Package 'nhlscraper'

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Title Scraper for National Hockey League Data

Version 0.1.1

Description Scrapes data from the 'NHL' API into 'tibble's. It primarily wraps endpoints documented by Zach Maludzinski (2023) <https://github.com/Zmalski/NHL-API-Reference>. It covers data from high-level multi-season summaries to low-level play-by-play logs.

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Config/testthat/edition 3

VignetteBuilder knitr

URL https://github.com/RentoSaijo/nhlscraper, https://rentosaijo.github.io/nhlscraper/

BugReports https://github.com/RentoSaijo/nhlscraper/issues

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NeedsCompilation no

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get_configuration *Get configuration for skater, goalie, and team statistics*

Description

Get configuration for skater, goalie, and team statistics

Usage

```
get_configuration()
```

Value

list with 5 items

Examples

```
config <- get_configuration()
```

get_countries *Get all countries*

Description

Get all countries

Usage

```
get_countries()
```

Value

tibble with one row per country

Examples

```
all_countries <- get_countries()
```

get_draft_information *Get draft information for all seasons*

Description

Get draft information for all seasons

Usage

```
get_draft_information()
```

Value

tibble with one row per season

Examples

```
draft_info <- get_draft_information()
```

get_draft_picks *Get draft picks by year (and round)*

Description

Get draft picks by year (and round)

Usage

```
get_draft_picks(year = get_season_now()$seasonId%%10000 - 1, round = "all")
```

Arguments

year	integer Year in YYYY
round	integer or string Round of 1:7 or 'all'

Value

tibble with one row per pick

Examples

```
draft_picks_2024 <- get_draft_picks(year=2024, round='all')
```

get_draft_rankings *Get draft rankings by year and player-type*

Description

Get draft rankings by year and player-type

Usage

```
get_draft_rankings(year = get_season_now()$seasonId%%10000, player_type = 1)
```

Arguments

year	integer Year in YYYY
player_type	integer Player-type where 1=NA Skaters, 2=Int. Skaters, 3=NA Goalies, and 4=Int. Goalies

Value

tibble with one row per player

Examples

```
draft_rankings_2025 <- get_draft_rankings(year=2025)
```

get_draft_tracker *Get draft tracker as of now*

Description

Get draft tracker as of now

Usage

```
get_draft_tracker()
```

Value

tibble with one row per pick

Examples

```
draft_tracker <- get_draft_tracker()
```

get_franchises *Get all franchises*

Description

Get all franchises

Usage

```
get_franchises()
```

Value

tibble with one row per franchise

Examples

```
all_franchises <- get_franchises()
```

get_games *Get all games*

Description

Get all games

Usage

```
get_games()
```

Value

tibble with one row per game

Examples

```
all_games <- get_games()
```

get_game_boxscore *Get boxscore by game, team, and player-type*

Description

Get boxscore by game, team, and player-type

Usage

```
get_game_boxscore(game = 2024020602, team = "home", player_type = "forwards")
```

Arguments

game	integer Game ID
team	string Team of 'home' or 'away'
player_type	string Player-type of 'forwards', 'defense', or 'goalies'

Value

tibble with one row per player

Examples

```
boxscore_2024030411_FLA_defensemen <- get_game_boxscore(
  game=2024030411,
  team='away',
  player_type='defense'
)
```

get_game_landing *Get GC game landing by game*

Description

Get GC game landing by game

Usage

```
get_game_landing(game = 2024020602)
```

Arguments

game	integer Game ID

Value

list of 24 items

Examples

```
game_landing_2024030411 <- get_game_landing(game=2024030411)
```

`get_game_story` *Get WSC game story by game*

Description

Get WSC game story by game

Usage

```
get_game_story(game = 2024020602)
```

Arguments

game	integer Game ID

Value

list of 24 items

Examples

```
game_story_2024030411 <- get_game_story(game=2024030411)
```

`get_gc_play_by_play` *Get GameCenter (GC) play-by-play by game*

Description

Get GameCenter (GC) play-by-play by game

Usage

```
get_gc_play_by_play(game = 2024020602)
```

Arguments

game	integer Game ID

Value

tibble with one row per play

Examples

```
gc_pbp_2024030411 <- get_gc_play_by_play(game=2024030411)
```

get_glossary *Get glossary*

Description

Get glossary

Usage

```
get_glossary()
```

Value

tibble with one row per terminology

Examples

```
glossary <- get_glossary()
```

get_goalies *Get all goalies' biographies by range of seasons*

Description

Get all goalies' biographies by range of seasons

Usage

```
get_goalies(start_season = 19171918, end_season = get_season_now()$seasonId)
```

Arguments

start_season	integer Season to start search in YYYYYYYY
end_season	integer Season to end search in YYYYYYYY

Value

tibble with one row per goalie

Examples

```
goalies_2000s <- get_goalies(start_season=20002001, end_season=20242025)
```

get_goalie_leaders *Get goalie statistics leaders by season, game-type, and category*

Description

Get goalie statistics leaders by season, game-type, and category

Usage

```
get_goalie_leaders(
  season = get_season_now()$seasonId,
  game_type = 2,
  category = "wins"
)
```

Arguments

season	integer Season in YYYYYYYY
game_type	integer Game-type where 2=regular and 3=playoffs
category	string Category e.g. wins, shutouts, savePctg, goalsAgainstAverage

Value

tibble with one row per goalie

Examples

```
playoff_savePctg_leaders_20242025 <- get_goalie_leaders(
  season=20242025,
  game_type=3,
  category='savePctg'
)
```

get_goalie_milestones *Get goalie milestones*

Description

Get goalie milestones

Usage

```
get_goalie_milestones()
```

Value

tibble with one row per goalie

Examples

```
goalie_milestones <- get_goalie_milestones()
```

---

get_goalie_statistics *Get goalie statistics by season*

Description

Get goalie statistics by season

Usage

```
get_goalie_statistics(
  season = get_season_now()$seasonId,
  report = "summary",
  teams = 1:100,
  is_aggregate = FALSE,
  is_game = FALSE,
  dates = c("2025-01-01"),
  game_types = 1:3
)
```

Arguments

season	integer Season in YYYYYYYY
report	string Report (check get_configuration() for possible inputs)
teams	vector of integers Team ID(s)
is_aggregate	boolean isAggregate where TRUE=regular and playoffs combined (or multiple seasons) from multiple teams, if applicable
is_game	boolean isGame where TRUE=rows by games and FALSE=rows by goalies
dates	vector of strings Date(s) in 'YYYY-MM-DD' (only if paired with is_game)
game_types	vector of integers Game-type(s) where 1=pre-season, 2=regular, and 3=playoffs

Value

tibble with one row per goalie or game

Examples

```
playoff_goalie_svr_20242025 <- get_goalie_statistics(
  season=20242025,
  report='startedVsRelieved',
  game_types=c(3)
)
```

get_partner_odds *Get partner odds as of now*

Description

Get partner odds as of now

Usage

```
get_partner_odds(country = "US")
```

Arguments

country	string 2-letter country code e.g. 'US'

Value

tibble with one row per game

Examples

```
partner_odds_now_CA <- get_partner_odds(country='CA')
```

get_player_game_log *Get game-log by player, season, and game-type*

Description

Get game-log by player, season, and game-type

Usage

```
get_player_game_log(
  player = 8480039,
  season = get_season_now()$seasonId,
  game_type = 2
)
```

Arguments

player	integer Player ID
season	integer Season in YYYYYYYY
game_type	integer Game-type where 2=regular and 3=playoffs

Value

tibble with one row per game

Examples

```
playoff_Mikko_Rantanen_gl_20242025 <- get_player_game_log(
  player=8478420,
  season=20242025,
  game_type=3
)
```

`get_player_landing` *Get landing by player*

Description

Get landing by player

Usage

```
get_player_landing(player = 8480039)
```

Arguments

`player`	integer Player ID

Value

list with 36 items

Examples

```
Mikko_Rantanen_landing <- get_player_landing(player=8478420)
```

`get_playoff_bracket` *Get playoff bracket by year*

Description

Get playoff bracket by year

Usage

```
get_playoff_bracket(year = get_season_now()$seasonId%%10000)
```

Arguments

year	integer Year in YYYY

Value

tibble with one row per match-up

Examples

```
bracket_2025 <- get_playoff_bracket(year=2025)
```

---

get_schedule *Get schedule by date*

Description

Get schedule by date

Usage

```
get_schedule(date = "2025-01-01")
```

Arguments

date	string Date in 'YYYY-MM-DD'

Value

tibble with one row per game

Examples

```
schedule_2025_01_02 <- get_schedule(date='2025-01-02')
```

get_scoreboards *Get scoreboard(s) by date*

Description

Get scoreboard(s) by date

Usage

```
get_scoreboards(date = "2025-01-01")
```

Arguments

date	string Date in 'YYYY-MM-DD'

Value

tibble with one row per game

Examples

```
scoreboards_2025_01_02 <- get_scoreboards(date='2025-01-02')
```

get_scores *Get score(s) by date*

Description

Get score(s) by date

Usage

```
get_scores(date = "2025-01-01")
```

Arguments

date	string Date in 'YYYY-MM-DD'

Value

tibble with one row per game

Examples

```
scores_2025_01_02 <- get_scores(date='2025-01-02')
```

get_seasons *Get all seasons*

Description

Get all seasons

Usage

```
get_seasons()
```

Value

tibble with one row per season

Examples

```
all_seasons <- get_seasons()
```

get_season_now *Get season as of now*

Description

Get season as of now

Usage

```
get_season_now()
```

Value

tibble with one row

Examples

```
season_now <- get_season_now()
```

get_series_carousel *Get playoff series carousel by season and round*

Description

Get playoff series carousel by season and round

Usage

```
get_series_carousel(season = get_season_now()$seasonId, round = 1)
```

Arguments

season	integer Season in YYYYYYYY
round	integer Round of 1:4

Value

tibble with one row per match-up

Examples

```
carousel_20242025_2 <- get_series_carousel(season=20242025, round=2)
```

get_series_schedule *Get playoff series schedule*

Description

Get playoff series schedule

Usage

```
get_series_schedule(season = get_season_now()$seasonId, series = "a")
```

Arguments

season	integer Season in YYYYYYYY
series	string 1-letter series code

Value

tibble with one row per game

Examples

```
COL_DAL_schedule_20242025 <- get_series_schedule(season=20242025, series='f')
```

get_shift_charts *Get shift charts*

Description

Get shift charts

Usage

```
get_shift_charts(game = 2024020602)
```

Arguments

game	integer Game ID

Value

tibble with one row per shift

Examples

```
shift_charts_2024030411 <- get_shift_charts(game=2024030411)
```

get_skaters *Get all skaters' biographies by range of seasons*

Description

Get all skaters' biographies by range of seasons

Usage

```
get_skaters(start_season = 19171918, end_season = get_season_now()$seasonId)
```

Arguments

start_season	integer Season to start search in YYYYYYYY
end_season	integer Season to end search in YYYYYYYY

Value

tibble with one row per skater

Examples

```
skaters_2000s <- get_skaters(start_season=20002001, end_season=20242025)
```

get_skater_leaders *Get skater statistics leaders by season, game-type, and category*

Description

Get skater statistics leaders by season, game-type, and category

Usage

```
get_skater_leaders(
  season = get_season_now()$seasonId,
  game_type = 2,
  category = "points"
)
```

Arguments

season	integer Season in YYYYYYYY
game_type	integer GameType where 2=regular and 3=playoffs
category	string e.g. assists, goals, goalsSh, goalsPp, points, penaltyMins, toi, plusMinus, faceoffLeaders

Value

tibble with one row per skater

Examples

```
playoff_toi_leaders_20242025 <- get_skater_leaders(
  season=20242025,
  game_type=3,
  category='toi'
)
```

get_skater_milestones *Get skater milestones*

Description

Get skater milestones

Usage

```
get_skater_milestones()
```

Value

tibble with one row per skater

Examples

```
skater_milestones <- get_skater_milestones()
```

`get_skater_statistics` *Get skater statistics by season*

Description

Get skater statistics by season

Usage

```
get_skater_statistics(
  season = get_season_now()$seasonId,
  report = "summary",
  teams = 1:100,
  is_aggregate = FALSE,
  is_game = FALSE,
  dates = c("2025-01-01"),
  game_types = 1:3
)
```

Arguments

`season`	integer Season in YYYYYYYY
`report`	string Report (check `get_configuration()` for possible inputs)
`teams`	vector of integers Team ID(s)
`is_aggregate`	boolean isAggregate where TRUE=regular and playoffs combined (or multiple seasons) from multiple teams, if applicable
`is_game`	boolean isGame where TRUE=rows by games and FALSE=rows by skaters
`dates`	vector of strings Date(s) in 'YYYY-MM-DD' (only if paired with `is_game`)
`game_types`	vector of integers Game-type(s) where 1=pre-season, 2=regular, and 3=playoffs

Value

tibble with one row per skater or game

Examples

```
regular_skater_shootout_20242025 <- get_skater_statistics(
  season=20242025,
  report='shootout',
  game_types=c(2)
)
```

get_spotlight_players *Get 'spotlight' players as of now*

Description

Get 'spotlight' players as of now

Usage

```
get_spotlight_players()
```

Value

tibble with one row per player

Examples

```
spotlight_players_now <- get_spotlight_players()
```

get_standings *Get standings by date*

Description

Get standings by date

Usage

```
get_standings(date = "2025-01-01")
```

Arguments

date	string Date in 'YYYY-MM-DD'

Value

tibble with one row per team

Examples

```
standings_2025_01_02 <- get_standings(date='2025-01-02')
```

get_standings_information *Get standings information for all seasons*

Description

Get standings information for all seasons

Usage

```
get_standings_information()
```

Value

tibble with one row per season

Examples

```
standings_info <- get_standings_information()
```

get_streams *Get all streams*

Description

Get all streams

Usage

```
get_streams()
```

Value

tibble with one row per stream

Examples

```
all_streams <- get_streams()
```

get_teams *Get all teams*

Description

Get all teams

Usage

```
get_teams()
```

Value

tibble with one row per team

Examples

```
all_teams <- get_teams()
```

get_team_prospects *Get prospects by team and player-type*

Description

Get prospects by team and player-type

Usage

```
get_team_prospects(team = "BOS", player_type = "forwards")
```

Arguments

team	string 3-letter team code
player_type	string Player-type of 'forwards', 'defensemen', or 'goalies'

Value

tibble with one row per player

Examples

```
COL_defensemen_prospects <- get_team_prospects(
  team='COL',
  player_type='defensemen'
)
```

get_team_roster *Get roster by team, season, and player-type*

Description

Get roster by team, season, and player-type

Usage

```
get_team_roster(
  team = "BOS",
  season = get_season_now()$seasonId,
  player_type = "forwards"
)
```

Arguments

team	string 3-letter team code
season	integer Season in YYYYYYYY
player_type	string Player-type of 'forwards', 'defensemen', or 'goalies'

Value

tibble with one row per player

Examples

```
COL_defensemen_20242025 <- get_team_roster(
  team='COL',
  season=20242025,
  player_type='defensemen'
)
```

get_team_roster_statistics *Get roster statistics by team, season, game-type, and player-type*

Description

Get roster statistics by team, season, game-type, and player-type

Usage

```
get_team_roster_statistics(
  team = "BOS",
  season = get_season_now()$seasonId,
  game_type = 2,
  player_type = "skaters"
)
```

Arguments

team	string 3-letter team code
season	integer Season in YYYYYYYY
game_type	integer Game-type where 2=regular and 3=playoffs
player_type	string Player-type of 'skaters' or 'goalies'

Value

tibble with one row per player

Examples

```
regular_COL_goalies_statistics_20242025 <- get_team_roster_statistics(
  team='COL',
  season=20242025,
  game_type=2,
  player_type='goalies'
)
```

---

get_team_schedule *Get schedule by team and season*

Description

Get schedule by team and season

Usage

```
get_team_schedule(team = "BOS", season = get_season_now()$seasonId)
```

Arguments

team	string 3-letter team code
season	integer Season in YYYYYYYY

Value

tibble with one row per game

Examples

```
COL_schedule_20242025 <- get_team_schedule(team='COL', season=20242025)
```

---

get_team_scoreboard *Get team scoreboard as of now*

Description

Get team scoreboard as of now

Usage

```
get_team_scoreboard(team = "BOS")
```

Arguments

team	string 3-letter team code

Value

tibble with one row per game

Examples

```
FLA_scoreboard_now <- get_team_scoreboard(team='FLA')
```

---

get_team_seasons *Get season(s) for which team played in regular season and/or playoffs*

Description

Get season(s) for which team played in regular season and/or playoffs

Usage

```
get_team_seasons(team = "BOS")
```

Arguments

team	string 3-letter team code

Value

tibble with one row per season

Examples

```
COL_seasons <- get_team_seasons(team='COL')
```

`get_team_statistics` *Get team statistics by season*

Description

Get team statistics by season

Usage

```
get_team_statistics(
  season = get_season_now()$seasonId,
  report = "summary",
  is_aggregate = FALSE,
  is_game = FALSE,
  dates = c("2025-01-01"),
  game_types = 1:3
)
```

Arguments

`season`	integer Season in YYYYYYYY
`report`	string Report (check `get_configuration()` for possible inputs)
`is_aggregate`	boolean isAggregate where TRUE=regular and playoffs combined, if applicable
`is_game`	boolean isGame where TRUE=rows by games and FALSE=rows by teams
`dates`	vector of strings Date(s) in 'YYYY-MM-DD' (only if paired with `is_game`; too many dates will result in incomplete data)
`game_types`	vector of integers Game-type(s) where 1=pre-season, 2=regular, and 3=playoffs

Value

tibble with one row per team or game

Examples

```
playoff_team_stf_20242025 <- get_team_statistics(
  season=20242025,
  report='scoretrailfirst',
  game_types=c(3)
)
```

get_tv_schedule *Get TV schedule by date*

Description

Get TV schedule by date

Usage

```
get_tv_schedule(date = "2025-01-01")
```

Arguments

date	string Date in 'YYYY-MM-DD'

Value

tibble with one row per program

Examples

```
tv_schedule_2025_01_02 <- get_tv_schedule(date='2025-01-02')
```

get_wsc_play_by_play *Get World Showcase (WSC) play-by-play by game*

Description

Get World Showcase (WSC) play-by-play by game

Usage

```
get_wsc_play_by_play(game = 2024020602)
```

Arguments

game	integer Game ID

Value

tibble with one row per play

Examples

```
wsc_pbp_2024030411 <- get_wsc_play_by_play(game=2024030411)
```

ping *Ping*

Description

Ping

Usage

```
ping()
```

Value

boolean TRUE=status is okay and FALSE=status is not okay

Examples

```
online <- ping()
```

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