Fixture

Firstly, we can return the fixture for a season or particular round.

```
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
```

Lineup

We can get the lineup for a given set of matches in a particular round.

```
fetch_lineup(2021, round_number = 1, comp = "AFLW") %>%
  select(round.name, status, teamName,
         player.playerName.givenName,
         player.playerName.surname, teamStatus)
```

```
#> # A tibble: 294 × 6
#>    round.name status    teamName player.playerName.… player.playerName… teamStatus
#>    <chr>      <chr>     <chr>    <chr>               <chr>              <chr>
#>  1 Round 1    CONCLU…   Carlton  Brooke              Vernon             FINAL_TEAM
#>  2 Round 1    CONCLU…   Carlton  Natalie             Plane              FINAL_TEAM
#>  3 Round 1    CONCLU…   Carlton  Vaomua              Laloifi            FINAL_TEAM
#>  4 Round 1    CONCLU…   Carlton  Charlotte           Wilson             FINAL_TEAM
#>  5 Round 1    CONCLU…   Carlton  Kerryn              Harrington         FINAL_TEAM
#>  6 Round 1    CONCLU…   Carlton  Lauren              Brazzale           FINAL_TEAM
#>  7 Round 1    CONCLU…   Carlton  Elise               O'Dea              FINAL_TEAM
#>  8 Round 1    CONCLU…   Carlton  Katie               Loynes             FINAL_TEAM
#>  9 Round 1    CONCLU…   Carlton  Abbie               McKay              FINAL_TEAM
#> 10 Round 1    CONCLU…   Carlton  Tayla               Harris             FINAL_TEAM
#> # … with 284 more rows
```

Results

The match results, including the teams playing, venue information and final scores are returned via `fetch_results`.

```
fetch_results(2020, round_number = 1, comp = "AFLW") %>%
  select( match.date, match.name,
        homeTeamScore.matchScore.totalScore, awayTeamScore.matchScore.totalScore)
```

```
#> # A tibble: 7 × 4
#>   match.date          match.name       homeTeamScore.match… awayTeamScore.match…
#>   <dttm>              <chr>                            <int>                <int>
#> 1 2020-02-07 08:45:00 Richmond Vs Car…                    14                   48
#> 2 2020-02-08 02:10:00 GWS Giants Vs G…                     9                    8
#> 3 2020-02-08 04:10:00 Melbourne Vs Ka…                    22                   20
#> 4 2020-02-08 06:10:00 Brisbane Lions …                    34                   21
#> 5 2020-02-09 02:10:00 Collingwood Vs …                    38                   11
#> 6 2020-02-09 04:10:00 St Kilda Vs Wes…                    14                   39
#> 7 2020-02-09 06:10:00 Fremantle Vs Ge…                    44                   28
```

Ladder

We can also get the ladder at any point with `fetch_ladder`.

```
fetch_ladder(2020, round_number = 6, comp = "AFLW") %>%
  select(season, round_name,
        position, team.name, played,
        pointsFor, pointsAgainst)
```

```
#> # A tibble: 14 × 7
#>    season round_name  position team.name        played pointsFor pointsAgainst
#>     <dbl> <chr>          <int> <chr>             <int>     <int>         <int>
#>  1   2020 Semi Finals       1 Kangaroos             6       309           136
#>  2   2020 Semi Finals       2 GWS Giants            6       175           142
#>  3   2020 Semi Finals       3 Brisbane Lions        6       198           185
#>  4   2020 Semi Finals       4 Gold Coast Suns       6       154           152
#>  5   2020 Semi Finals       5 Geelong Cats          6       211           261
#>  6   2020 Semi Finals       6 Adelaide Crows        6       180           224
#>  7   2020 Semi Finals       7 Richmond              6       115           322
#>  8   2020 Semi Finals       1 Fremantle             6       277           179
#>  9   2020 Semi Finals       2 Carlton               6       249           164
#> 10   2020 Semi Finals       3 Melbourne             6       204           124
#> 11   2020 Semi Finals       4 Collingwood           6       229           149
#> 12   2020 Semi Finals       5 St Kilda              6       154           170
#> 13   2020 Semi Finals       6 Western Bulldogs      6       179           246
#> 14   2020 Semi Finals       7 West Coast Eagles     6        85           265
```

Stats

Lastly - we have basic player stats. This will return player level statistics such as possessions, time on ground, fantasy points and a myriad of other statistics.

```
fetch_player_stats(2020, round_number = 1, comp = "AFLW") %>%
    select(player.player.player.givenName:clearances.totalClearances)
```

```
#> # A tibble: 294 × 45
#>    player.player.pl… player.player.pl… teamId gamesPlayed timeOnGroundPer… goals
#>    <chr>             <chr>             <chr>  <lgl>                  <dbl> <dbl>
#>  1 Gabrielle         Seymour           CD_T8… NA                        93     0
#>  2 Kodi              Jacques           CD_T8… NA                        74     0
#>  3 Sabrina           Frederick         CD_T8… NA                        94     1
#>  4 Hannah            Burchell          CD_T8… NA                        60     0
#>  5 Tayla             Stahl             CD_T8… NA                        74     0
#>  6 Katie             Brennan           CD_T8… NA                        94     0
#>  7 Madeline          Brancatisano      CD_T8… NA                        67     0
#>  8 Laura             Bailey            CD_T8… NA                        70     0
#>  9 Monique           Conti             CD_T8… NA                        85     0
#> 10 Christina         Bernardi          CD_T8… NA                        70     0
#> # … with 284 more rows, and 39 more variables: behinds <dbl>, superGoals <lgl>,
#> #   kicks <dbl>, handballs <dbl>, disposals <dbl>, marks <dbl>, bounces <dbl>,
#> #   tackles <dbl>, contestedPossessions <dbl>, uncontestedPossessions <dbl>,
#> #   totalPossessions <dbl>, inside50s <dbl>, marksInside50 <dbl>,
#> #   contestedMarks <dbl>, hitouts <dbl>, onePercenters <dbl>,
#> #   disposalEfficiency <dbl>, clangers <dbl>, freesFor <dbl>,
#> #   freesAgainst <dbl>, dreamTeamPoints <dbl>, rebound50s <dbl>,
#> #   goalAssists <dbl>, goalAccuracy <dbl>, ratingPoints <lgl>, ranking <lgl>,
#> #   lastUpdated <chr>, turnovers <dbl>, intercepts <dbl>,
#> #   tacklesInside50 <dbl>, shotsAtGoal <dbl>, goalEfficiency <lgl>,
#> #   shotEfficiency <lgl>, interchangeCounts <lgl>, scoreInvolvements <dbl>,
#> #   metresGained <dbl>, clearances.centreClearances <dbl>,
#> #   clearances.stoppageClearances <dbl>, clearances.totalClearances <dbl>
```

Legacy/Advanced Stats

We have a legacy function to provide advanced AFLW stats. This is going to be deprecated in favour of a more robust solution but still works for now. The following code should show you how to use those functions. ### Match data

A good thing to check is that the cookie is working. Often this gets changed or moved and without it, the code won't work.

```
cookie <- get_afl_cookie()
print(cookie)
```

```
#> [1] "3ed8aa413ae9ed5096f410a0078c2047"
```

Note - if this is `NULL` the rest of this Vignette won't show any outputs but the code will remain!

We can use the `fetch_results()` function to retrieve match data matches.

```
match_data <- fetch_results(2020, round_number = 1, comp = "AFLW")
```

Note that there will be warnings if a fixture is available but no match data has been added yet. If this is the case,

make sure you don't try to request detailed match stats for these match IDs.

```
glimpse(match_data)
#> Rows: 7
#> Columns: 75
#> $ match.name                        <chr> "Richmond Vs Carlton", "GWS Giants…
#> $ match.date                        <dttm> 2020-02-07 08:45:00, 2020-02-08 0…
#> $ match.status                      <chr> "CONCLUDED", "CONCLUDED", "CONCLUD…
#> $ match.matchId                     <chr> "CD_M20202640101", "CD_M2020264010…
#> $ match.venue                       <chr> "CD_V50", "CD_V402", "CD_V371", "C…
#> $ match.utcStartTime                <chr> "2020-02-07T08:45:00", "2020-02-08…
#> $ match.homeTeamId                  <chr> "CD_T8788", "CD_T7889", "CD_T7386"…
#> $ match.awayTeamId                  <chr> "CD_T8096", "CD_T8786", "CD_T8466"…
#> $ match.round                       <chr> "CD_R202026401", "CD_R202026401", …
#> $ match.venueLocalStartTime         <chr> "2020-02-07T19:45:00", "2020-02-08…
#> $ match.abbr                        <chr> "RICH V CARL", "GWS V GCFC", "MELB…
#> $ match.twitterHashTag              <chr> "#AFLWTigersBlues", "#AFLWGiantsSu…
#> $ match.homeTeam.name               <chr> "Richmond", "GWS Giants", "Melbour…
#> $ match.homeTeam.timeZone           <lgl> NA, NA, NA, NA, NA, NA, NA
#> $ match.homeTeam.teamId             <chr> "CD_T8788", "CD_T7889", "CD_T7386"…
#> $ match.homeTeam.abbr               <chr> "RICH", "GWS", "MELB", "BL", "COLL…
#> $ match.homeTeam.nickname           <chr> "Richmond", "Giants", "Demons", "L…
#> $ match.awayTeam.name               <chr> "Carlton", "Gold Coast Suns", "Kan…
#> $ match.awayTeam.timeZone           <lgl> NA, NA, NA, NA, NA, NA, NA
#> $ match.awayTeam.teamId             <chr> "CD_T8096", "CD_T8786", "CD_T8466"…
#> $ match.awayTeam.abbr               <chr> "CARL", "GCFC", "NMFC", "ADEL", "W…
#> $ match.awayTeam.nickname           <chr> "Blues", "Suns", "Kangaroos", "Cro…
#> $ venue.address                     <chr> "Melbourne", "Sydney", "Melbourne"…
#> $ venue.name                        <chr> "Ikon Park", "Blacktown Internatio…
#> $ venue.state                       <chr> "VIC", "NSW", "VIC", "QLD", "VIC",…
#> $ venue.timeZone                    <chr> "Australia/Melbourne", "Australia/…
#> $ venue.venueId                     <chr> "CD_V50", "CD_V402", "CD_V371", "C…
#> $ venue.abbreviation                <chr> "IKP", "BISP", "CAS", "HP", "VIPC"…
#> $ venue.capacity                    <lgl> NA, NA, NA, NA, NA, NA, NA
#> $ venue.groundDimension             <lgl> NA, NA, NA, NA, NA, NA, NA
#> $ venue.latitude                    <lgl> NA, NA, NA, NA, NA, NA, NA
#> $ venue.longitude                   <lgl> NA, NA, NA, NA, NA, NA, NA
#> $ round.name                        <chr> "Round 1", "Round 1", "Round 1", "…
#> $ round.year                        <chr> "2020", "2020", "2020", "2020", "2…
#> $ round.roundId                     <chr> "CD_R202026401", "CD_R202026401", …
#> $ round.abbreviation                <chr> "Rd 1", "Rd 1", "Rd 1", "Rd 1", "R…
#> $ round.competitionId               <chr> "CD_S2020264", "CD_S2020264", "CD_…
#> $ round.roundNumber                 <int> 1, 1, 1, 1, 1, 1, 1
#> $ status                            <chr> "CONCLUDED", "CONCLUDED", "CONCLUD…
#> $ matchId                           <chr> "CD_M20202640101", "CD_M2020264010…
#> $ scoreWorm                         <lgl> NA, NA, NA, NA, NA, NA, NA
#> $ scoreMap                          <lgl> NA, NA, NA, NA, NA, NA, NA
#> $ lastUpdated                       <chr> "2020-02-07T11:04:44.540+0000", "2…
#> $ homeTeamScore.periodScore         <list> [<data.frame[4 x 5]>], [<data.fram…
#> $ homeTeamScore.rushedBehinds       <int> 0, 0, 0, 1, 0, 0, 2
#> $ homeTeamScore.minutesInFront      <int> 0, 9, 12, 56, 39, 0, 37
#> $ homeTeamScore.matchScore.totalScore <int> 14, 9, 22, 34, 38, 14, 44
#> $ homeTeamScore.matchScore.goals    <int> 2, 1, 3, 5, 5, 2, 6
#> $ homeTeamScore.matchScore.behinds  <int> 2, 3, 4, 4, 8, 2, 8
#> $ homeTeamScore.matchScore.superGoals <lgl> NA, NA, NA, NA, NA, NA, NA
#> $ awayTeamScore.periodScore         <list> [<data.frame[4 x 5]>], [<data.fram…
#> $ awayTeamScore.rushedBehinds       <int> 4, 0, 0, 3, 0, 0, 3
#> $ awayTeamScore.minutesInFront      <int> 56, 23, 29, 0, 20, 60, 10
```

```
#> $ awayTeamScore.matchScore.totalScore <int> 48, 8, 20, 21, 11, 39, 28
#> $ awayTeamScore.matchScore.goals      <int> 6, 1, 3, 3, 1, 6, 4
#> $ awayTeamScore.matchScore.behinds    <int> 12, 2, 2, 3, 5, 3, 4
#> $ awayTeamScore.matchScore.superGoals <lgl> NA, NA, NA, NA, NA, NA, NA
#> $ matchClock.periods                  <list> [<data.frame[4 x 5]>], [<data.fram…
#> $ weather.description                 <chr> "Humid Partly cloudy", "Rain, heav…
#> $ weather.tempInCelsius               <dbl> 26, 21, 28, 18, 26, 26, 18
#> $ weather.weatherType                 <chr> "OVERCAST", "RAIN", "OVERCAST", "M…
#> $ homeTeamScoreChart.goals            <int> 2, 1, 3, 5, 5, 2, 6
#> $ homeTeamScoreChart.leftBehinds      <int> 1, 2, 3, 1, 3, 0, 2
#> $ homeTeamScoreChart.rightBehinds     <int> 1, 1, 1, 1, 3, 2, 4
#> $ homeTeamScoreChart.leftPosters      <int> 0, 0, 0, 0, 1, 0, 0
#> $ homeTeamScoreChart.rightPosters     <int> 0, 0, 0, 1, 1, 0, 0
#> $ homeTeamScoreChart.rushedBehinds    <int> 0, 0, 0, 1, 0, 0, 2
#> $ homeTeamScoreChart.touchedBehinds   <int> 0, 0, 0, 0, 0, 0, 0
#> $ awayTeamScoreChart.goals            <int> 6, 1, 3, 3, 1, 6, 4
#> $ awayTeamScoreChart.leftBehinds      <int> 3, 1, 1, 0, 1, 2, 0
#> $ awayTeamScoreChart.rightBehinds     <int> 3, 1, 1, 0, 4, 0, 1
#> $ awayTeamScoreChart.leftPosters      <int> 0, 0, 0, 0, 0, 1, 0
#> $ awayTeamScoreChart.rightPosters     <int> 1, 0, 0, 0, 0, 0, 0
#> $ awayTeamScoreChart.rushedBehinds    <int> 4, 0, 0, 3, 0, 0, 3
#> $ awayTeamScoreChart.touchedBehinds   <int> 1, 0, 0, 0, 0, 0, 0
```

Detailed stats

The `get_aflw_detailed_data()` can be used to return more detailed data than the match data shown above. It takes a vector of match IDs as an argument. For example, let's say we want detailed stats for the first 10 games in `match_data` above. Then we would do:

```
first10 <- head(match_data, 10)
first10_ids <- first10$Match.Id
first10_ids
#> NULL
```

```
detailed <- get_aflw_detailed_data(first10_ids)
glimpse(detailed)
```