

Australian Womens Professional Basketball

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Australian: Women's National Basketball League (WNBL)

Author and Source:

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- Twitch: /jacquietran
- Github: <https://github.com/jacquietran/wnbl>

Box Scores

Team-level box scores, with all your usual basketball box score metrics like points scored, field goals made / attempted, free throws made / attempted, rebounds, turnovers, and the like.

```
## # A tibble: 42 x 10
##   variables      min      Q1    mean median      Q3    max  zero minus outlier
##   <chr>         <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <int> <int> <int>
## 1 season      2014    2015  2.02e3 2.02e3 2.02e3 2.02e3     0     0     0
## 2 page_id    64511 137281. 6.59e5 5.77e5 9.14e5 1.81e6     0     0     0
## 3 points_total 33      67    7.58e1 7.5 e1 8.4 e1 1.2 e2     0     0    10
## 4 points_tota~ 33      67    7.58e1 7.5 e1 8.4 e1 1.2 e2     0     0    10
## 5 points_marg~ -63     -12     0      0    1.2 e1 6.3 e1     0    600     8
## 6 field_goals~ 13      25    2.85e1 2.8 e1 3.2 e1 4.9 e1     0     0     8
## 7 field_goals~ 38      63    6.82e1 6.8 e1 7.3 e1 9.8 e1     0     0     5
## 8 field_goals~ 20.6    37    4.14e1 4.13e1 4.6 e1 6.5 e1     0     0     6
## 9 three_point~ 0        5    6.75e0 6 e0 9 e0 1.8 e1     9     0    12
## 10 three_point~ 4       16    2.01e1 2 e1 2.4 e1 4.2 e1     0     0     8
## # ... with 32 more rows
```

Box Scores Detail: Players

Player-level box scores.pbp

```
## # A tibble: 30 x 10
##   variables      min      Q1    mean median      Q3    max  zero minus outlier
##   <chr>         <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <int> <int> <int>
## 1 season      2014    2015  2.02e+3 2017    2018 2.02e3     0     0     0
## 2 page_id    64511 137282 6.69e+5 681904 913555 1.81e6     0     0     0
## 3 starter      0      0  4.66e-1     0     1 1 e0 6883     0     0
## 4 points      0      0  7.02e+0     5    12 4.4 e1 3561     0    65
```

```
## 5 points_second~ 0 0 8.01e-1 0 1 1.4 e1 9630 0 1554
## 6 points_fast_b~ 0 0 5.23e-1 0 0 1.2 e1 8676 0 2051
## 7 points_in_the~ 0 0 3.02e+0 2 4 3.2 e1 4651 0 557
## 8 points_from_t~ 0 0 1.13e+0 0 2 1.2 e1 1250 0 83
## 9 field_goals_m~ 0 0 2.63e+0 2 4 1.9 e1 3974 0 159
## 10 field_goals_a~ 0 1 6.31e+0 5 10 2.9 e1 2474 0 36
## # ... with 20 more rows
```

Play by Play

Play-by-play data.

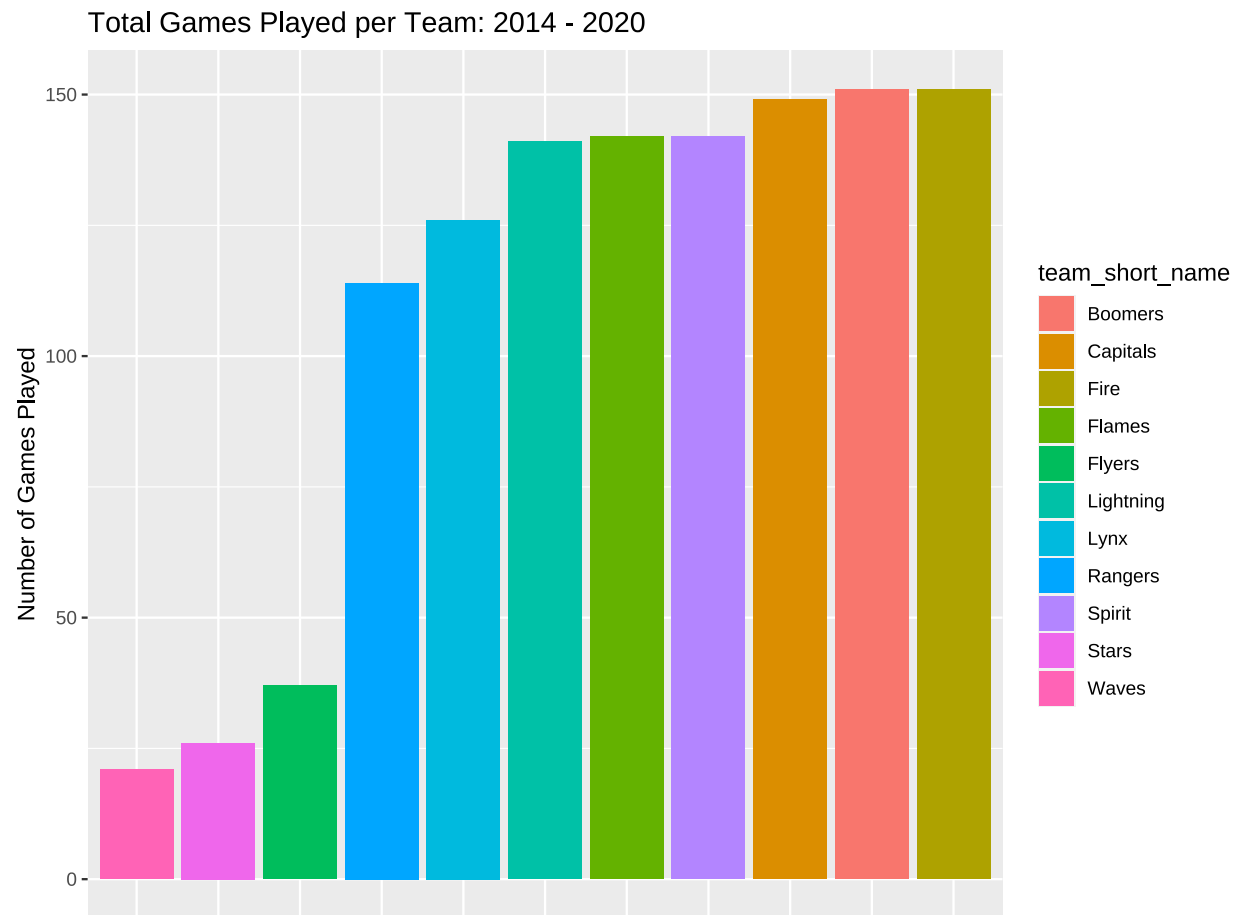
```
## # A tibble: 20 x 10
##   variables      min      Q1    mean median      Q3    max    zero  minus outlier
##   <chr>      <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <int> <int> <int>
## 1 season      2014    2015 2.02e+3 2016    2018 2.02e3      0      0      0
## 2 page_id    64511 137279 6.52e+5 577304 913548 1.81e6      0      0      0
## 3 action_number 1     141 2.88e+2 283    425 8.75e2      0      0     24
## 4 period      1      1 2.49e+0 2      3 4 e0      0      0      0
## 5 home_team_sc~ 0     20 3.98e+1 39     58 1.2 e2 10011      0     61
## 6 away_team_sc~ 0     19 3.80e+1 37     56 1.13e2 10269      0     15
## 7 margin_home_~-53    -5 1.80e+0 1      8 6.3 e1 21525 130539 14061
## 8 shirt_number 0      7 1.47e+1 11     22 5.5 e1 1723      0     467
## 9 is_successful 0      1 8.38e-1 1      1 1 e0 52208      0 52208
## 10 is_shot_atte~ 0      0 3.14e-1 0      1 1 e0 220634      0      0
## 11 is_team_stat 0      0 1.20e-2 0      0 1 e0 115232      0 1405
## 12 is_from_turn~ 0      0 3.59e-2 0      0 1 e0 112450      0 4187
## 13 is_points_in~ 0      0 8.57e-2 0      0 1 e0 106639      0 9998
## 14 is_second_ch~ 0      0 2.92e-2 0      0 1 e0 113234      0 3403
## 15 is_fast_break 0      0 1.11e-2 0      0 1 e0 115342      0 1295
## 16 is_shooting_~ 0      0 4.59e-3 0      0 1 e0 116102      0 535
## 17 is_shooting_~ 0      0 1.49e-2 0      0 1 e0 114902      0 1735
## 18 is_shooting_~ 0      0 2.06e-4 0      0 1 e0 116613      0 24
## 19 is_blocked   0      0 7.77e-3 0      0 1 e0 115731      0 906
## 20 is_double_fo~ 0      0 1.71e-5 0      0 1 e0 116635      0 2
```

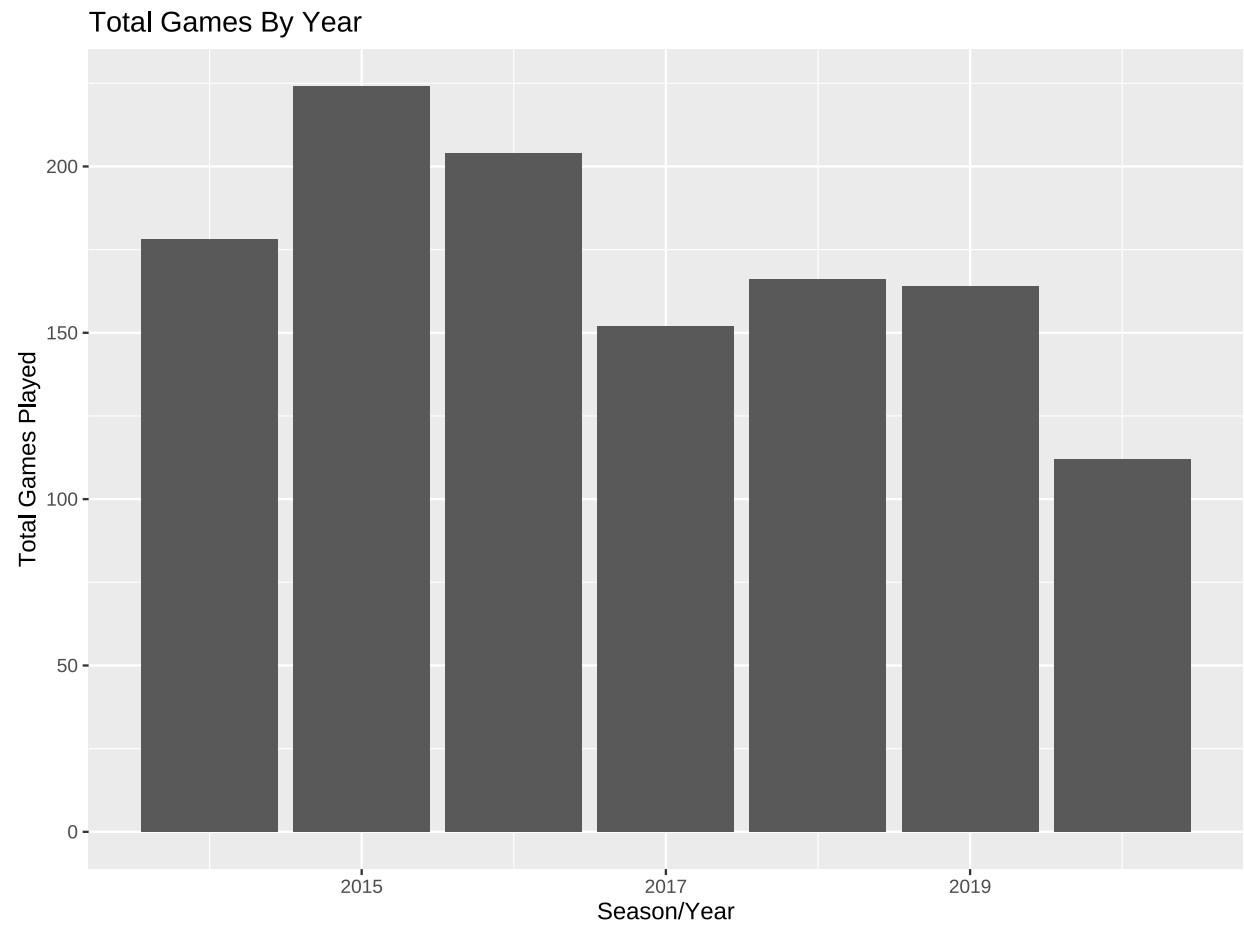
Shots data

Primarily containing XY shot locations.

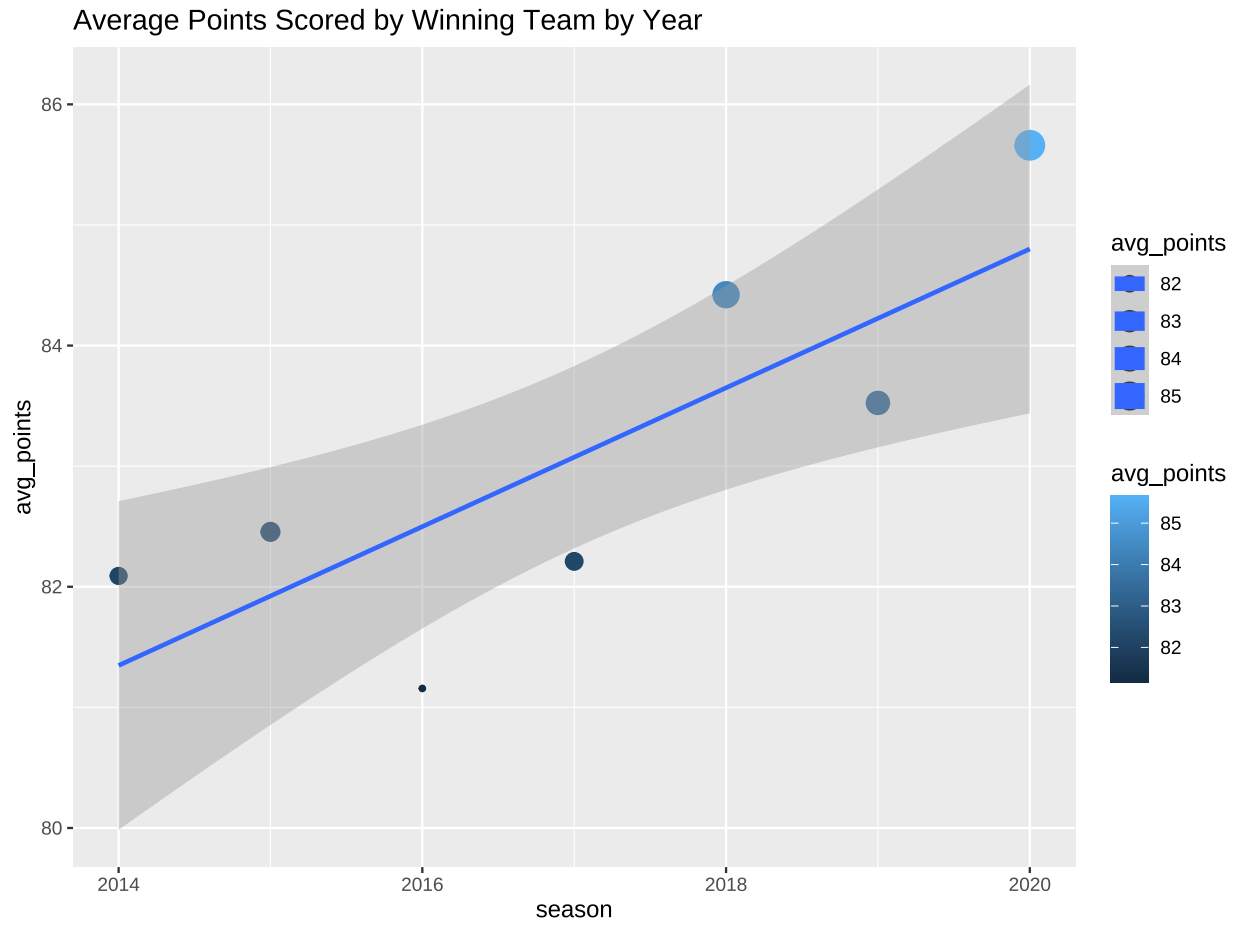
```
## # A tibble: 9 x 10
##   variables      min      Q1    mean median      Q3    max    zero  minus outlier
##   <chr>      <dbl> <dbl> <dbl> <dbl> <dbl> <dbl> <int> <int> <int>
## 1 season      2014    2015 2.02e+3 2.02e3 2.02e3 2.02e3      0      0      0
## 2 page_id    64511 137283 6.66e+5 6.82e5 9.14e5 1.81e6      0      0      0
## 3 action_number 3     135 2.81e+2 2.77e2 4.18e2 8.73e2      0      0      8
## 4 period      1      1 2.46e+0 2 e0 3 e0 4 e0      0      0      0
## 5 shot_result 0      0 4.18e-1 0      1 e0 1 e0 47649      0      0
## 6 points_scored 0      0 9.34e-1 0      2 e0 3 e0 47649      0      0
## 7 x           0     11 4.93e+1 5.57e1 8.62e1 1 e2 190      0      0
## 8 y           0    39.0 5.05e+1 5.1 e1 6.29e1 9.97e1 189      0     796
## 9 shirt_number 0      7 1.47e+1 1.1 e1 2.2 e1 5 e1 433      0     118
```

Begin Analysis of Team Level Box Scores





```
## 'geom_smooth()' using formula 'y ~ x'
```



```
## 'geom_smooth()' using formula 'y ~ x'
```

