

Brøndby AS

Kvinder & Fodbold



PRIMERA DIVISIÓN FEMENINA TABLE				
#	Team	MP	D	P
1	Barcelona	27	+138	81
2	Real Sociedad	27	+20	59
3	Atlético Madrid	27	+37	53
4	Real Madrid	27	+8	53
5	Granadilla Ten...	27	+2	53

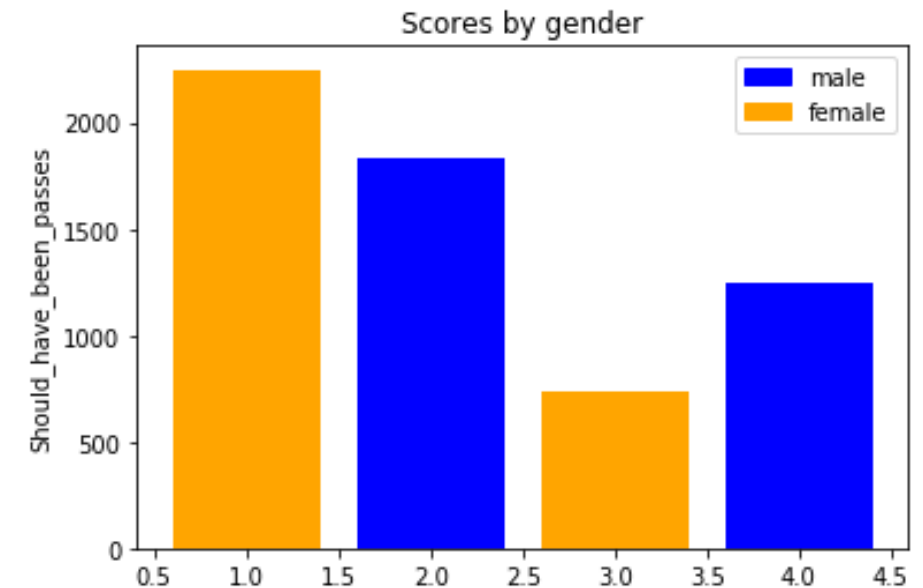
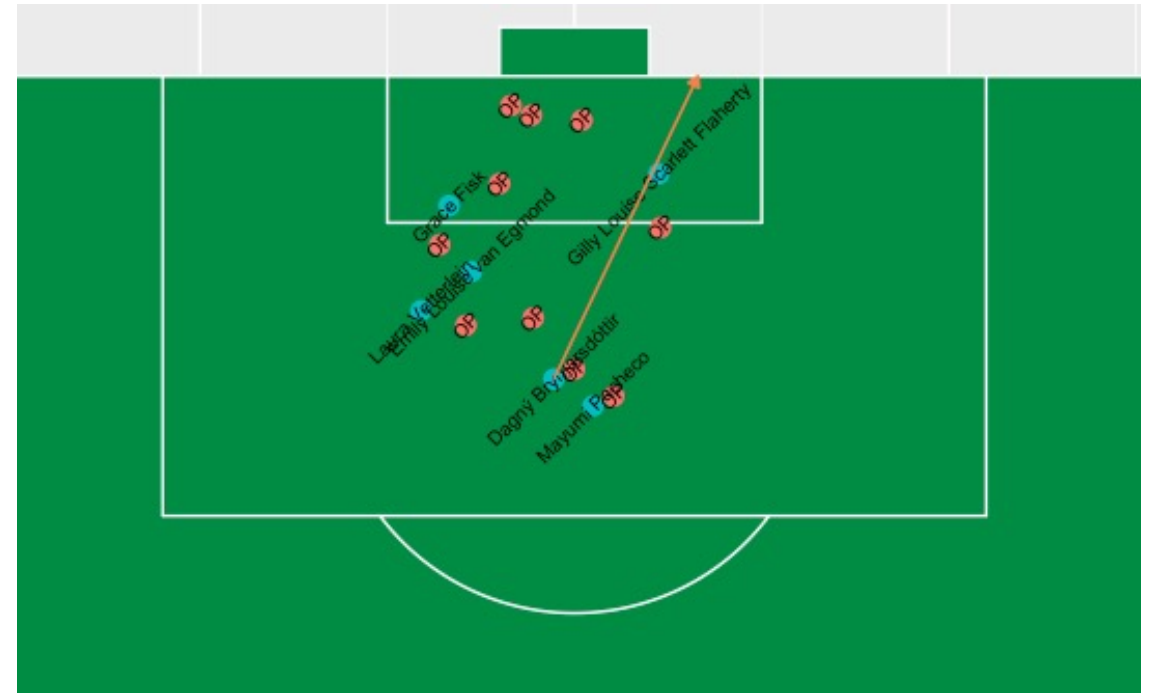
Kvinder & Fodbold



længden af afleveringer
antal frispark
antal skud
antal lange afleveringer
antal boldtab
hastighed på skud

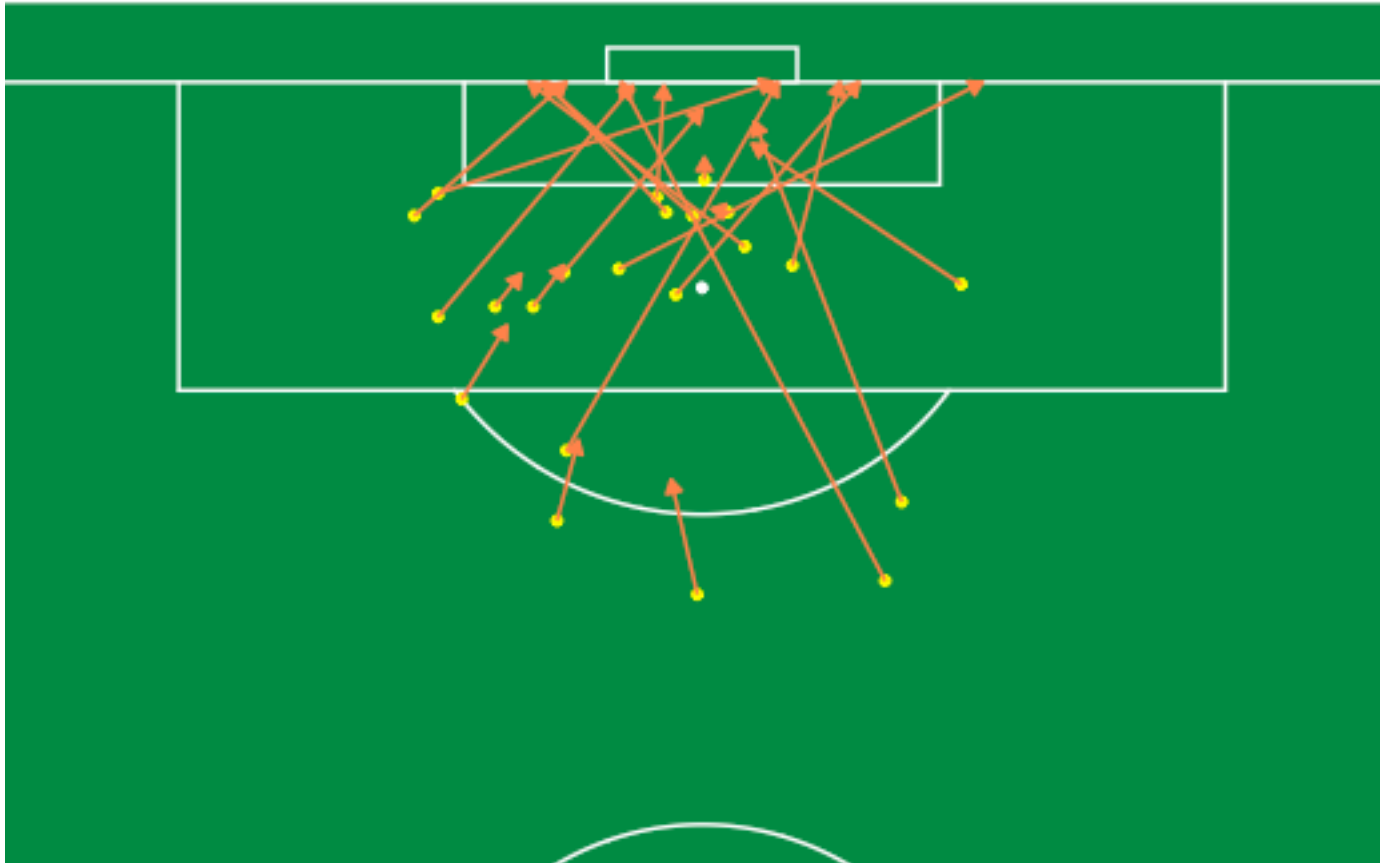
Agenda

- Overview Statsbomb
 - lineups
 - events
 - matches
- Statsbomb i Mongo
 - import herrekampe
- Events – shots
 - import fra statsbomb
 - all shots one match
 - one shot – position
 - ggsoccer
 - all shots – position and arrow
 - one shot - freezeframe



```
shots <- data.frame(x = c(90, 85, 82, 78, 83, 74, 94, 91),
                    y = c(43, 40, 52, 56, 44, 71, 60, 54))
```

Plot all shots in one game



	location	shot.end_location
1	c(113.3, 41.9)	c(119.8, 41.6, 1.6)
2	c(112.2, 40.4)	c(120, 46.7, 1.6)
3	c(110.4, 38.2)	c(120, 47.3, 1.3)
4	c(106.3, 51.1)	c(119.8, 42.9, 1.3)
5	c(112.2, 52.1)	c(120, 45.7, 0.2)
6	c(98.5, 45.7)	c(120, 36.8, 1.2)
7	c(112.4, 41.5)	c(120, 46.6, 1.5)
8	c(90.1, 40.2)	c(96.8, 41.3)
9	c(107.6, 41.1)	c(120, 33.4, 1.9)
10	c(109.3, 36.2)	c(120, 34.2, 1.6)
11	c(90.9, 32.3)	c(120, 43.4, 5.9)
12	c(95.5, 31.6)	c(117.7, 37.8, 1.4)
13	c(114.3, 39.9)	c(115.6, 39.9, 0.3)
14	c(101.5, 50.1)	c(105.8, 48.2, 0)
15	c(94.4, 46.1)	c(99.1, 45.2)
16	c(112.4, 38.9)	c(112.6, 39.6)

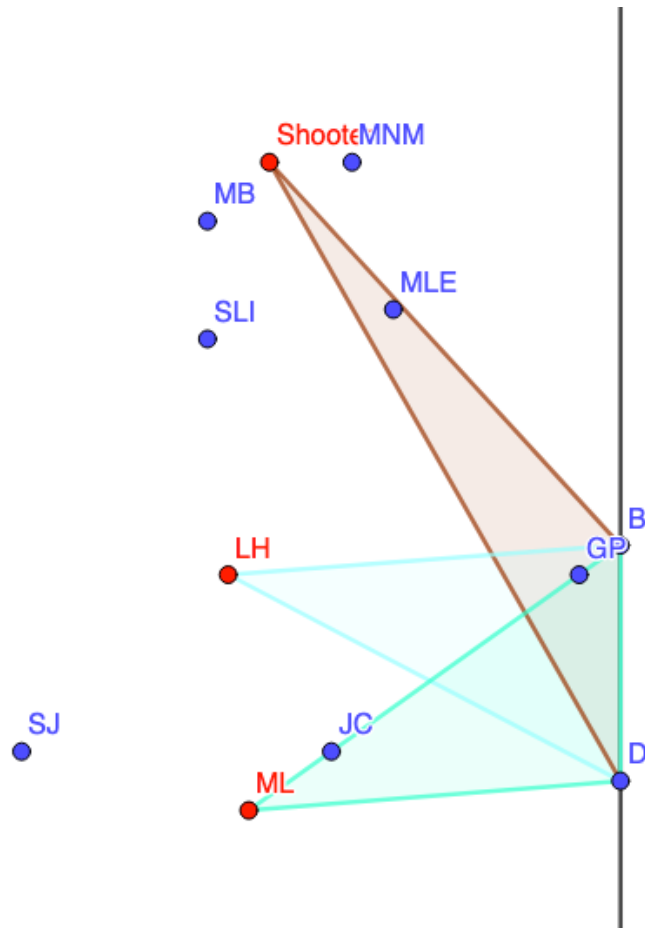
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Find all non-teammates

For each teammate

compute number of nont in triangle



	location	shot.end_location	shot.freeze_frame.location	shot.freez
1	c(112.2, 52.1)	c(120, 45.7, 0.2)	c(98.5, 58.2)	TRUE
2	c(112.2, 52.1)	c(120, 45.7, 0.2)	c(118.4, 42.8)	FALSE
3	c(112.2, 52.1)	c(120, 45.7, 0.2)	c(111.8, 42.9)	TRUE
4	c(112.2, 52.1)	c(120, 45.7, 0.2)	c(109.1, 43.8)	FALSE
5	c(112.2, 52.1)	c(120, 45.7, 0.2)	c(106.9, 61.6)	FALSE
6	c(112.2, 52.1)	c(120, 45.7, 0.2)	c(110.3, 52.5)	FALSE
7	c(112.2, 52.1)	c(120, 45.7, 0.2)	c(112, 49.6)	FALSE
8	c(112.2, 52.1)	c(120, 45.7, 0.2)	c(97.4, 56.1)	FALSE
9	c(112.2, 52.1)	c(120, 45.7, 0.2)	c(106.9, 44.4)	TRUE
10	c(112.2, 52.1)	c(120, 45.7, 0.2)	c(115.3, 51.6)	FALSE

	location	shot.end_location
1	c(112.2, 52.1)	c(120, 45.7, 0.2)

	location	shot.end_location
1	112.2	120.0
2	52.1	120.0
3	112.2	45.7
4	52.1	45.7

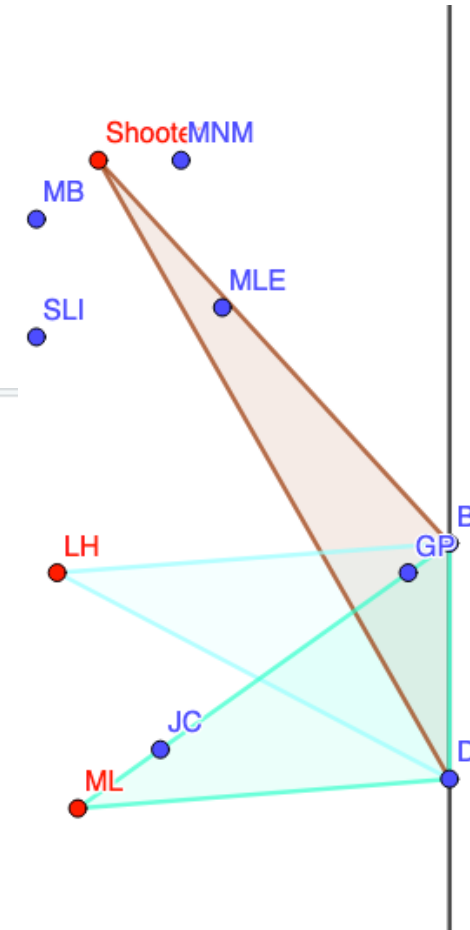
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Find all non-teammates

For each teammate

compute number of nont in triangle

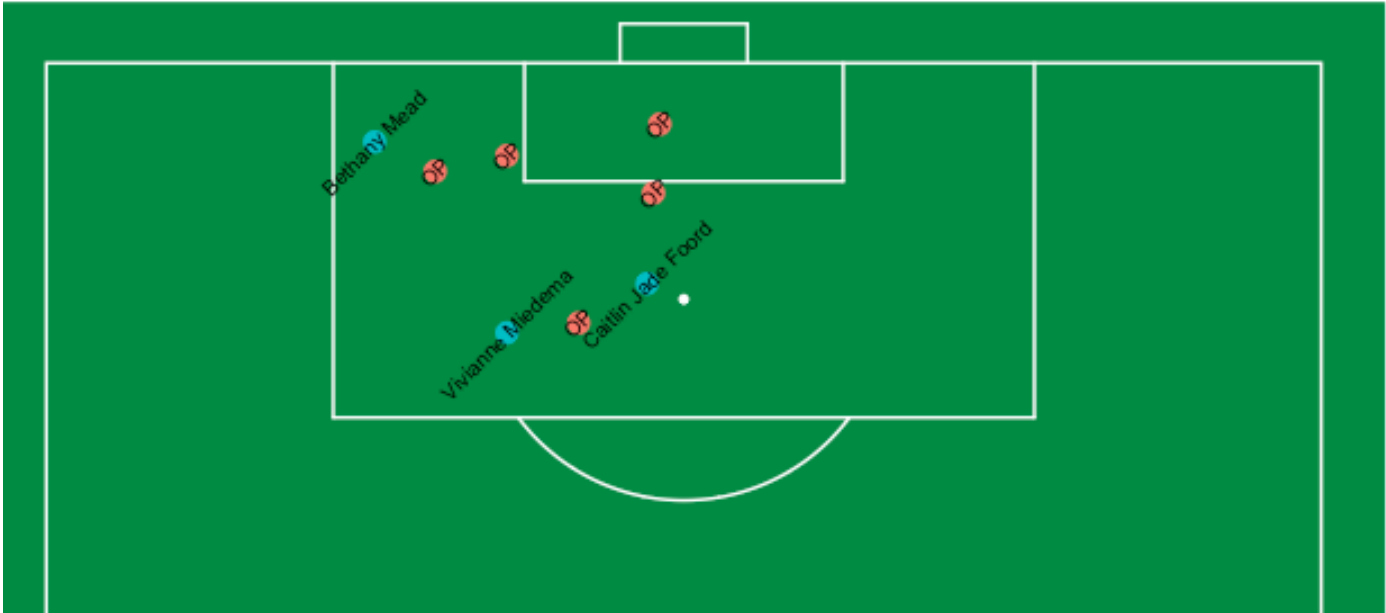
	location	player\$Id	player\$name	position\$Id	position\$name	teammate
1	c(116, 59.4)	15619	Bethany Mead	12	Right Midfield	TRUE
2	c(108.8, 42.3)	11338	Caitlin Jade Foord	19	Center Attacking Midfield	TRUE
3	c(116.9, 41.5)	42787	Mackenzie Arnold	1	Goalkeeper	FALSE
4	c(115.3, 51.1)	31157	Hawa Cissoko	5	Left Center Back	FALSE
5	c(114.5, 55.6)	15724	Mayumi Pacheco	8	Left Wing Back	FALSE
6	c(113.4, 41.9)	34232	Grace Fisk	4	Center Back	FALSE
7	c(106.8, 46.6)	10124	Dagný Brynjarsdóttir	21	Left Wing	FALSE
8	c(110.6, 37)	18151	Gilly Louise Scarlett Flaherty	3	Right Center Back	FALSE



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	team.name	player.name	position.id	shot.end_location	shot.outcome.name	shot.freeze_frame
1	Arsenal WFC	Vivianne Miedema	23	c(119.8, 42.9, 1.3)	Saved	1 variable

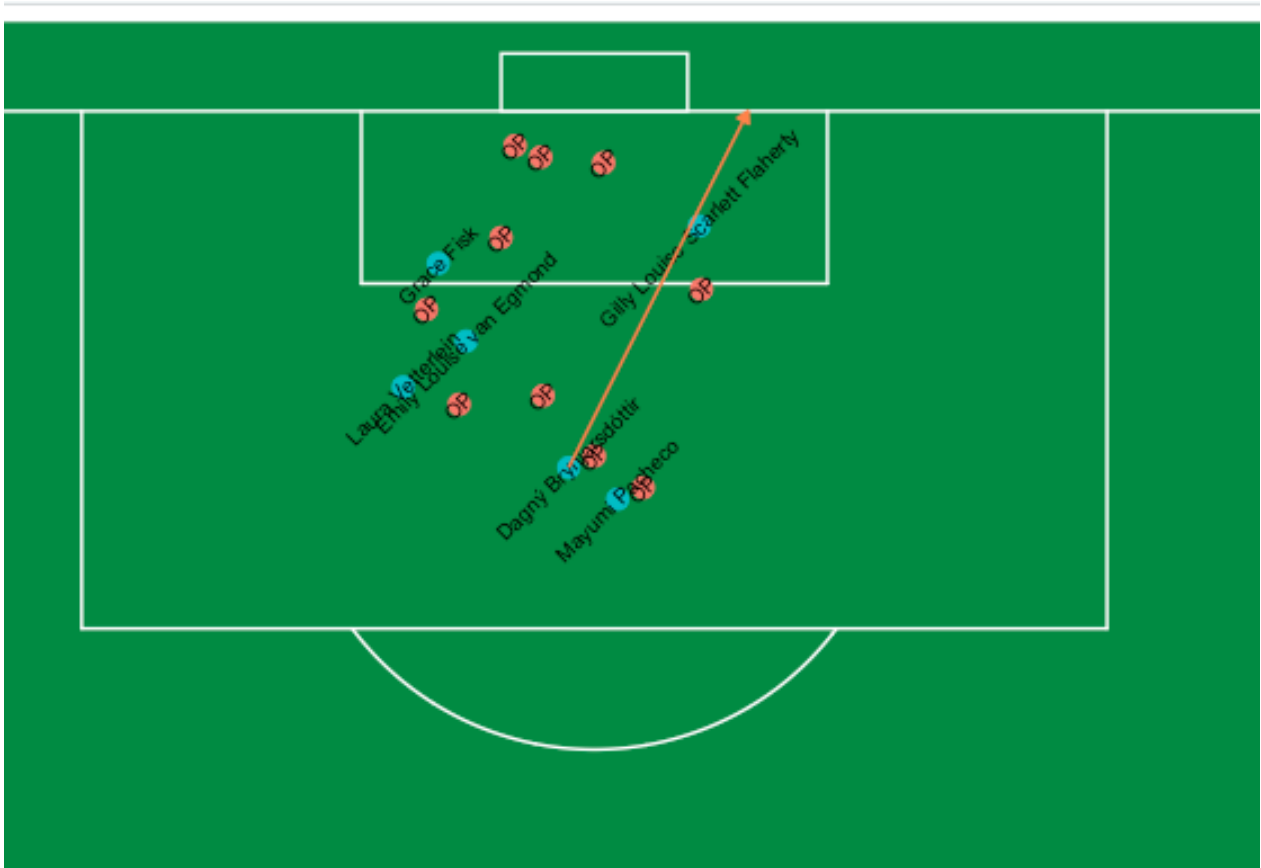
	location	player.id	player.name	position.id	position.name	teammate
1	c(116, 59.4)	15619	Bethany Mead	12	Right Midfield	TRUE
2	c(108.8, 42.3)	11338	Caitlin Jade Foord	19	Center Attacking Midfield	TRUE
3	c(116.9, 41.5)	42787	Mackenzie Arnold	1	Goalkeeper	FALSE
4	c(115.3, 51.1)	31157	Hawa Cissoko	5	Left Center Back	FALSE
5	c(114.5, 55.6)	15724	Mayumi Pacheco	8	Left Wing Back	FALSE
6	c(113.4, 41.9)	34232	Grace Fisk	4	Center Back	FALSE
7	c(106.8, 46.6)	10124	Dagný Brynjarsdóttir	21	Left Wing	FALSE
8	c(110.6, 37)	18151	Gilly Louise Scarlett Flaherty	3	Right Center Back	FALSE



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	team.name	player.name	location	shot.end_location	shot.outcome.name	shot.freeze_frame
1	West Ham United LFC	Dagný Brynjarsdóttir	c(107.6, 41.1)	c(120, 33.4, 1.9)	Off T	1 variable

	x	y	name	team	shooter
1	107.6	41.1	Dagný Brynjarsdóttir	TRUE	5
2	106.9	37.9	OP	FALSE	2
3	118.4	42.3	OP	FALSE	2
4	109.8	45.8	OP	FALSE	2
5	113.1	47.2	OP	FALSE	2
6	115.6	44.0	OP	FALSE	2
7	118.8	43.4	OP	FALSE	2
8	110.1	42.2	OP	FALSE	2
9	113.8	35.4	OP	FALSE	2
10	118.2	39.6	OP	FALSE	2
11	108.0	40.0	OP	FALSE	2
12	112.0	45.5	Emily Louise van Egmond	TRUE	2
13	110.4	48.2	Laura Vetterlein	TRUE	2
14	116.0	35.5	Gilly Louise Scarlett Flaherty	TRUE	2
15	114.7	46.7	Grace Fisk	TRUE	2
16	106.5	39.0	Mayumi Pacheco	TRUE	2

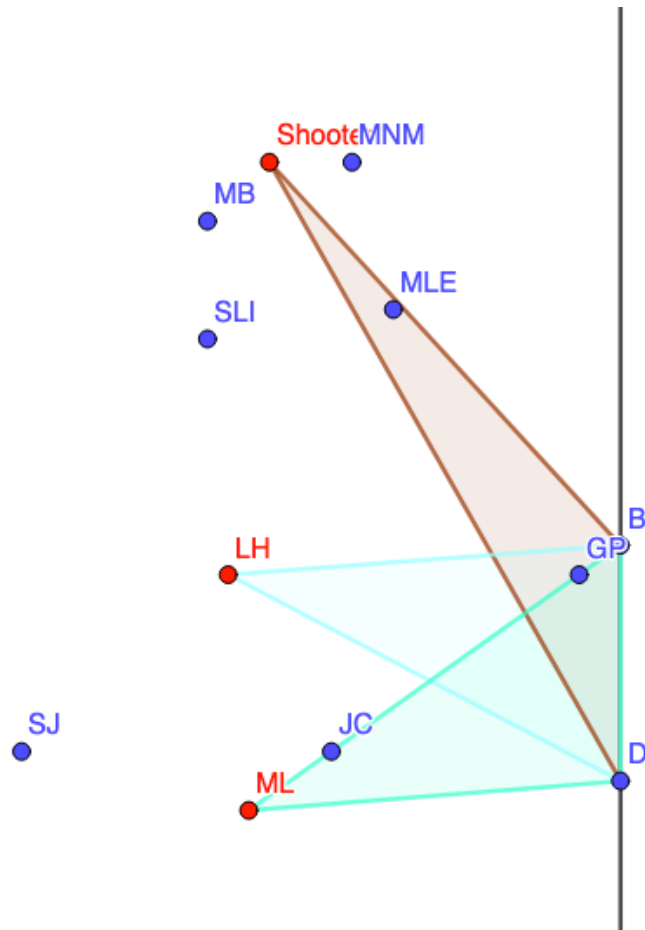


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Find all non-teammates

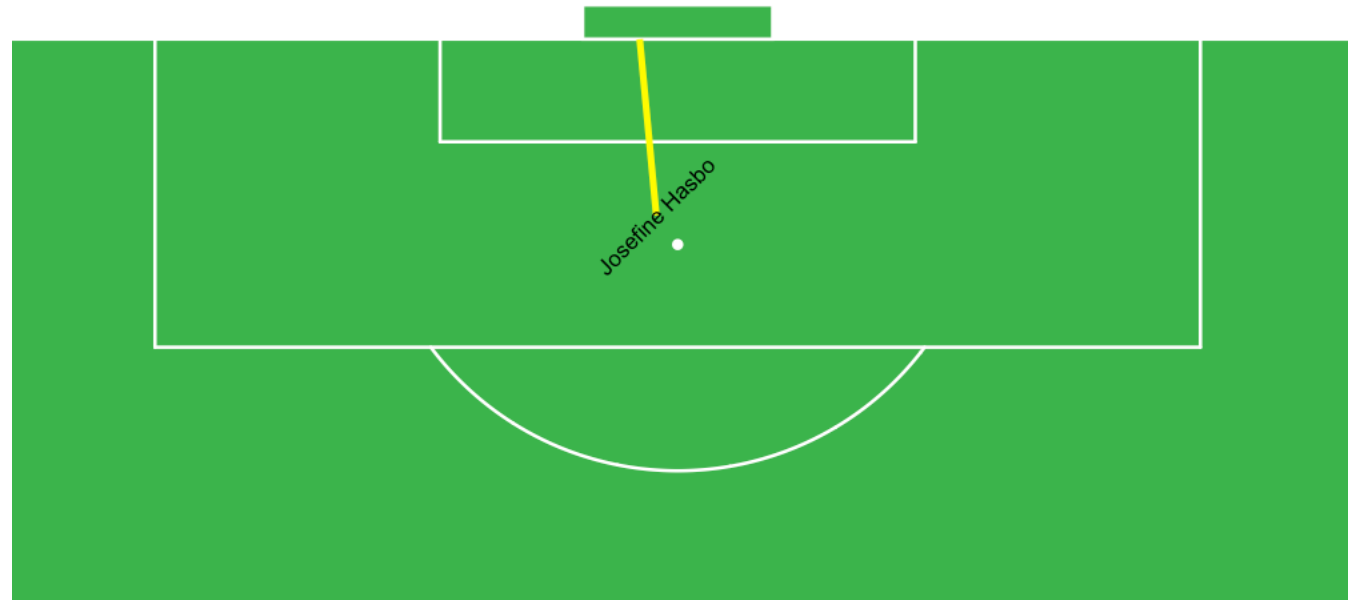
For each teammate

compute number of nont in triangle

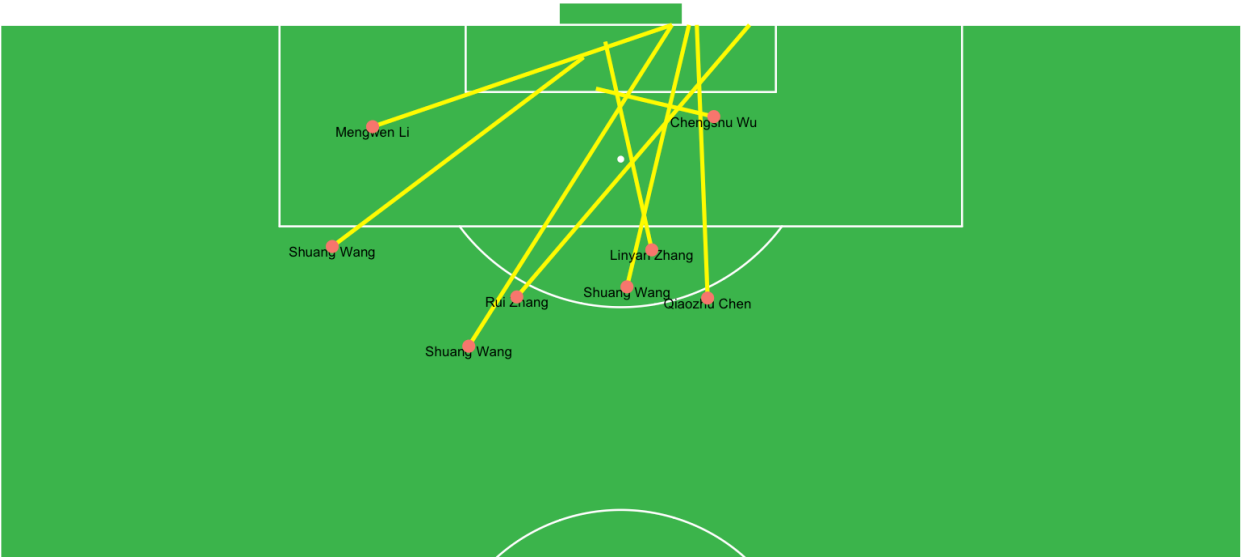
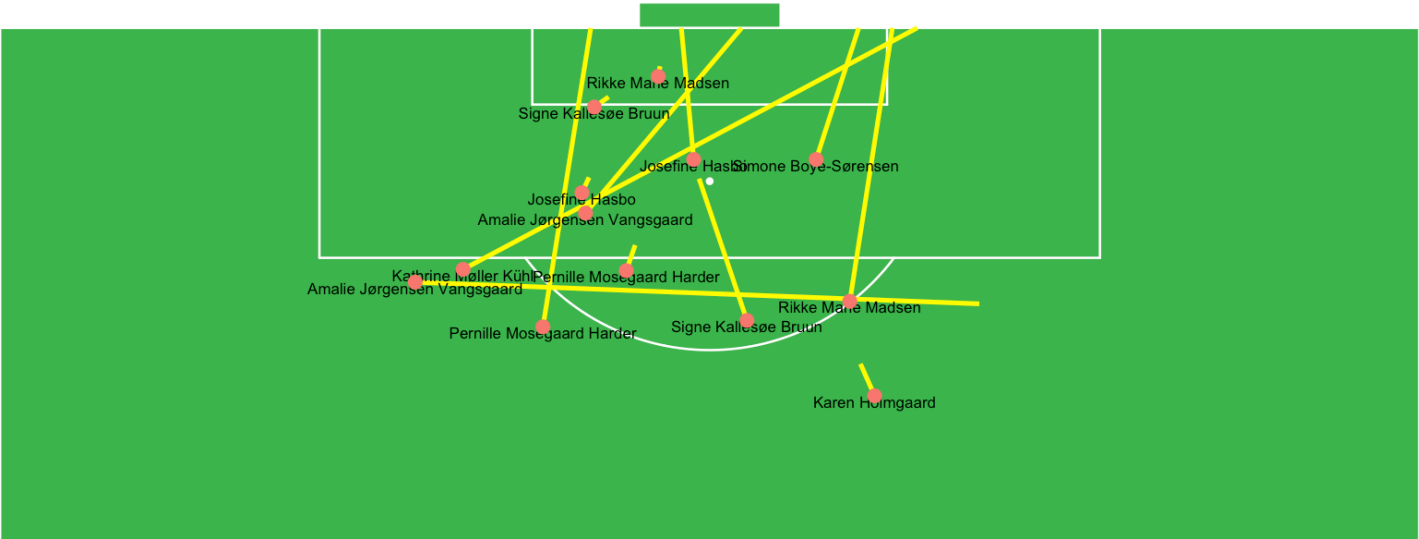


```
freeze_frame: [
  {
    location: [ 102, 35 ],
    player: { id: 15547, name: 'Melissa Lawley' },
    position: { id: 24, name: 'Left Center Forward' },
    teammate: true
  },
  {
    location: [ 101, 43 ],
    player: { id: 15555, name: 'Lauren Hemp' },
    position: { id: 22, name: 'Right Center Forward' },
    teammate: true
  },
  {
    location: [ 118, 43 ],
    player: { id: 4640, name: 'Rut Hedvig Lindahl' },
    position: { id: 1, name: 'Goalkeeper' },
    teammate: false
  },
  {
    location: [ 109, 52 ],
    player: { id: 4633, name: 'Magdalena Lilly Eriksson' },
    position: { id: 5, name: 'Left Center Back' },
    teammate: false
  },
  {
    location: [ 100, 51 ],
    player: { id: 15549, name: 'Sophie Louise Ingle' },
    position: { id: 9, name: 'Right Defensive Midfield' },
    teammate: false
  },
  {
    location: [ 100, 55 ],
    player: { id: 4642, name: 'Millie Bright' },
    position: { id: 3, name: 'Right Center Back' },
    teammate: false
  },
  {
    location: [ 91, 37 ],
    player: { id: 4647, name: 'So-Yun Ji' },
    position: { id: 19, name: 'Center Attacking Midfield' },
    teammate: false
  },
  {
    location: [ 107, 57 ],
    player: { id: 10395, name: 'Maren Nævdal Mjelde' },
    position: { id: 11, name: 'Left Defensive Midfield' },
    teammate: false
  },
  {
    location: [ 106, 37 ],
    player: { id: 19422, name: 'Jessica Carter' },
    position: { id: 2, name: 'Right Back' },
    teammate: false
  }
]
```

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team.name
● China PR Women's

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Lav denne Shiny-app ud fra Statsbombdata (Danmark-Kina). den skal indeholde flg commits:

- 1) ui-template
- 2) spiller-element populere dynamisk
- 3) server-output med ggplot uden trekant
- 4) ui-element checkbox tilføjet
- 5) server-output med ggplot som afhænger af checkbox



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Freeze Frame case



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Lav en Shiny-app om freeze-
framen ud fra
Statsbombdata (Danmark-Kina).
den skal indeholde flg commits:

- 1) ui-template
- 2) spiller-element populeret
dynamisk
- 3) server-output med ggplot
uden trekant
- 4) ui-element checkbox tilføjet
- 5) server-output med ggplot
som afhænger af checkbox

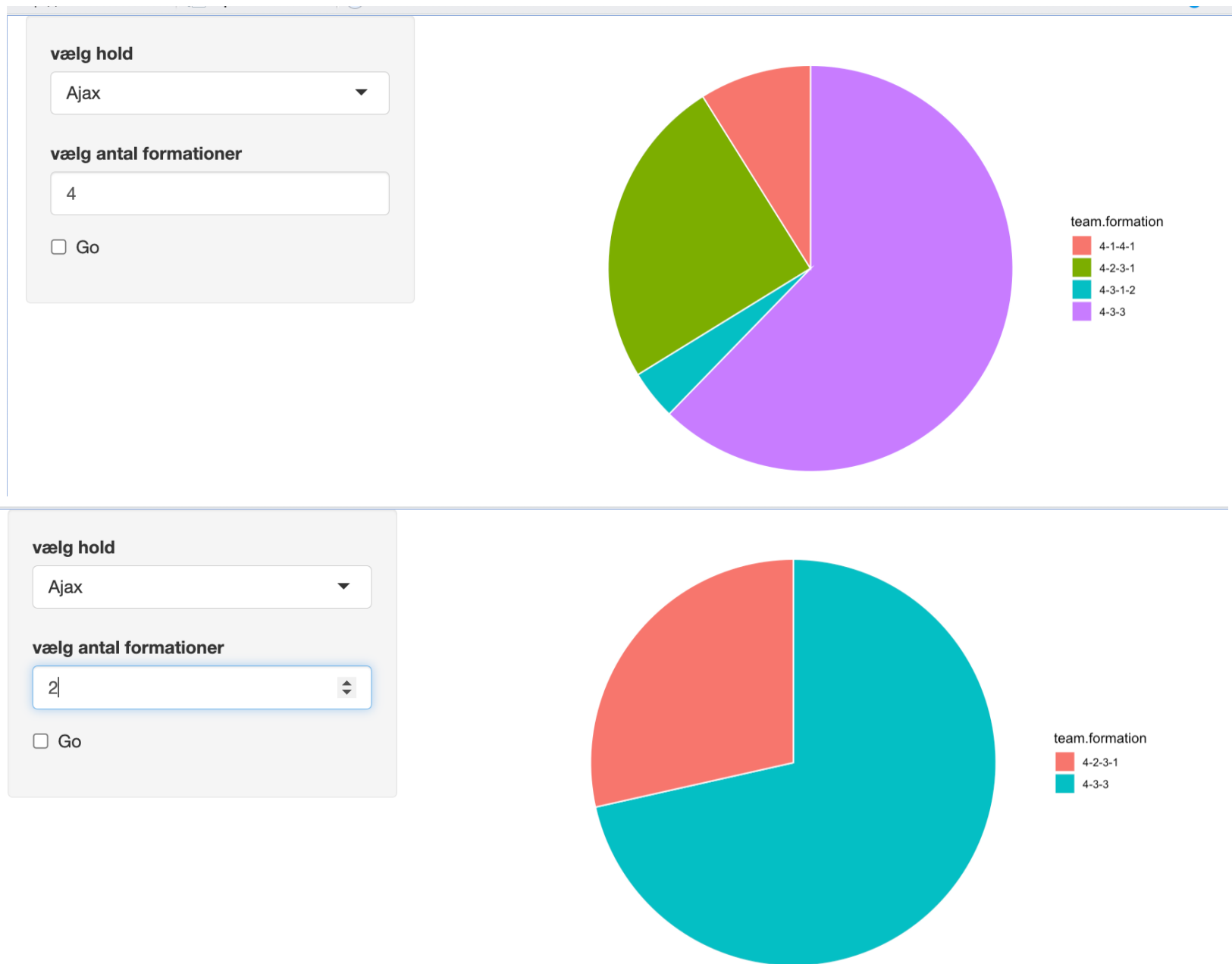


SHINY Øvelse

- Piechart på 20 minutter

Lav denne Shiny-app ud fra WyScout-data (uden Go-knap). den skal indeholde flg commits:

- 1) dataframe med formations-hyppighed opregnet pr team
- 2) ui-template
- 3) ui-elementern populere
- 4) server-output med ggplot



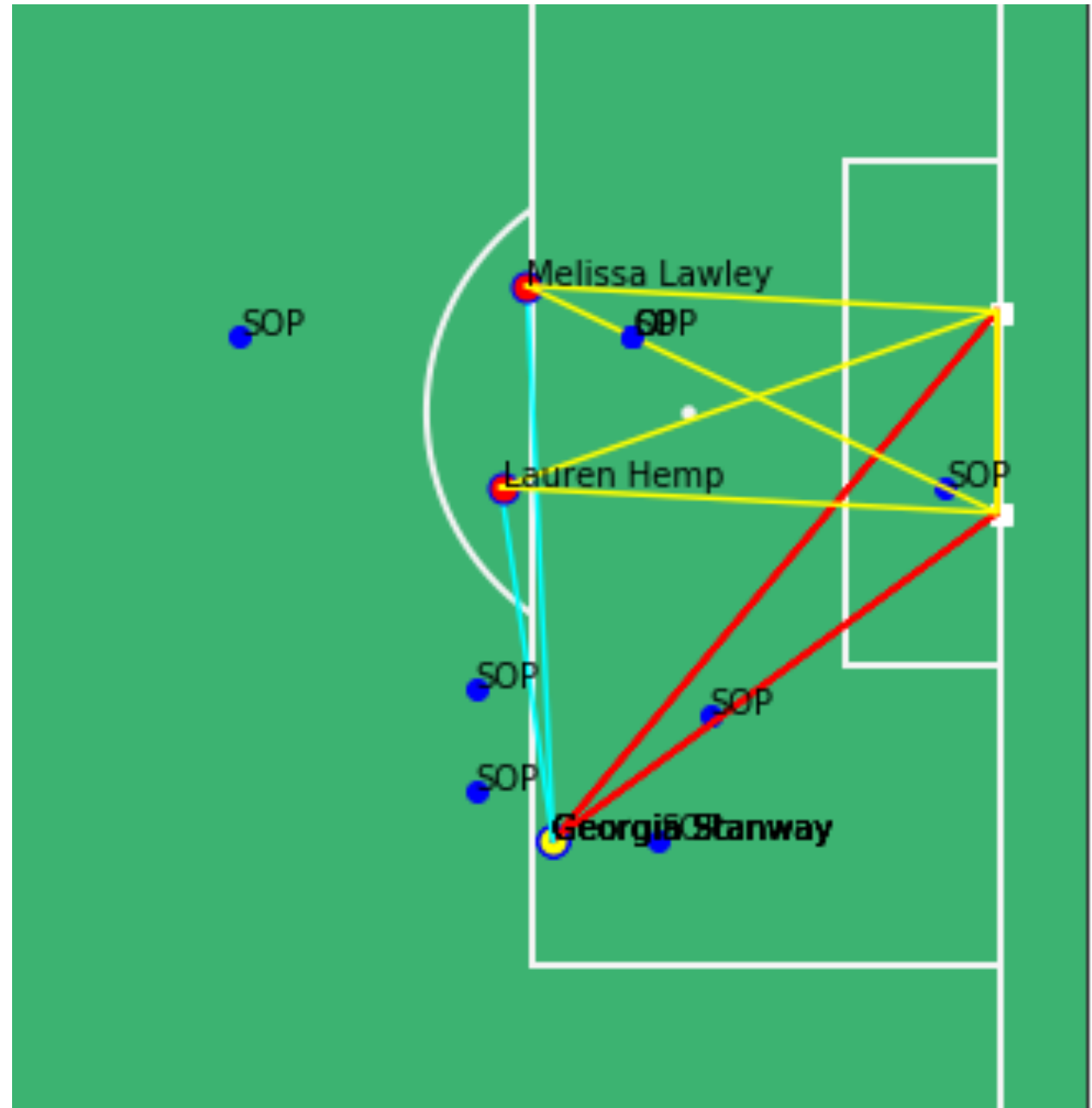
Kvinder & Fodbold Freeze-Frame

- Number of players in tri
- Distance of pass to teamplayer
- Distance to passline from opponent
- Teamplayer xG
 - Distance, angle

This frame:

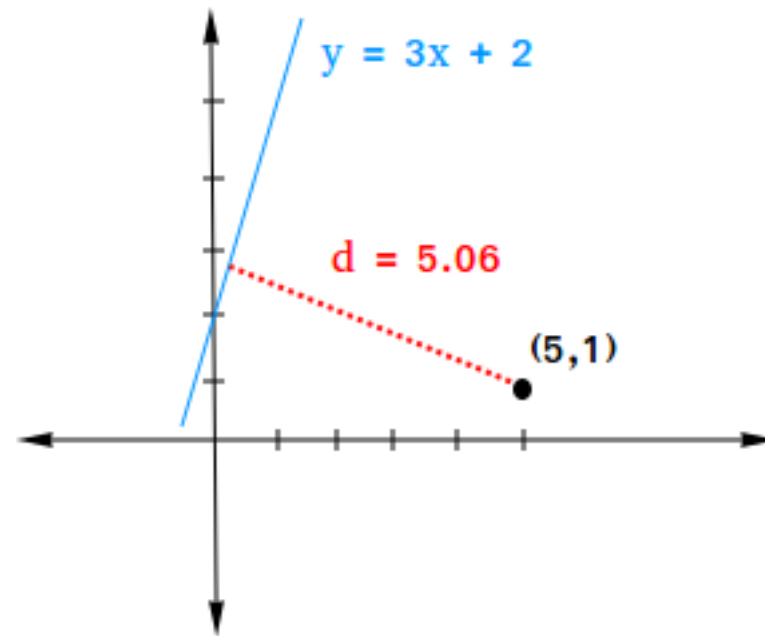
```
If for all team-others
    shooter tri < other tri
    AND
    Other gdist < (shooter + tol)
    AND
    Passdist Shooter-Other-ratio > 0.2
Then
    should have been a pass
```

Conclusion: Should have been a pass



Kvinder & Fodbold Freeze-Frame

- Distance to passline from opponent



If the problem is two-dimensional, the position of the points a , b and c can be defined by pairs of numbers which represent the points' x and the y coordinates. The following function can be used to calculate the distance d of the point a from the line defined by the two points b and c :

```
dist2d <- function(a,b,c) {  
  v1 <- b - c  
  v2 <- a - b  
  m <- cbind(v1,v2)  
  d <- abs(det(m))/sqrt(sum(v1*v1))  
}
```

Kvinder & Fodbold Freeze-Frame

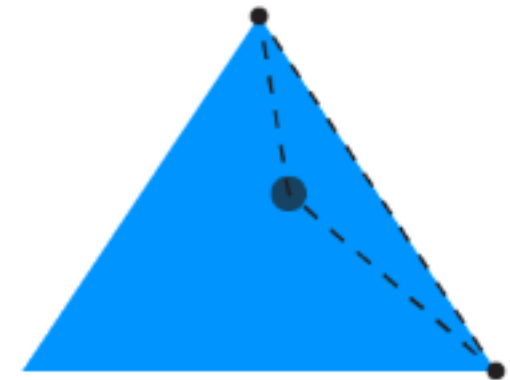
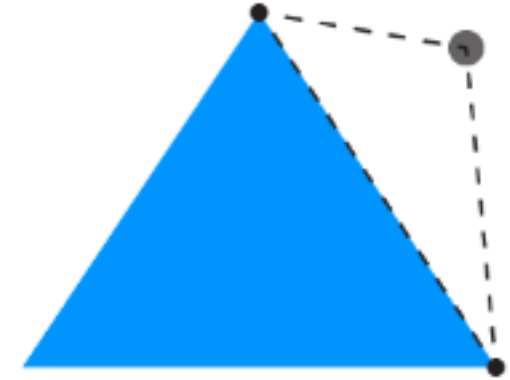
- Number of players in tri

To get the area, we use **Heron's Formula**:

```
float areaOrig = abs( (x2-x1)*(y3-y1) - (x3-x1)*(y2-y1) );
```

We need to calculate the area of the three triangles made from the point as well:

```
float area1 = abs( (x1-px)*(y2-py) - (x2-px)*(y1-py) );  
float area2 = abs( (x2-px)*(y3-py) - (x3-px)*(y2-py) );  
float area3 = abs( (x3-px)*(y1-py) - (x1-px)*(y3-py) );
```

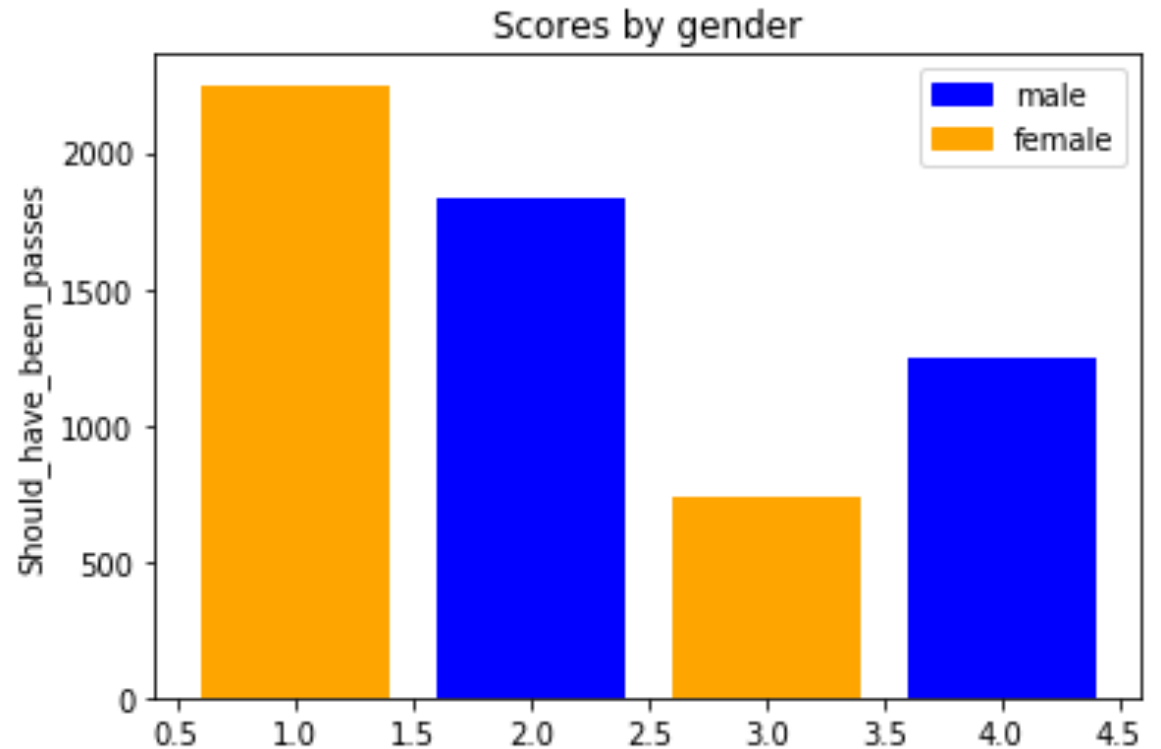


Kvinder & Fodbold



Bias ..


```
find({"type.name":"Shot", "gender":"female",  
"position.id" : {"$in":"striker_player}})
```


```
find({"type.name":"Shot", "gender":"male",  
"position.id" : {"$in":"def_player}})
```





Statsbomb


 Search or jump to... 


 [statsbomb](#) / [open-data](#) Public

 events

 lineups

 matches

 three-sixty

 competitions.json

STATSBOMB
INSIDE EVERY PASS, EVERY SHOT, EVERY MOVE

Course: mathematical modelling of football ▶ AFSPIL AI

This series of videos (combination of live videos and prerecorded) take in data in to Python, through plotting data, expected goals, evaluating



UPPSALA 48.54

Lecture 1: Mathematical Modelling of Football

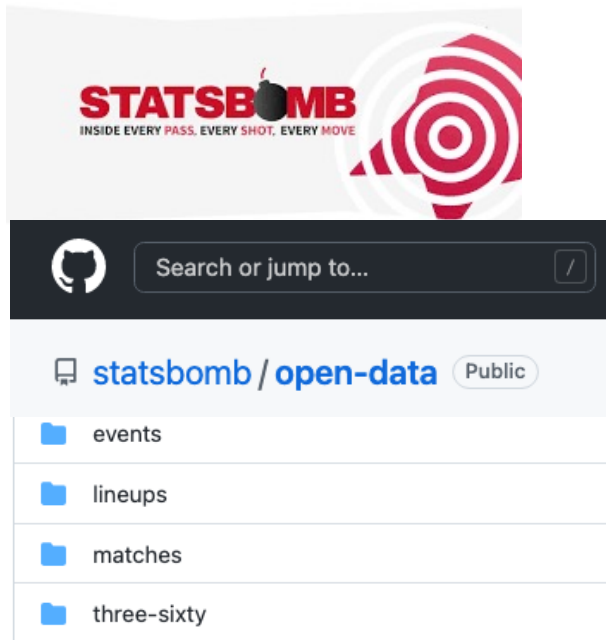
Friends of Tracking
15.677 visninger •
Blev streamet for 1 år siden



Setting Up to do Data Science

Friends of Tracking
9.893 visninger • for 1 år siden

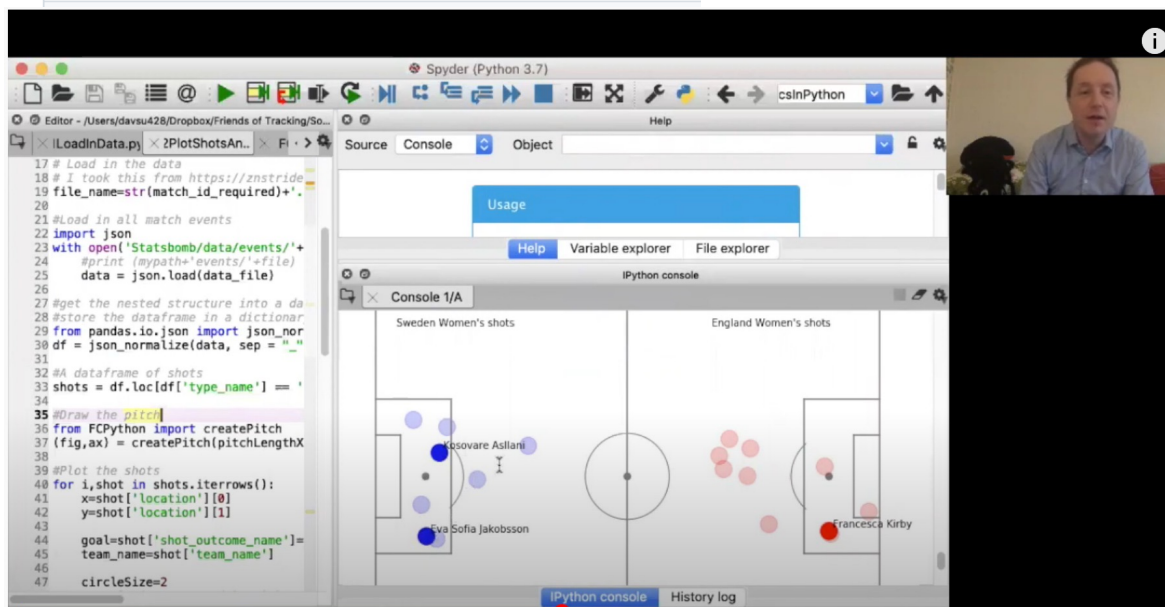
 [Friends-of-Tracking-Data-FoTD](#) / [SoccermaticsForPython](#) Public



Sample event from
69301.json with
3291 events

David laver

- 1) Shots map
- 2) Passes map



```

495 },
496   id : ecec23b8-f03d-4bee-80df-9fabec558187,
497   index : 9,
498   period : 1,
499   timestamp : 00:00:05.143,
500   minute : 0,
501   second : 5,
502   type : {
503     id : 30,
504     name : Pass
505   },
506   possession : 2,
507   possession_team : {
508     id : 865,
509     name : England Women's
510   },
511   play_pattern : {
512     id : 9,
513     name : From Kick Off
514   },
515   team : {
516     id : 865,
517     name : England Women's
518   },
519   player : {
520     id : 4641,
521     name : Francesca Kirby
522   },
523   position : {
524     id : 15,
525     name : Left Center Midfield
526   },
527   location : [ 82.6, 37.6 ],
528   duration : 1.173625,
529   related_events : [ ebb46045-f1ab-4c25-88b8-fc7ea165b52d ],
530   pass : {
531     recipient : {
532       id : 10178,
533       name : Lucy Bronze
534     },
535     length : 21.317833,
536     angle : 1.7691119,
537     height : {
538       id : 1,
539       name : Ground Pass
540     },
541     end_location : [ 78.4, 58.5 ],
542     body_part : {
543       id : 40,
544       name : Right Foot
545     }
546   }
  
```



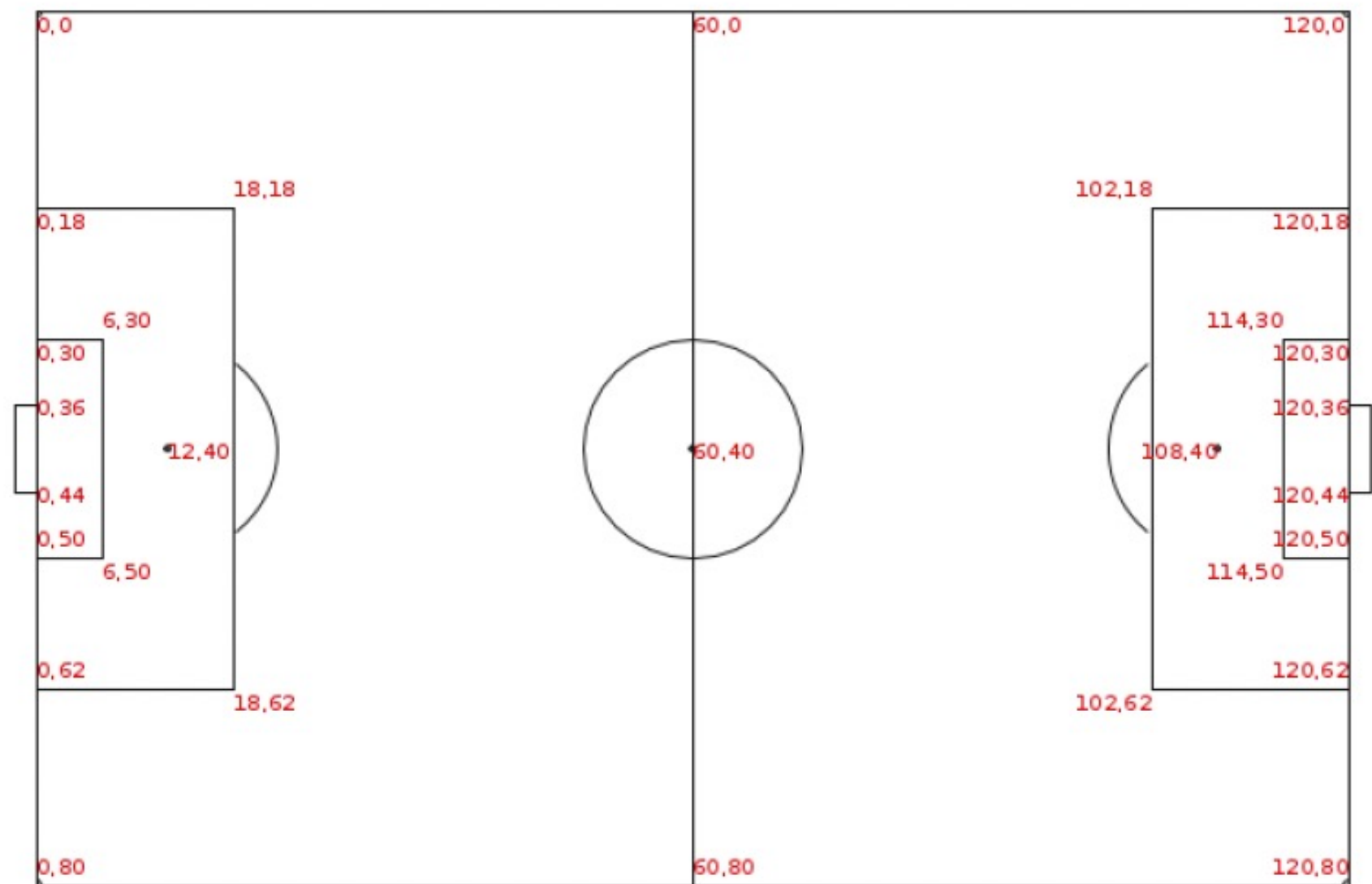
Search or jump to...



statsbomb / open-data

Public

- events
- lineups
- matches
- three-sixty
- competitions.json

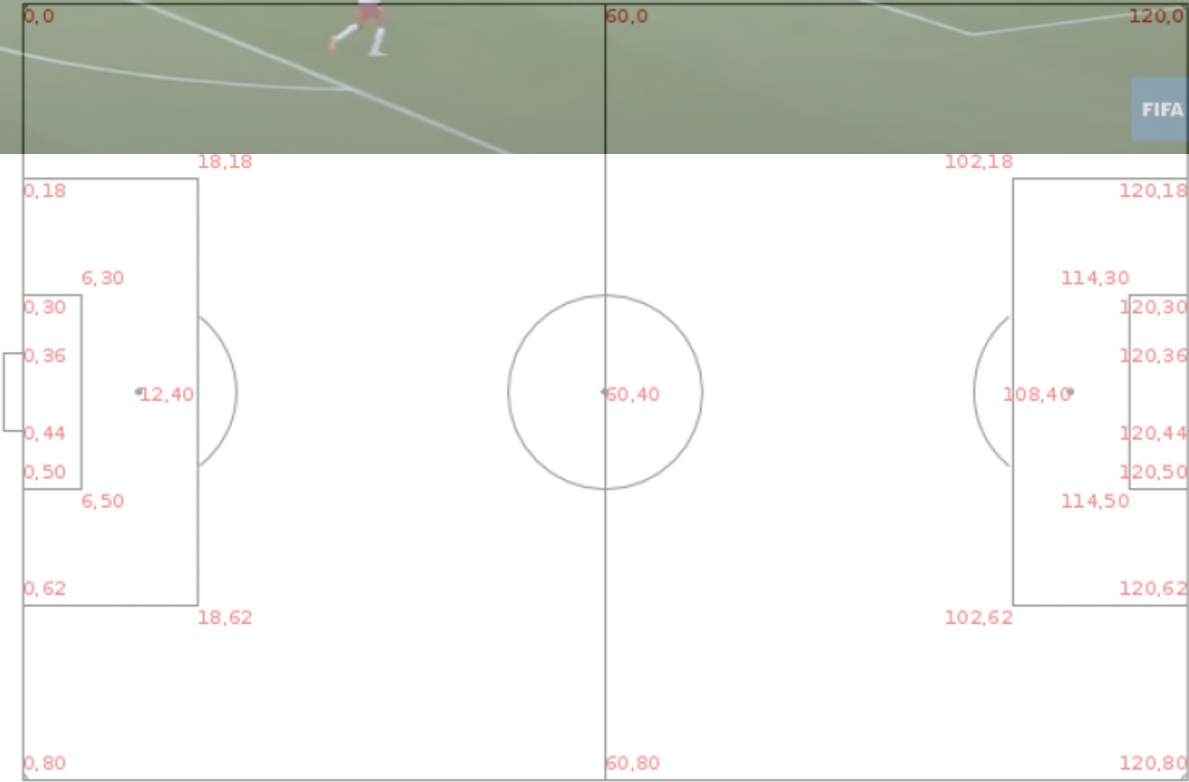
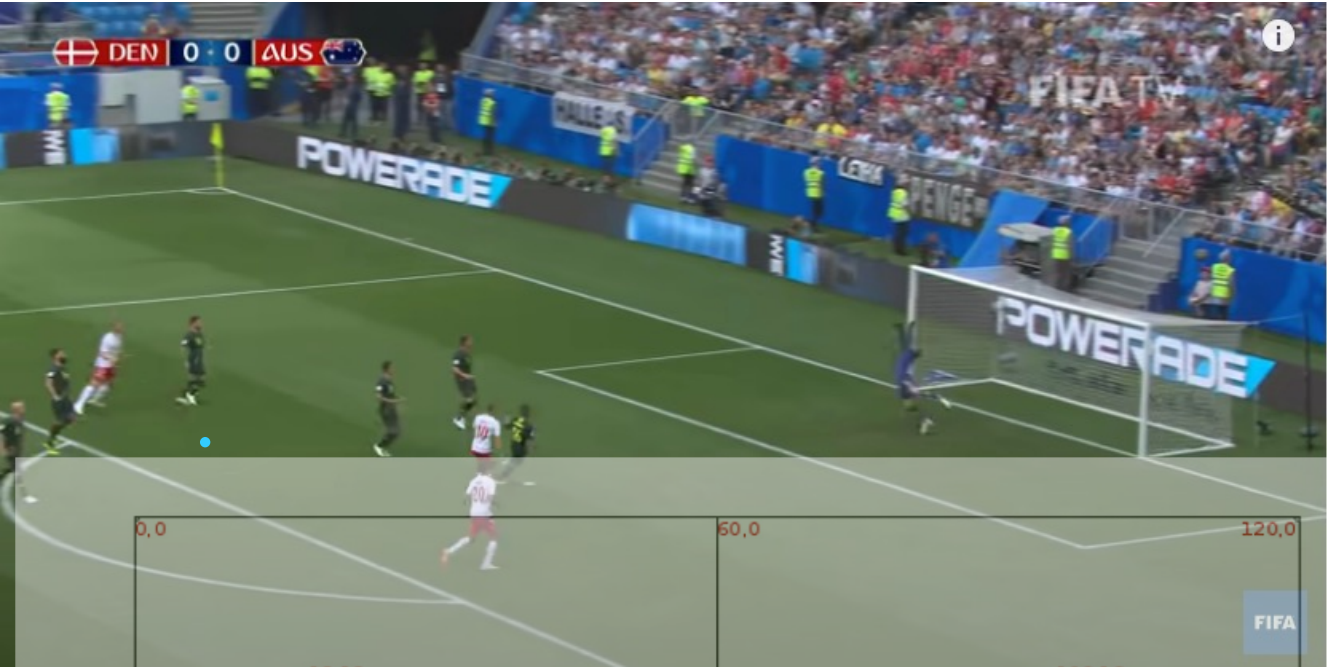




7547.json

- events
- lineups
- matches
- three-sixty
- competitions.json

7547.json



- events
- lineups
- matches
- three-sixty
- competitions

```
id : b54f83ed-8ddb-4864-9b0b-ccc1f4f95da0,
index : 214,
period : 1,
timestamp : 00:06:07.640,
minute : 6,
second : 7,
type : {
  id : 16,
  name : Shot
},
possession : 12,
possession_team : {
  id : 776,
  name : Denmark
},
play_pattern : {
  id : 4,
  name : From Throw In
},
team : {
  id : 776,
  name : Denmark
},
player : {
  id : 3043,
  name : Christian Dannemann Eriksen
},
position : {
  id : 19,
  name : Center Attacking Midfield
},
location : [ 104.0, 39.0 ],
duration : 0.6,
related_events : [ ef2b6ad0-caf8-47c8-b086-d252fc7834aa ],
shot : {
  statsbomb_xg : 0.20277502,
  end_location : [ 120.0, 37.8, 2.5 ],
  key_pass_id : 9eac306c-fadb-4bf3-bcc2-592e03882bd5,
  first_time : true,
  technique : {
    id : 93,
    name : Normal
  },
  type : {
    id : 87,
    name : Open Play
  },
  outcome : {
    id : 97,
    name : Goal
  },
  body_part : {
    id : 38,
    name : Left Foot
  },
}
```



```
{
  id : ef2b6ad0-caf8-47c8-b086-d252fc7834aa,
  index : 215,
  period : 1,
  timestamp : 00:06:08.240,
  minute : 6,
  second : 8,
  type : {
    id : 23,
    name : Goal Keeper
  },
  possession : 12,
  possession_team : {
    id : 776,
    name : Denmark
  },
  play_pattern : {
    id : 4,
    name : From Throw In
  },
  team : {
    id : 792,
    name : Australia
  },
  player : {
    id : 3240,
    name : Mathew Ryan
  },
  position : {
    id : 1,
    name : Goalkeeper
  },
  location : [ 3.0, 43.0 ],
  related_events : [ b54f83ed-8ddb-4864-9b0b-ccc1f4f95da0 ],
  goalkeeper : {
    technique : {
      id : 45,
      name : Diving
    },
    type : {
      id : 26,
      name : Goal Conceded
    },
    outcome : {
      id : 55,
      name : No Touch
    },
    position : {
      id : 44,
      name : Set
    }
  }
}
```

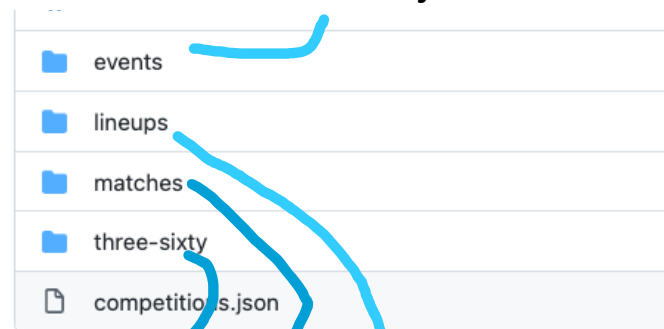




Three-sixty folderen rummer trackingdata for 51 kampe.
Desværre ikke for DK's kampe.
3788753 er Rusland vs Finland

```
{ {  
  "match_id" : 3788753,  
  match_date : 2021-06-16,  
  kick_off : 15:00:00.000,  
  competition : {  
    competition_id : 55,  
    country_name : Europe,  
    competition_name : UEFA Euro  
  },  
}
```

3788753.json har ca 3800 events



3788753.json opstillingen for de to hold

55/43.json has a record for matchid 3788753 (and 49 other games)

3788753.json has the tracking of that match



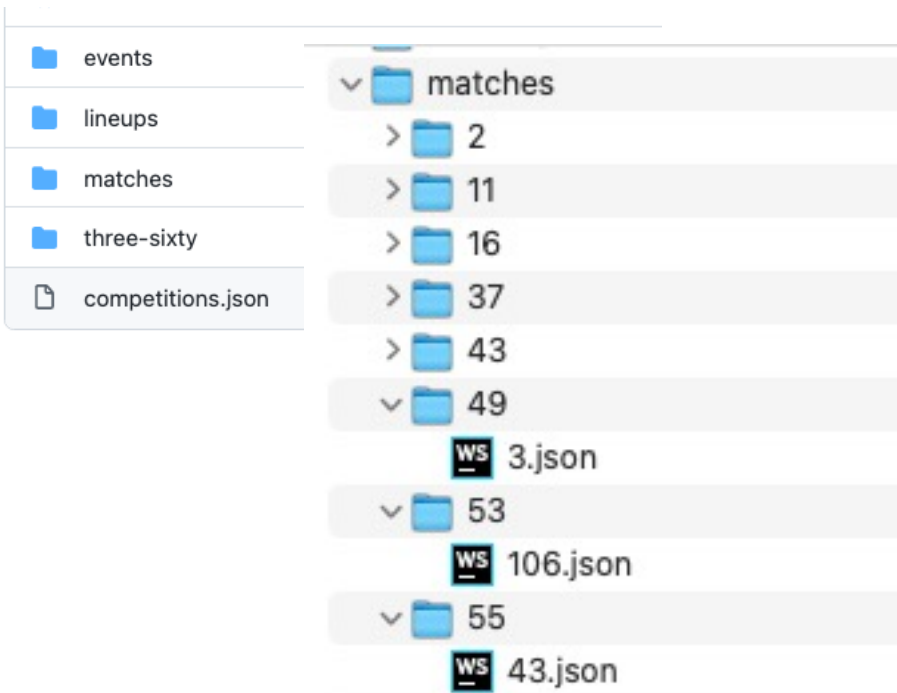
- events
- lineups
- matches
- three-sixty
- competitions.json

Lineups

```
[> jql '.[1].lineup[9]' 3788753.json
{
  "player_id": 15416,
  "player_name": "Jukka Raitala",
  "player_nickname": null,
  "jersey_number": 22,
  "country": {
    "id": 77,
    "name": "Finland"
  },
  "cards": [],
  "positions": [
    {
      "position_id": 7,
      "position": "Right Wing Back",
      "from": "00:00",
      "to": "74:26",
      "from_period": 1,
      "to_period": 2,
      "start_reason": "Starting XI",
      "end_reason": "Substitution - Off (Tactical)"
    }
  ]
}
```




Filen 43.json
med 51 kampe



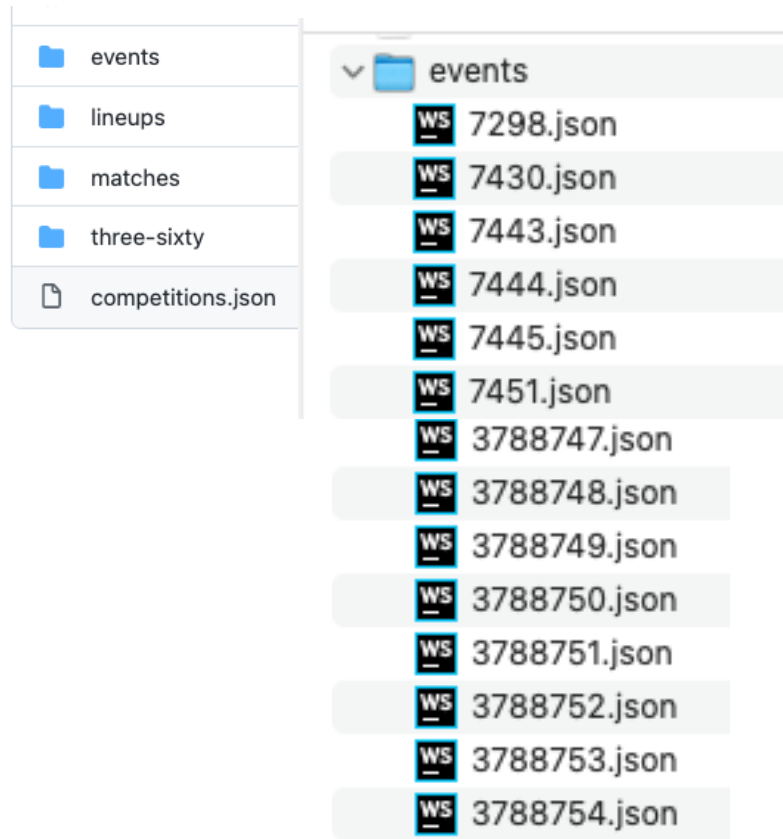
```

2295 }
2296 }, {
2297   match_id : 3788753,
2298   match_date : 2021-06-16,
2299   kick_off : 15:00:00.000,
2300   competition : {
2301     competition_id : 55,
2302     country_name : Europe,
2303     competition_name : UEFA Euro
2304   },
2305   season : {
2306     season_id : 43,
2307     season_name : 2020
2308   },
2309   home_team : {
2310     home_team_id : 1835,
2311     home_team_name : Finland,
2312     home_team_gender : male,
2313     home_team_group : Group B,
2314     country : {
2315       id : 77,
2316       name : Finland
2317     },
2318     managers : [ {
2319       id : 3622,
2320       name : Markku Kanerva,
2321       nickname : null,
2322       dob : 1964-05-24,
2323       country : {
2324         id : 77,
2325         name : Finland
2326       }
2327     } ]
2328   },
2329   away_team : {
2330     away_team_id : 796,
2331     away_team_name : Russia,
2332     away_team_gender : male,
2333     "away_team_group" : "Group B",
2334     country : {
2335       id : 160,
2336       name : Netherlands
2337     }
2338   },
2339   match_week : 4,
2340   competition_stage : {
2341     id : 10,
2342     name : Group Stage
2343   },
2344   stadium : {
2345     id : 4726,
2346     name : Saint-Petersburg Stadium,
2347     country : {
2348       id : 188,
2349       name : Russia
2350     }
2351   },
2352   referee : {
2353     id : 293,
2354     name : Danny Desmond Makkellie,
2355     country : {
2356       id : 160,
2357       name : Netherlands
2358     }
2359   }
2360 }, {
2361   match_id : 3788754,
2362   match_date : 2021-06-16,
2363   kick_off : 15:00:00.000,
2364   competition : {
2365     competition_id : 55,
2366     country_name : Europe,
2367     competition_name : UEFA Euro
2368   },
2369   season : {
2370     season_id : 43,
2371     season_name : 2020
2372   },
2373   home_team : {
2374     home_team_id : 1835,
2375     home_team_name : Finland,
2376     home_team_gender : male,
2377     home_team_group : Group B,
2378     country : {
2379       id : 77,
2380       name : Finland
2381     },
2382     managers : [ {
2383       id : 3622,
2384       name : Markku Kanerva,
2385       nickname : null,
2386       dob : 1964-05-24,
2387       country : {
2388         id : 77,
2389         name : Finland
2390       }
2391     } ]
2392   },
2393   away_team : {
2394     away_team_id : 796,
2395     away_team_name : Russia,
2396     away_team_gender : male,
2397     "away_team_group" : "Group B",
2398     country : {
2399       id : 160,
2400       name : Netherlands
2401     }
2402   },
2403   match_week : 4,
2404   competition_stage : {
2405     id : 10,
2406     name : Group Stage
2407   },
2408   stadium : {
2409     id : 4726,
2410     name : Saint-Petersburg Stadium,
2411     country : {
2412       id : 188,
2413       name : Russia
2414     }
2415   },
2416   referee : {
2417     id : 293,
2418     name : Danny Desmond Makkellie,
2419     country : {
2420       id : 160,
2421       name : Netherlands
2422     }
2423   }
2424 }, {
2425   match_id : 3788755,
2426   match_date : 2021-06-16,
2427   kick_off : 15:00:00.000,
2428   competition : {
2429     competition_id : 55,
2430     country_name : Europe,
2431     competition_name : UEFA Euro
2432   },
2433   season : {
2434     season_id : 43,
2435     season_name : 2020
2436   },
2437   home_team : {
2438     home_team_id : 1835,
2439     home_team_name : Finland,
2440     home_team_gender : male,
2441     home_team_group : Group B,
2442     country : {
2443       id : 77,
2444       name : Finland
2445     },
2446     managers : [ {
2447       id : 3622,
2448       name : Markku Kanerva,
2449       nickname : null,
2450       dob : 1964-05-24,
2451       country : {
2452         id : 77,
2453         name : Finland
2454       }
2455     } ]
2456   },
2457   away_team : {
2458     away_team_id : 796,
2459     away_team_name : Russia,
2460     away_team_gender : male,
2461     "away_team_group" : "Group B",
2462     country : {
2463       id : 160,
2464       name : Netherlands
2465     }
2466   },
2467   match_week : 4,
2468   competition_stage : {
2469     id : 10,
2470     name : Group Stage
2471   },
2472   stadium : {
2473     id : 4726,
2474     name : Saint-Petersburg Stadium,
2475     country : {
2476       id : 188,
2477       name : Russia
2478     }
2479   },
2480   referee : {
2481     id : 293,
2482     name : Danny Desmond Makkellie,
2483     country : {
2484       id : 160,
2485       name : Netherlands
2486     }
2487   }
2488 }, {
2489   match_id : 3788756,
2490   match_date : 2021-06-16,
2491   kick_off : 15:00:00.000,
2492   competition : {
2493     competition_id : 55,
2494     country_name : Europe,
2495     competition_name : UEFA Euro
2496   },
2497   season : {
2498     season_id : 43,
2499     season_name : 2020
2500   },
2501   home_team : {
2502     home_team_id : 1835,
2503     home_team_name : Finland,
2504     home_team_gender : male,
2505     home_team_group : Group B,
2506     country : {
2507       id : 77,
2508       name : Finland
2509     },
2510     managers : [ {
2511       id : 3622,
2512       name : Markku Kanerva,
2513       nickname : null,
2514       dob : 1964-05-24,
2515       country : {
2516         id : 77,
2517         name : Finland
2518       }
2519     } ]
2520   },
2521   away_team : {
2522     away_team_id : 796,
2523     away_team_name : Russia,
2524     away_team_gender : male,
2525     "away_team_group" : "Group B",
2526     country : {
2527       id : 160,
2528       name : Netherlands
2529     }
2530   },
2531   match_week : 4,
2532   competition_stage : {
2533     id : 10,
2534     name : Group Stage
2535   },
2536   stadium : {
2537     id : 4726,
2538     name : Saint-Petersburg Stadium,
2539     country : {
2540       id : 188,
2541       name : Russia
2542     }
2543   },
2544   referee : {
2545     id : 293,
2546     name : Danny Desmond Makkellie,
2547     country : {
2548       id : 160,
2549       name : Netherlands
2550     }
2551   }
2552 }, {
2553   match_id : 3788757,
2554   match_date : 2021-06-16,
2555   kick_off : 15:00:00.000,
2556   competition : {
2557     competition_id : 55,
2558     country_name : Europe,
2559     competition_name : UEFA Euro
2560   },
2561   season : {
2562     season_id : 43,
2563     season_name : 2020
2564   },
2565   home_team : {
2566     home_team_id : 1835,
2567     home_team_name : Finland,
2568     home_team_gender : male,
2569     home_team_group : Group B,
2570     country : {
2571       id : 77,
2572       name : Finland
2573     },
2574     managers : [ {
2575       id : 3622,
2576       name : Markku Kanerva,
2577       nickname : null,
2578       dob : 1964-05-24,
2579       country : {
2580         id : 77,
2581         name : Finland
2582       }
2583     } ]
2584   },
2585   away_team : {
2586     away_team_id : 796,
2587     away_team_name : Russia,
2588     away_team_gender : male,
2589     "away_team_group" : "Group B",
2590     country : {
2591       id : 160,
2592       name : Netherlands
2593     }
2594   },
2595   match_week : 4,
2596   competition_stage : {
2597     id : 10,
2598     name : Group Stage
2599   },
2600   stadium : {
2601     id : 4726,
2602     name : Saint-Petersburg Stadium,
2603     country : {
2604       id : 188,
2605       name : Russia
2606     }
2607   },
2608   referee : {
2609     id : 293,
2610     name : Danny Desmond Makkellie,
2611     country : {
2612       id : 160,
2613       name : Netherlands
2614     }
2615   }
2616 }, {
2617   match_id : 3788758,
2618   match_date : 2021-06-16,
2619   kick_off : 15:00:00.000,
2620   competition : {
2621     competition_id : 55,
2622     country_name : Europe,
2623     competition_name : UEFA Euro
2624   },
2625   season : {
2626     season_id : 43,
2627     season_name : 2020
2628   },
2629   home_team : {
2630     home_team_id : 1835,
2631     home_team_name : Finland,
2632     home_team_gender : male,
2633     home_team_group : Group B,
2634     country : {
2635       id : 77,
2636       name : Finland
2637     },
2638     managers : [ {
2639       id : 3622,
2640       name : Markku Kanerva,
2641       nickname : null,
2642       dob : 1964-05-24,
2643       country : {
2644         id : 77,
2645         name : Finland
2646       }
2647     } ]
2648   },
2649   away_team : {
2650     away_team_id : 796,
2651     away_team_name : Russia,
2652     away_team_gender : male,
2653     "away_team_group" : "Group B",
2654     country : {
2655       id : 160,
2656       name : Netherlands
2657     }
2658   },
2659   match_week : 4,
2660   competition_stage : {
2661     id : 10,
2662     name : Group Stage
2663   },
2664   stadium : {

```



3788753.json indeholder 3806 events for kampen Rusland – Finland.



```

1 "Tactical Shift"
2 "50/50"
2 "Referee Ball-Drop"
2 "Starting XI"
3 "Player Off"
3 "Player On"
4 "Half End"
4 "Half Start"
8 "Substitution"
14 "Injury Stoppage"
19 "Dispossessed"
20 "Dribbled Past"
25 "Shot"
26 "Interception"
26 "Miscontrol"
27 "Foul Won"
28 "Foul Committed"
28 "Goal Keeper"
34 "Block"
34 "Dribble"
67 "Clearance"
86 "Duel"
108 "Ball Recovery"
355 "Pressure"
841 "Carry"
1001 "Ball Receipt*"
1038 "Pass"

```



3788753.json – eksempel på skud-event.

- events
- lineups
- matches
- three-sixty
- competitions.json

events

- 7298.json
- 7430.json
- 7443.json
- 7444.json
- 7445.json
- 7451.json
- 3788747.json
- 3788748.json
- 3788749.json
- 3788750.json
- 3788751.json
- 3788752.json
- 3788753.json
- 3788754.json

```

864 {
865   {
866     id: 1ce72d1b-a7c5-4eb
867     index: 865,
868     period: 1,
869     timestamp: 00:20:38.7
870     minute: 20,
871     second: 38,
872     type: {
873       id: 16,
874       name: Shot
875     },
876     possession: 38,
877     possession_team: {
878       id: 1835,
879       name: Finland
880     },
881     play_pattern: {
882       id: 2,
883       name: From Corner
884     },
885     team: {
886       id: 1835,
887       name: Finland
888     },
889     player: {
890       id: 26939,
891       name: Joona Toivio
892     },
907     shot: {
908       statsbomb_xg: 0.014892562,
909       end_location: [
910         120,
911         30.9,
912         5.9
913       ],
914       key_pass_id: e8a6376e-ba9d-49d
915       body_part: {
916         id: 37,
917         name: Head
918       },
919       type: {
920         id: 87,
921         name: Open
922       },
923       aerial_won: 1,
924       technique: {
925         id: 93,
926         name: Normal
927       },
928       outcome: {
929         id: 98,
930         name: Off Target
931       },
932       freeze_frame: {
933         location: [
934           112.7,
935           42
936         ],
937         {
1158       },
1159       location: [
1160         111.7,
1161         36.2
1162       ],
1163       player: {
1164         id: 38196,
1165         name: Daniel O'Shaughnessy
1166       },
1167       position: {
1168         id: 5,
1169         name: Left Center Back
1170       },
1171       teammate: true
1172     }
1173   ]
1174 }
1175 {
1176   id: 7aa54ce6-106a-4e26-9fb1-77aa0d7

```