

Main functions

There are broadly 5 main functions

- `fetch_fixture` - returns the fixture for a given round and season
- `fetch_lineup` - returns the lineup any matches in a given round and season
- `fetch_results` - returns the match results for a given round and season
- `fetch_ladder` - returns the ladder for a given round and season
- `fetch_player_stats` - returns the detailed player stats for a set of matches within a given round or season

Arguments

Each function accepts 4 arguments. These are consistent between functions and provide sane and common defaults. The common arguments are:

- `season` - the season or seasons to return data from. If NULL (the default), will return the season that matches `Sys.Date()`
- `round_number` - the round to return data from. If NULL (the default), will return data from all rounds
- `source` - the source with which to return data from. Must be one of "AFL" (default), "footywire", "fryzigg", "afltables", "squiggle"
- `comp` - the competition to return data from. Must be one of "AFLM" (default) or "AFLW". Not all data sources will have AFLW data.

Examples

Basic Usage

All of the functions behave the same. The following are some examples using the `fetch_fixture` function but can equally be applied to any of the family of `fetch_` functions.

```
fetch_fixture(2021)
```

```
#> # A tibble: 198 × 46
#>       id providerId utcStartTime      status compSeason.id compSeason.provi...
#>   <int> <chr>      <chr>      <chr>      <int> <chr>
#> 1  2991 CD_M2021014... 2021-03-18T08:25:... SCHEDU...      34 CD_S2021014
#> 2  2986 CD_M2021014... 2021-03-19T08:50:... SCHEDU...      34 CD_S2021014
#> 3  2992 CD_M2021014... 2021-03-20T02:45:... SCHEDU...      34 CD_S2021014
#> 4  2993 CD_M2021014... 2021-03-20T05:35:... SCHEDU...      34 CD_S2021014
#> 5  2994 CD_M2021014... 2021-03-20T08:25:... SCHEDU...      34 CD_S2021014
#> 6  2987 CD_M2021014... 2021-03-20T08:45:... SCHEDU...      34 CD_S2021014
#> 7  2990 CD_M2021014... 2021-03-21T02:10:... SCHEDU...      34 CD_S2021014
#> 8  2989 CD_M2021014... 2021-03-21T04:20:... SCHEDU...      34 CD_S2021014
#> 9  2988 CD_M2021014... 2021-03-21T07:10:... SCHEDU...      34 CD_S2021014
#> 10 2999 CD_M2021014... 2021-03-25T08:20:... SCHEDU...      34 CD_S2021014
#> # ... with 188 more rows, and 40 more variables: compSeason.name <chr>,
#> #   compSeason.shortName <chr>, compSeason.currentRoundNumber <int>,
#> #   round.id <int>, round.providerId <chr>, round.abbreviation <chr>,
#> #   round.name <chr>, round.roundNumber <int>, round.byes <list>,
#> #   home.team.id <int>, home.team.providerId <chr>, home.team.name <chr>,
#> #   home.team.abbreviation <chr>, home.team.nickname <chr>,
#> #   home.team.teamType <chr>, home.team.club.id <int>,
#> #   home.team.club.providerId <chr>, home.team.club.name <chr>,
#> #   home.team.club.abbreviation <chr>, home.team.club.nickname <chr>,
#> #   away.team.id <int>, away.team.providerId <chr>, away.team.name <chr>,
#> #   away.team.abbreviation <chr>, away.team.nickname <chr>,
#> #   away.team.teamType <chr>, away.team.club.id <int>,
#> #   away.team.club.providerId <chr>, away.team.club.name <chr>,
#> #   away.team.club.abbreviation <chr>, away.team.club.nickname <chr>,
#> #   venue.id <int>, venue.providerId <chr>, venue.name <chr>,
#> #   venue.abbreviation <chr>, venue.location <chr>, venue.state <chr>,
#> #   venue.timezone <chr>, metadata.travel_link <chr>, compSeason.year <dbl>
```

This is the same as

```
fetch_fixture(season = 2021, comp = "AFLM", source = "AFL")
```

We can return just one round instead of the whole fixture.

```
fetch_fixture(season = 2021, round_number = 2) %>%
  select(compSeason.name, round.name, home.team.name, away.team.name, venue.name)
```

```
#> # A tibble: 9 × 5
#>   compSeason.name      round.name home.team.name away.team.name venue.name
#>   <chr>             <chr>      <chr>      <chr>      <chr>
#> 1 2021 Toyota AFL Prem... Round 2    Carlton      Collingwood    MCG
#> 2 2021 Toyota AFL Prem... Round 2    Geelong Cats   Brisbane Lions GMHBA Stadi...
#> 3 2021 Toyota AFL Prem... Round 2    Sydney Swans  Adelaide Crows SCG
#> 4 2021 Toyota AFL Prem... Round 2    Port Adelaide Essendon      Adelaide Ov...
#> 5 2021 Toyota AFL Prem... Round 2    St Kilda      Melbourne      Marvel Stad...
#> 6 2021 Toyota AFL Prem... Round 2    Gold Coast Suns North Melbourne Metricon St...
#> 7 2021 Toyota AFL Prem... Round 2    Hawthorn      Richmond      MCG
#> 8 2021 Toyota AFL Prem... Round 2    Western Bulldo... West Coast Eagl... Marvel Stad...
#> 9 2021 Toyota AFL Prem... Round 2    Fremantle     GWS Giants     Optus Stadi...
```

We could also return the AFLW fixture instead.

```
fetch_fixture(season = 2021, comp = "AFLW") %>%
  select(compSeason.name, round.name,
         home.team.name, away.team.name,
         venue.name)
```

```
#> # A tibble: 63 × 5
#>   compSeason.name round.name home.team.name away.team.name venue.name
#>   <chr>           <chr>      <chr>         <chr>         <chr>
#> 1 2021 NAB AFLW Com... Round 1   Carlton      Collingwood    Ikon Park
#> 2 2021 NAB AFLW Com... Round 1   St Kilda      Western Bulldo... RSEA Park
#> 3 2021 NAB AFLW Com... Round 1   Gold Coast Suns Melbourne    Metricon Stadi...
#> 4 2021 NAB AFLW Com... Round 1   West Coast Eag... Adelaide Crows Mineral Resour...
#> 5 2021 NAB AFLW Com... Round 1   Geelong Cats   Kangaroos      GMHBA Stadium
#> 6 2021 NAB AFLW Com... Round 1   Richmond      Brisbane Lions Swinburne Cent...
#> 7 2021 NAB AFLW Com... Round 1   Fremantle      GWS Giants     Fremantle Oval
#> 8 2021 NAB AFLW Com... Round 2   Western Bulldo... Carlton      Victoria Unive...
#> 9 2021 NAB AFLW Com... Round 2   Collingwood    Geelong Cats   Victoria Park
#> 10 2021 NAB AFLW Com... Round 2   Melbourne      Richmond       Casey Fields
#> # ... with 53 more rows
```

Lastly - we can choose a different source. Note that the field names and even the names of the teams and/or venues will be different for difference sources.

```
fetch_fixture(2021, round_number = 1, source = "squiggle")
```

```
#> # A tibble: 198 × 24
#>   id hteam ascore localtime year is_grand_final updated ateam hscore date
#>   <int> <chr> <int> <chr> <int> <int> <chr> <chr> <int> <chr>
#> 1 6243 Adela... 0 2021-03-... 2021 0 2020-1... Geel... 0 2021...
#> 2 6245 Brisb... 0 2021-03-... 2021 0 2020-1... Sydn... 0 2021...
#> 3 6241 Colli... 0 2021-03-... 2021 0 2020-1... West... 0 2021...
#> 4 6244 Essen... 0 2021-03-... 2021 0 2020-1... Hawt... 0 2021...
#> 5 6247 Great... 0 2021-03-... 2021 0 2020-1... St K... 0 2021...
#> 6 6242 Melbo... 0 2021-03-... 2021 0 2020-1... Frem... 0 2021...
#> 7 6246 North... 0 2021-03-... 2021 0 2020-1... Port... 0 2021...
#> 8 6240 Richm... 0 2021-03-... 2021 0 2020-1... Carl... 0 2021...
#> 9 6248 West ... 0 2021-03-... 2021 0 2020-1... Gold... 0 2021...
#> 10 6249 Carlt... 0 2021-03-... 2021 0 2020-1... Coll... 0 2021...
#> # ... with 188 more rows, and 14 more variables: round <int>, tz <chr>,
#> # hgoals <lgl>, roundname <chr>, is_final <int>, winner <lgl>,
#> # complete <int>, winnerteamid <lgl>, abehinds <lgl>, ateamid <int>,
#> # hteamid <int>, hbehinds <lgl>, agoals <lgl>, venue <chr>
```

It should also be noted that the various sources of data have their own functions that can be called directly.

```
# The following are the same
fetch_fixture(2021, round_number = 5, source = "squiggle")
fetch_fixture_squiggle(2021, round_number = 5)
```