

Package ‘oddsapiio’

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Title Client for the 'Odds-API.io' Sports Betting Odds API

Version 0.1.1

Description Query live and upcoming sports betting odds from the 'Odds-API.io' REST API <<https://docs.odds-api.io>>. Covers sports, bookmakers, leagues, events, per-event odds, value bets and arbitrage bets across 265+ bookmakers, returned as tidy data frames. An API key is required; a free tier is available.

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URL <https://odds-api.io>, <https://github.com/odds-api-io/odds-api-r>

BugReports <https://github.com/odds-api-io/odds-api-r/issues>

Encoding UTF-8

Imports htr2 (>= 1.0.0), jsonlite

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oa_arbitrage_bets	<i>Get arbitrage bets</i>
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Description

Returns arbitrage opportunities across the given bookmakers, including the legs and optimal stake split for each opportunity.

Usage

```
oa_arbitrage_bets(
  bookmakers,
  limit = NULL,
  include_event_details = FALSE,
  api_key = NULL
)
```

Arguments

bookmakers	Character vector of bookmaker names to compare. Required by the API.
limit	Optional maximum number of results (default 50, max 500).
include_event_details	If TRUE, event information is included.
api_key	API key. Defaults to the ODDS_API_KEY environment variable. Not required for this endpoint.

Value

A data frame with one row per arbitrage opportunity. The legs and optimalStakes columns are list-columns of data frames.

Examples

```
## Not run:
arbs <- oa_arbitrage_bets(c("Bet365", "SingBet"),
  include_event_details = TRUE)
arbs[order(-arbs$profitMargin), ]

## End(Not run)
```

oa_bookmakers	<i>List available bookmakers</i>
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Description

Returns the bookmakers covered by 'Odds-API.io'. This endpoint does not require an API key.

Usage

```
oa_bookmakers(api_key = NULL)
```

Arguments

api_key	API key. Defaults to the ODDS_API_KEY environment variable. Not required for this endpoint.
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Value

A data frame with one row per bookmaker (columns name and active).

Examples

```
## Not run:  
bookmakers <- oa_bookmakers()  
head(bookmakers)  
  
## End(Not run)
```

oa_events	<i>List events for a sport</i>
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Description

Returns upcoming, live or settled events. When to is omitted the API returns events within the next 14 days, hard-capped at 5000 rows per response; use limit and skip to paginate.

Usage

```
oa_events(  
  sport,  
  league = NULL,  
  status = NULL,  
  from = NULL,  
  to = NULL,  
  limit = NULL,  
  skip = NULL,
```

```
    bookmaker = NULL,  
    participant_id = NULL,  
    api_key = NULL  
  )
```

Arguments

- sport Sport slug, e.g. "football". See [oa_sports\(\)](#).
- league Optional league slug, e.g. "england-premier-league".
- status Optional statuses to include: any of "pending", "live", "settled". A vector is collapsed to a comma-separated list.
- from, to Optional RFC 3339 date-times bounding the event window, e.g. "2026-09-01T00:00:00Z".
- limit Optional maximum number of events (capped at 5000).
- skip Optional pagination offset, used together with limit.
- bookmaker Optional bookmaker name; only events with odds from that bookmaker are returned.
- participant_id Optional team or participant id to filter by.
- api_key API key. Defaults to the ODDS_API_KEY environment variable. Not required for this endpoint.

Value

A data frame with one row per event.

Examples

```
## Not run:  
events <- oa_events("football", league = "england-premier-league")  
live <- oa_events("football", status = c("pending", "live"))  
  
## End(Not run)
```

oa_leagues	<i>List leagues for a sport</i>
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Description

List leagues for a sport

Usage

```
oa_leagues(sport, api_key = NULL)
```

Arguments

sport	Sport slug, e.g. "football". See oa_sports() .
api_key	API key. Defaults to the ODDS_API_KEY environment variable. Not required for this endpoint.

Value

A data frame with one row per league (columns name, slug and eventsCount).

Examples

```
## Not run:
leagues <- oa_leagues("football")
head(leagues)

## End(Not run)
```

oa_odds	<i>Get odds for an event</i>
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Description

Fetches odds for one event from up to 30 bookmakers and returns them as a tidy data frame with one row per price line.

Usage

```
oa_odds(event_id, bookmakers, api_key = NULL)
```

Arguments

event_id	Event id, from oa_events() .
bookmakers	Character vector of bookmaker names (max 30), e.g. c("Bet365", "SingBet"). Required by the API.
api_key	API key. Defaults to the ODDS_API_KEY environment variable. Not required for this endpoint.

Value

A data frame with one row per odds line, with columns eventId, bookmaker, market, updatedAt and the price columns present in the response (such as home, draw, away, hdp, over, under).

Examples

```
## Not run:
odds <- oa_odds(123456, bookmakers = c("Bet365", "SingBet"))
subset(odds, market == "ML")

## End(Not run)
```

`oa_sports`*List available sports*

Description

Returns the sports covered by 'Odds-API.io'. This endpoint does not require an API key.

Usage

```
oa_sports(api_key = NULL)
```

Arguments

<code>api_key</code>	API key. Defaults to the ODDS_API_KEY environment variable. Not required for this endpoint.
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Value

A data frame with one row per sport (columns name and slug).

Examples

```
## Not run:  
sports <- oa_sports()  
head(sports)  
  
## End(Not run)
```

`oa_value_bets`*Get value bets*

Description

Returns value betting opportunities for a bookmaker, calculated by comparing its odds against the market consensus.

Usage

```
oa_value_bets(  
  bookmaker,  
  sport = NULL,  
  league = NULL,  
  include_event_details = FALSE,  
  api_key = NULL  
)
```

Arguments

bookmaker	Bookmaker name, e.g. "Bet365". Required by the API.
sport	Optional sport slug filter, e.g. "baseball".
league	Optional league slug filter; requires sport to be set.
include_event_details	If TRUE, event information (teams, date, sport, league) is included in the result.
api_key	API key. Defaults to the ODDS_API_KEY environment variable. Not required for this endpoint.

Value

A data frame with one row per value bet, including the bet side, expected value and bookmaker odds.

Examples

```
## Not run:
vb <- oa_value_bets("Bet365", include_event_details = TRUE)
vb[vb$expectedValue > 0.03, ]

## End(Not run)
```

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