

# Package ‘ceblR’

July 19, 2025

**Title** Extract Data from the Canadian Elite Basketball League

**Version** 1.0.0

**Description** Gather boxscore and play-by-play data from the Canadian Elite Basketball League (CEBL) <<https://www.cebl.ca>> to create a repository of basic and advanced statistics for teams and players.

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 7.3.2

**Imports** dplyr, lifecycle, magrittr, readr

**Suggests** knitr, rmarkdown, testthat (>= 3.0.0)

**Config/testthat/edition** 3

**URL** <https://github.com/awosoga/ceblR>, <https://awosoga.github.io/ceblR/>

**BugReports** <https://github.com/awosoga/ceblR/issues>

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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|                   |                          |
|-------------------|--------------------------|
| load_cebl_coaches | <b>Load CEBL Coaches</b> |
|-------------------|--------------------------|

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### Description

A function to load the Canadian Elite Basketball League (CEBL) coaches.

### Usage

```
load_cebl_coaches(seasons = NULL)
```

### Arguments

seasons            A vector of seasons (years) to filter the data.

### Value

A data frame containing the CEBL coaches for the specified seasons.

| Column Name                      | Type |
|----------------------------------|------|
| game_id                          | dbl  |
| season                           | dbl  |
| team_name                        | chr  |
| coach_name                       | chr  |
| coach_type                       | chr  |
| first_name                       | chr  |
| first_name_initial               | chr  |
| last_name                        | chr  |
| last_name_initial                | chr  |
| international_first_name         | chr  |
| international_first_name_initial | chr  |
| international_last_name          | chr  |
| international_last_name_initial  | chr  |
| scoreboard_name                  | chr  |

### Examples

```
load_cebl_coaches(2020:2021)
```

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|                     |                            |
|---------------------|----------------------------|
| load_cebl_officials | <b>Load CEBL Officials</b> |
|---------------------|----------------------------|

---

**Description**

A function to load the Canadian Elite Basketball League (CEBL) officials.

**Usage**

```
load_cebl_officials(seasons = NULL)
```

**Arguments**

seasons                    A vector of seasons (years) to filter the data.

**Value**

A data frame containing the CEBL officials for the specified seasons.

| Column Name                      | Type |
|----------------------------------|------|
| game_id                          | dbl  |
| season                           | dbl  |
| officials_type                   | chr  |
| officials_name                   | chr  |
| first_name                       | chr  |
| last_name                        | chr  |
| scoreboard_name                  | chr  |
| first_name_initial               | chr  |
| last_name_initial                | chr  |
| international_first_name         | chr  |
| international_first_name_initial | chr  |
| international_last_name          | chr  |
| international_last_name_initial  | chr  |
| scoreboard_name                  | chr  |

**Examples**

```
load_cebl_officials(2020:2021)
```

---

|               |                                    |
|---------------|------------------------------------|
| load_cebl_pbp | <b>Load CEBL Play-by-Play Data</b> |
|---------------|------------------------------------|

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**Description**

A function to load the Canadian Elite Basketball League (CEBL) play-by-play data.

**Usage**

```
load_cebl_pbp(seasons = NULL)
```

**Arguments**

seasons            A vector of seasons (years) to filter the data.

**Value**

A data frame containing the CEBL play-by-play data for the specified seasons.

| Column Name     | Type |
|-----------------|------|
| game_id         | dbl  |
| season          | dbl  |
| game_time       | chr  |
| home_score      | dbl  |
| away_score      | dbl  |
| home_lead       | dbl  |
| team_id         | dbl  |
| period          | dbl  |
| period_type     | chr  |
| player_id       | dbl  |
| scoreboard_name | chr  |
| success         | dbl  |
| action_type     | chr  |
| action_number   | dbl  |
| previous_action | dbl  |
| sub_type        | chr  |
| scoring         | dbl  |
| shirt_number    | dbl  |
| player_name     | chr  |
| first_name      | chr  |
| last_name       | chr  |
| x               | dbl  |
| y               | dbl  |
| qualifier_0     | chr  |
| qualifier_1     | chr  |
| qualifier_2     | chr  |
| qualifier_3     | chr  |

|                                  |     |
|----------------------------------|-----|
| international_first_name         | chr |
| international_last_name          | chr |
| international_first_name_initial | chr |
| international_last_name_initial  | chr |

Examples

```
load_cebl_pbp(2020)
```

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|                                   |
|-----------------------------------|
| load_cebl_player_boxscores        |
| <b>Load CEBL Player Boxscores</b> |

---

Description

A function to load the Canadian Elite Basketball League (CEBL) player boxscores.

Usage

```
load_cebl_player_boxscores(seasons = NULL)
```

Arguments

seasons            A vector of seasons (years) to filter the data.

Value

A data frame containing the CEBL player boxscores for the specified seasons.

| Column Name                       | Type |
|-----------------------------------|------|
| game_id                           | dbl  |
| season                            | dbl  |
| team_name                         | chr  |
| player_number                     | dbl  |
| player_name                       | chr  |
| player_position                   | chr  |
| minutes                           | chr  |
| podbls                            | dbl  |
| field_goals_made                  | dbl  |
| field_goals_attempted             | dbl  |
| field_goal_percentage             | dbl  |
| two_podbl_field_goals_made        | dbl  |
| two_podbl_field_goals_attempted   | dbl  |
| two_podbl__percentage             | dbl  |
| three_podbl_field_goals_made      | dbl  |
| three_podbl_field_goals_attempted | dbl  |

|                                  |     |
|----------------------------------|-----|
| three_podbl_percentage           | dbl |
| free_throws_made                 | dbl |
| free_throws_attempted            | dbl |
| free_throw_percentage            | dbl |
| offensive_rebounds               | dbl |
| defensive_rebounds               | dbl |
| rebounds                         | dbl |
| assists                          | dbl |
| turnovers                        | dbl |
| steals                           | dbl |
| blocks                           | dbl |
| blocks_received                  | dbl |
| personal_fouls                   | dbl |
| fouls_drawn                      | dbl |
| plus_minus                       | dbl |
| index_rating                     | dbl |
| index_rating_2                   | dbl |
| index_rating_3                   | dbl |
| index_rating_4                   | dbl |
| index_rating_5                   | dbl |
| index_rating_6                   | dbl |
| index_rating_7                   | lgl |
| second_chance_points             | lgl |
| fast_break_points                | lgl |
| points_in_the_paint              | dbl |
| first_name                       | chr |
| first_name_initial               | chr |
| last_name                        | chr |
| last_name_initial                | chr |
| international_first_name         | chr |
| international_first_name_initial | chr |
| international_last_name          | chr |
| international_last_name_initial  | chr |
| scoreboard_name                  | chr |
| active                           | lgl |
| starter                          | lgl |
| captain                          | lgl |
| photo_t                          | chr |
| photo_s                          | chr |

Examples

```
load_cebl_player_boxscores(2020:2021)
```

---

|                    |                                |
|--------------------|--------------------------------|
| load_cebl_schedule | <b>Load CEBL Game Schedule</b> |
|--------------------|--------------------------------|

---

**Description**

A function to load the Canadian Elite Basketball League (CEBL) schedule.

**Usage**

```
load_cebl_schedule(seasons = NULL)
```

**Arguments**

**seasons** A vector of seasons (years) to filter the data. if NULL, defaults to the range from 2019 to the current year.

**Value**

A data frame containing the CEBL schedule for the specified seasons.

| Column Name            | Type |
|------------------------|------|
| fiba_id                | dbl  |
| season                 | dbl  |
| start_time_utc         | dtm  |
| status                 | chr  |
| competition            | chr  |
| venue_name             | chr  |
| period                 | dbl  |
| home_team_id           | dbl  |
| home_team_name         | chr  |
| home_team_score        | dbl  |
| home_team_logo_url     | chr  |
| home_team_url_stats_en | chr  |
| home_team_url_stats_fr | chr  |
| away_team_id           | dbl  |
| away_team_name         | chr  |
| away_team_score        | dbl  |
| away_team_logo_url     | chr  |
| away_team_url_stats_en | chr  |
| away_team_url_stats_fr | chr  |
| stats_url_en           | chr  |
| stats_url_fr           | chr  |
| cebl_stats_url_en      | chr  |
| cebl_stats_url_fr      | chr  |
| tickets_url_en         | chr  |
| tickets_url_fr         | chr  |
| id                     | dbl  |
| fiba_json_url          | chr  |

**Examples**

```
load_cebl_schedule(2020:2021)
```

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load\_cebl\_team\_boxscores

### Load CEBL Team Boxscores

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#### Description

A function to load the Canadian Elite Basketball League (CEBL) team boxscores.

#### Usage

```
load_cebl_team_boxscores(seasons = NULL)
```

#### Arguments

seasons                      A vector of seasons (years) to filter the data.

#### Value

A data frame containing the CEBL team boxscores for the specified seasons.

| Column Name                       | Type |
|-----------------------------------|------|
| game_id                           | dbl  |
| season                            | dbl  |
| team_name                         | chr  |
| short_name                        | chr  |
| code                              | chr  |
| team_score                        | dbl  |
| minutes                           | chr  |
| field_goals_made                  | dbl  |
| field_goals_attempted             | dbl  |
| field_goal_percentage             | dbl  |
| two_point_field_goals_made        | dbl  |
| two_point_field_goals_attempted   | dbl  |
| two_point_percentage              | dbl  |
| three_point_field_goals_made      | dbl  |
| three_point_field_goals_attempted | dbl  |
| three_point_percentage            | dbl  |
| free_throws_made                  | dbl  |
| free_throws_attempted             | dbl  |
| free_throw_percentage             | dbl  |
| offensive_rebounds                | dbl  |
| defensive_rebounds                | dbl  |
| rebounds                          | dbl  |
| assists                           | dbl  |
| steals                            | dbl  |
| turnovers                         | dbl  |
| blocks                            | dbl  |



|                          |     |
|--------------------------|-----|
| blocks_received          | dbl |
| personal_fouls           | dbl |
| fouls_drawn              | dbl |
| total_fouls              | dbl |
| bonus_fouls              | dbl |
| points_in_the_paint      | dbl |
| second_chance_points     | dbl |
| points_from_turnovers    | dbl |
| bench_points             | dbl |
| fast_break_points        | dbl |
| team_index_rating        | dbl |
| team_index_rating_2      | dbl |
| team_index_rating_3      | dbl |
| team_index_rating_4      | dbl |
| team_index_rating_5      | dbl |
| team_index_rating_6      | dbl |
| team_index_rating_7      | dbl |
| team_fouls               | dbl |
| team_turnovers           | dbl |
| team_rebounds            | dbl |
| team_defensive_rebounds  | dbl |
| team_offensive_rebounds  | dbl |
| period_1_score           | dbl |
| period_2_score           | dbl |
| period_3_score           | dbl |
| period_4_score           | dbl |
| biggest_lead             | dbl |
| biggest_scoring_run      | dbl |
| time_leading             | dbl |
| lead_changes             | dbl |
| times_scores_level       | dbl |
| timeouts_left            | dbl |
| head_coach               | chr |
| assistant_coach_1        | chr |
| assistant_coach_2        | chr |
| international_team_name  | chr |
| international_short_name | chr |
| international_code       | chr |
| logo                     | chr |
| logo_t_url               | chr |
| logo_t_size              | chr |
| logo_t_height            | dbl |
| logo_t_width             | dbl |
| logo_t_bytes             | dbl |
| logo_s_url               | chr |
| logo_s_size              | chr |
| logo_s_height            | dbl |
| logo_s_width             | dbl |

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*load\_cebl\_team\_boxscores*

logo\_s\_bytes

dbl

### **Examples**

```
load_cebl_team_boxscores(2020:2021)
```

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