

# Package ‘accbaseballr’

May 28, 2026

**Title** ACC Baseball Datasets with Advanced Sabermetric Metrics

**Version** 0.1.3

**Description** Provides curated ACC (Atlantic Coast Conference) baseball datasets at the player-season level, including traditional statistics and advanced sabermetric metrics such as weighted on-base average (wOBA), weighted runs created plus (wRC+), and fielding-independent pitching (FIP).

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 8.0.0

**Depends** R (>= 4.1.0)

**LazyData** true

**LazyDataCompression** xz

**URL** <https://github.com/hvb210/accbaseballr>

**BugReports** <https://github.com/hvb210/accbaseballr/issues>

**NeedsCompilation** no

**Author** Hana Baskin [aut, cre, cph]

**Maintainer** Hana Baskin <hana.baskin@gmail.com>

**Repository** CRAN

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`accbaseballr`*accbaseballr: ACC Baseball Statistics and Metrics*

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**Description**

Provides ACC baseball batting and pitching datasets with advanced sabermetric metrics.

**Author(s)**

**Maintainer:** Hana Baskin <hana.baskin@gmail.com> [copyright holder]

Authors:

- Hana Baskin <hana.baskin@gmail.com> [copyright holder]

**See Also**

Useful links:

- <https://github.com/hvb210/accbaseballr>
- Report bugs at <https://github.com/hvb210/accbaseballr/issues>

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`batting`*ACC Batting Data*

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**Description**

This dataset contains advanced batting metrics for ACC baseball players. It is designed for sabermetric analysis rather than raw box-score reporting.

A dataset containing ACC baseball batting statistics at the player-season level, including traditional counting stats and advanced sabermetric offensive metrics.

**Usage**

```
batting
```

```
batting
```

**Format**

A data frame with the following columns:

**player\_id** Unique player-season identifier

**Name** Player first and last name

**Age** Player age during season

**Season** Year of season

**Team** ACC team  
**G** Games played  
**PA** Plate appearances  
**AB** At bats  
**R** Runs scored  
**H** Hits  
**X1B** Singles hit  
**X2B** Doubles hit  
**X3B** Triples hit  
**HR** Home runs hit  
**BB** Bases on balls  
**SO** Strikeouts  
**BA** Hits/At bats  
**SLG** Total bases/At bats  
**HBP** Times hit by a pitch  
**SF** Sacrifice flies  
**IBB** Intentional bases on balls  
**bats** Batting handedness  
**ISO** Isolated power  
**K\_pct** Strikeout percentage  
**BABIP** Batting average on balls in play  
**BB\_pct** Walk percentage  
**wOBA** Weighted on-base average  
**league\_wOBA** Average wOBA for league for season  
**scale** wOBA scale  
**wRC\_plus** Weighted runs created plus

A data frame with one row per player-season and the following columns:

**player\_id** Character. Unique player identifier.  
**Season** Integer. The season (calendar year).  
**Name** Character. Player full name.  
**Age** Character. Age of player in season.  
**Team** Character. ACC team name.  
**G** Integer. Games played.  
**PA** Integer. Plate appearances.  
**AB** Integer. At-bats.  
**H** Integer. Hits.  
**X1B** Integer. Singles.

**X2B** Integer. Doubles.

**X3B** Integer. Triples.

**HR** Integer. Home runs.

**R** Integer. Runs scored.

**BB** Integer. Walks.

**SO** Integer. Strikeouts.

**SLG** Numeric. Slugging percentage.

**HBP** Integer. Hit by pitch.

**SF** Integer. Sacrifice fly.

**IBB** Integer. Intentional walk.

**bats** Character. Batting handedness: "Right", "Left", "Both" or "Unkown".

**ISO** Numeric. Isolated power.

**K\_pct** Numeric. Strikeout percentage.

**BABIP** Numeric. Batting average on balls in play.

**wOBA** Numeric. Weighted on-base average.

**league\_wOBA** Numeric. League-wide weighted on-base average.

**scale** Numeric. wOBA scale

**wRC\_plus** Numeric. Weighted runs created plus (100 = league average).

## Details

Player-season batting metrics for ACC baseball.

## Source

Publicly available ACC baseball statistics transformed into sabermetric metrics for analysis.

Derived from publicly available ACC baseball data from Sports-Reference (<https://www.sports-reference.com/>).

## Examples

```
data(batting)
head(batting)
```

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league_context	<i>ACC baseball league context statistics</i>
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### Description

A dataset containing league-average statistics used for normalization and calculation of advanced metrics such as wOBA and wRC+.

Season-level offensive environment metrics used for normalization of player statistics.

### Usage

league\_context

league\_context

### Format

A data frame with one row per season and the following columns:

**Season** Integer. The season (calendar year).

**league\_PA** Integer. League-wide plate appearances.

**league\_H** Integer. League-wide hits.

**league\_2B** Integer. League-wide doubles hit.

**league\_3B** Integer. League-wide triples hit.

**league\_HR** Integer. League-wide home runs hit.

**league\_BB** Integer. League-wide bases on balls.

**league\_HBP** Integer. League-wide times hit by pitch.

**league\_SF** Integer. League-wide sacrifice flies.

**league\_AB** Integer. League-wide at bats.

**league\_BA** Numeric. League-wide hits/at bats.

**league\_1B** Integer. League-wide singles hit.

**league\_wOBA** Numeric. League-wide weighted on-base average.

**league\_BB\_rate** Numeric. League-wide walk rate.

**league\_SO** Integer. League-wide strikeouts.

**p\_league\_BB** Integer. League-wide bases on balls (pitching).

**p\_league\_HR** Integer. League-wide home runs allowed.

**league\_IP** Numeric. League-wide innings pitched.

**league\_K\_per\_9** Numeric. League-wide strikeouts per nine innings.

**league\_BB\_per\_9** Numeric. League-wide bases on balls per nine innings.

**league\_HR\_per\_9** Numeric. League-wide home runs allowed per nine innings.

A data frame with one row per season:

**Season** Season year

**league\_PA** League-wide plate appearances

**league\_H** League-wide hits

**league\_2B** League-wide doubles hit

**league\_3B** League-wide triples hit

**league\_HR** League-wide home runs hit

**league\_BB** League-wide bases on balls

**league\_HBP** League-wide times hit by pitch

**league\_SF** League-wide sacrifice flies

**league\_AB** League-wide at bats

**league\_BA** League-wide hits/at bats

**league\_1B** League-wide singles hit

**league\_wOBA** League-wide weighted on-base average

**league\_BB\_rate** walk rate

**league\_SO** League-wide strikeouts

**p\_league\_BB** League-wide bases on balls (pitching)

**p\_league\_HR** League-wide home runs allowed

**league\_IP** League-wide innings pitched

**league\_K\_per\_9** League-wide strikeouts per nine innings

**league\_BB\_per\_9** League-wide bases on balls per nine innings

**league\_HR\_per\_9** League-wide home runs allowed per nine innings

### Source

Derived from publicly available ACC baseball data from Sports-Reference (<https://www.sports-reference.com/>).

Publicly available ACC baseball statistics transformed into sabermetric metrics for analysis.

### Examples

```
data(league_context)
head(league_context)
```

---

pitching

*ACC Pitching Data*

---

### Description

Advanced pitching metrics for ACC pitchers including fielding-independent measures.

A dataset containing ACC baseball pitching statistics at the player-season level, including traditional counting stats and advanced sabermetric pitching metrics.

### Usage

```
pitching
```

```
pitching
```

### Format

A data frame with the following columns:

**player\_id** Unique player-season identifier

**Name** Player first and last name

**Age** Player age during season

**Season** Year of season

**Team** ACC team

**ERA** Earned run average

**GS** Games started

**IP** Innings pitched

**H** Hits allowed

**R** Runs allowed

**ER** Earned runs allowed

**HR** Home runs allowed

**BB** Bases on balls

**IBB** Intentional bases on balls

**SO** Strikeouts

**HBP** Times hit by a pitch

**BF** Batters faced

**WHIP** Walks plus hits per inning pitched

**throws** Throwing handedness

**K\_pct** Strikeout percentage

**BB\_pct** Walk percentage

**K\_BB\_pct** Strikeout minus walk percentage

**FIP** Fielding independent pitching

A data frame with one row per player-season and the following columns:

**Season** Integer. The season (calendar year).

**player\_id** Character. Unique player identifier.

**Name** Character. Player full name.

**Age** Character. Age of player in season.

**Team** Character. ACC team abbreviation or name.

**ERA** Numeric. Earned run average.

**GS** Integer. Games started.

**IP** Numeric. Innings pitched.

**H** Integer. Hits allowed.

**R** Integer. Runs allowed.

**ER** Integer. Earned runs allowed.

**BB** Integer. Walks allowed.

**IBB** Integer. Intentional walks.

**SO** Integer. Strikeouts.

**HBP** Integer. Hit by pitch.

**HR** Integer. Home runs allowed.

**BF** Integer. Batters faced.

**WHIP** Numeric. Walks plus hits per inning pitched.

**throws** Character. Throwing handedness: "Right", "Left", "Both" or "Unkown".

**K\_pct** Numeric. Strikeout percentage.

**BB\_pct** Numeric. Walk percentage.

**K\_BB\_pct** Numeric. Strikeout minus walk percentage.

**FIP** Numeric. Fielding-independent pitching.

## Details

Player-season pitching metrics for ACC baseball.

## Source

Publicly available ACC baseball statistics transformed into sabermetric metrics for analysis.

Derived from publicly available ACC baseball data from Sports-Reference (<https://www.sports-reference.com/>).

## Examples

```
data(pitching)
head(pitching)
```

---

players

*ACC Player Data*

---

### Description

Basic player identification information used to join batting and pitching datasets.

A dataset containing player-level metadata for ACC baseball players, including handedness information.

### Usage

```
players
```

```
players
```

### Format

A data frame with the following columns:

**player\_id** Unique player identifier

**Name** Player first and last name

**bats** Batting handedness

**throws** Throwing handedness

A data frame with one row per player and the following columns:

**Name** Character. Player full name.

**player\_id** Character. Unique player identifier.

**bats** Character. Batting handedness: "Right", "Left", "Both" or "Unkown".

**throws** Character. Throwing handedness: "Right", "Left", "Both" or "Unkown".

### Details

Player metadata for ACC baseball players.

### Source

Compiled from publicly available roster information from Sports-Reference.

Derived from publicly available ACC baseball data from Sports-Reference (<https://www.sports-reference.com/>).

### Examples

```
data(players)
head(players)
```

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