# Handle partial name - will prompt for selection
get_team_info("joe gib racing")
# Found 1 teams matching 'joe gib racing':
# 1 - Joe Gibbs Racing
# Select team number: 1
# Team: Joe Gibbs Racing
# Returns summary table

# Get season-by-season data for Cup series only
get_team_info("Joe Gibbs Racing", series = "cup", type = "season")

## End(Not run)
```

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truck\_series

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*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  
**Seg Points** Segment points – deprecated  
**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	<i>NASCAR Xfinity Series Race Data</i>
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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 – deprecated  
**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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