

# Wizualizacja eventów z zawodów sportowych



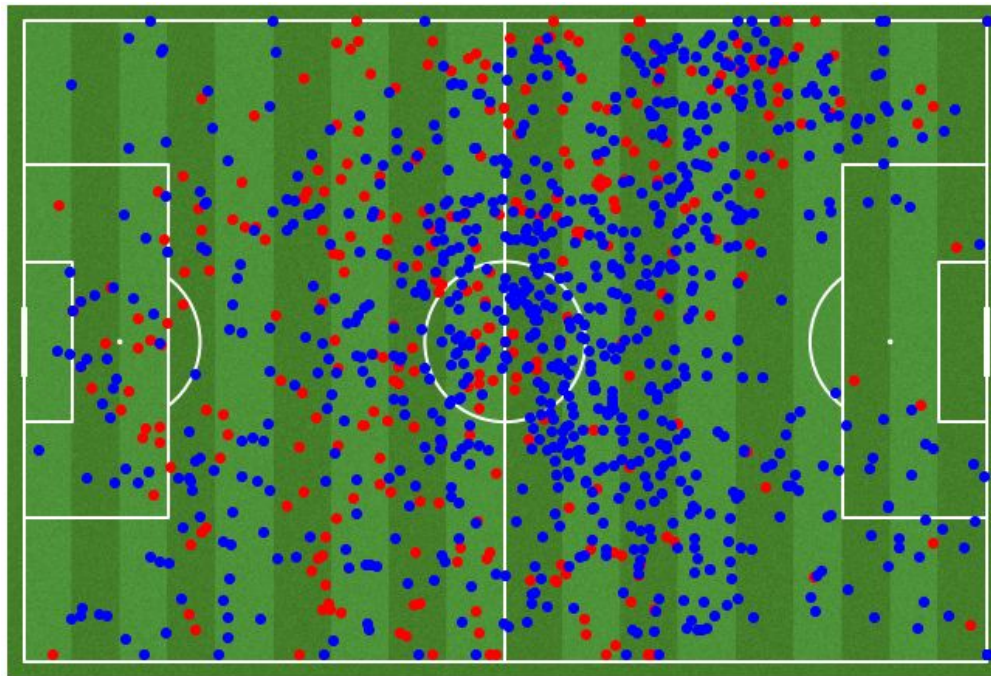
[GitHub - koushikkirugulige/Football-Analytics: Visualizations and predictive analytics which uses statsbomb and other data sources to visualize metrics like shot location, through ball pass, passmap, heatmap of a player, xG of a shoot etc.](#)

[statsbomb/open-data](https://github.com/statsbomb/open-data): Free football data from StatsBomb ([github.com](https://github.com))

[illegible]



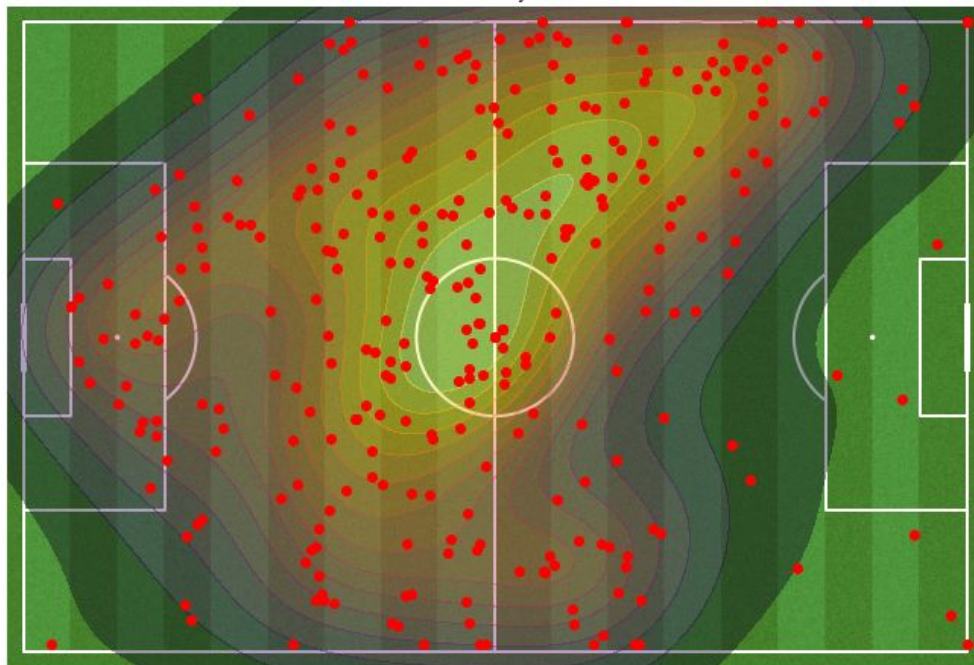
## Mecz: Barcelona (Niebieski) vs Levante (Czerwony). Mapa wykonywania podań





# Leveante

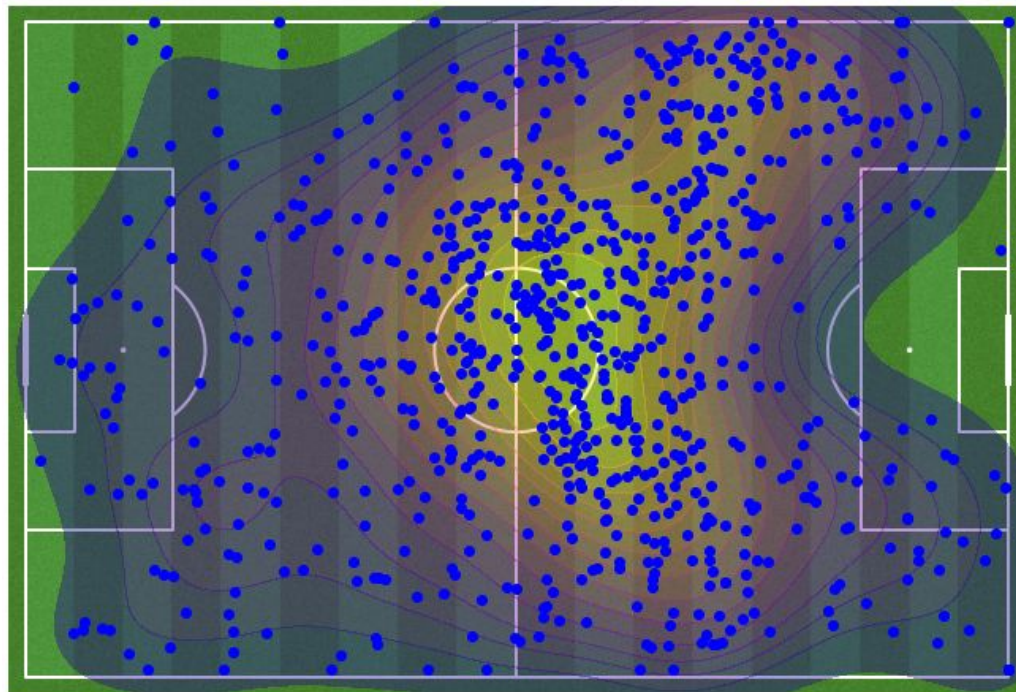
## Heatmapa + miejsca wykonania podań





# Barcelona

## Heatmapa + miejsca wykonania podań





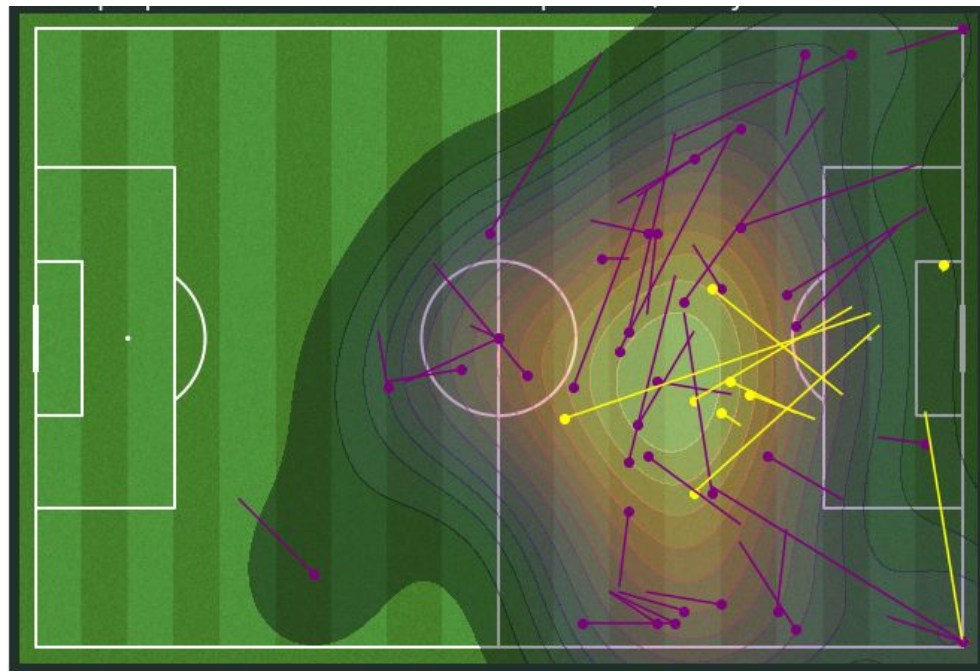
## 2. Podejście drugie - Dane od mckayjohns+ Mapa podań z wektorami+ heatmapa

<https://github.com/mckayjohns>

	player	minute	second	x	y	type	outcome	endX	endY
0	messi	45	0	50	50	Pass	Successful	40	43
1	messi	45	25	63	48	Pass	Successful	75	83
2	messi	46	4	74	58	Pass	Successful	71	65
3	messi	46	7	76	68	Pass	Successful	95	78
4	messi	46	55	100	1	Pass	Unsuccessful	96	38
5	messi	47	42	73	25	Pass	Successful	70	54
6	messi	49	47	75	43	Pass	Unsuccessful	82	38
7	messi	50	10	79	31	Pass	Successful	87	24
8	messi	50	17	82	52	Pass	Successful	93	68
9	messi	50	24	98	62	Pass	Unsuccessful	98	61
10	messi	55	22	30	12	Pass	Successful	22	24
11	messi	56	24	38	42	Pass	Successful	37	51
12	messi	56	36	53	44	Pass	Successful	43	62
13	messi	56	43	61	63	Pass	Successful	64	63
14	messi	57	2	96	33	Pass	Successful	91	34
15	messi	62	25	46	45	Pass	Successful	38	43
16	messi	62	31	49	67	Pass	Successful	61	96
17	messi	63	36	64	22	Pass	Successful	63	10



**Mapa podań Messiego w meczu.**  
**żółte = nieudane, fioletowe = udane**







## # 3. Podejście 3. Połączenie 1 z nowym rozwiązaniem (dane statsbomb)

<https://github.com/koushikkirugulige/Football-Analytics/blob/master/BarcaGoalLocByManagers.ipynb>

Hiszpania sezony 17/18, 18/19, 19/20, zespół -> Sevilla

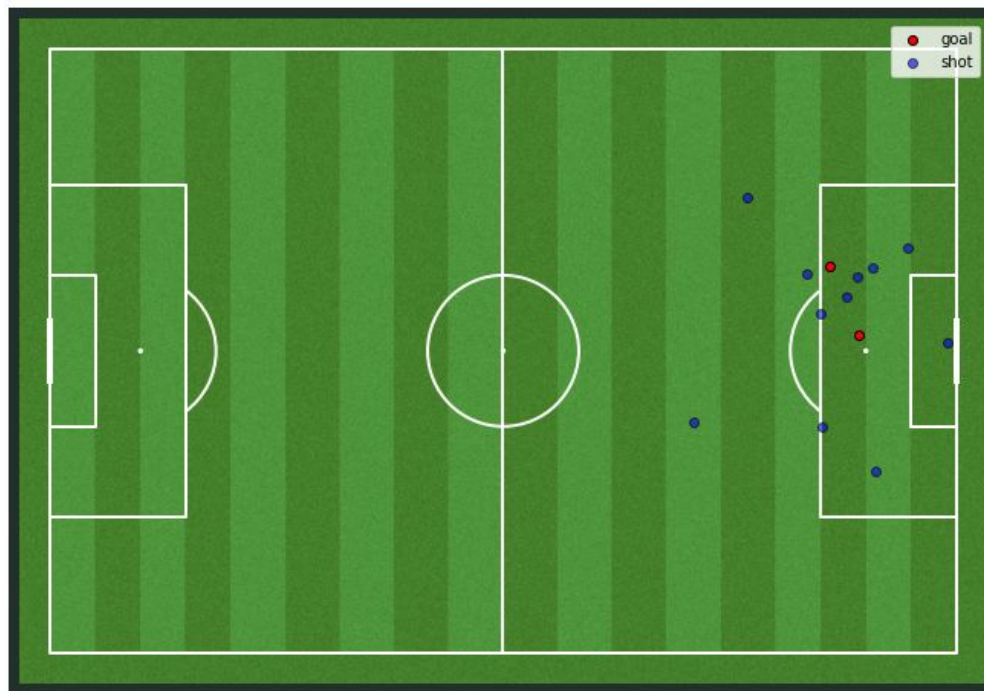
	location	shot_body_part_id	shot_end_location	shot_outcome_id	player_name	player_id
0	[111.1, 28.5]	40.0	[112.1, 30.1]	96.0	Carlos Joaquín Correa	6822.0
1	[106.8, 26.5]	38.0	[108.3, 28.0]	96.0	Franco Damián Vázquez	6719.0
2	[118.8, 39.0]	37.0	[120.0, 32.5, 0.5]	98.0	Luis Fernando Muriel Fruto	6334.0
3	[113.5, 26.3]	38.0	[119.7, 61.5]	101.0	Luis Fernando Muriel Fruto	6334.0
4	[112.0, 40.2]	37.0	[120.0, 34.0, 1.3]	98.0	Carlos Joaquín Correa	6822.0
...	...	...	...	...	...	...
81	[106.2, 53.0]	40.0	[120.0, 42.0, 5.0]	98.0	Lucas Ariel Ocampos	4345.0
82	[104.2, 23.3]	40.0	[110.0, 29.1]	96.0	Éver Maximiliano David Banega	5504.0
83	[96.9, 43.5]	38.0	[107.9, 41.6]	96.0	Munir El Haddadi Mohamed	6616.0
84	[113.1, 36.4]	40.0	[120.0, 30.8, 0.2]	98.0	Javier Hernández Balcázar	3058.0
85	[95.3, 39.8]	40.0	[106.4, 38.9]	96.0	Joan Jordán Moreno	6701.0

Luis Fernando Muriel Fruto	13
Éver Maximiliano David Banega	7
Franco Damián Vázquez	7
Wissam Ben Yedder	7
Pablo Sarabia García	7
Lucas Ariel Ocampos	6
Jesús Navas González	5
Luuk de Jong	4
Carlos Joaquín Correa	3
Guido Hernán Pizarro	3
Miguel Arturo Layún Prado	2
Daniel Filipe Martins Carriço	2
Sergio Reguilón Rodríguez	2
Gabriel Iván Mercado	2
Simon Thorup Kjær	2
Munir El Haddadi Mohamed	2
Sergi Gómez Solà	1
Quincy Anton Promes	1
Roque Mesa Quevedo	1
Joan Jordán Moreno	1
Marko Rog	1
Fernando Francisco Reges	1
Jules Koundé	1
Sergio Escudero Palomo	1
André Miguel Valente Silva	1
Guilherme Antonio Arana Lopes	1
Javier Hernández Balcázar	1
Manuel Agudo Durán	1





# Strzały na bramkę zawodnika: Luis Fernando Muriel Fruto





# Koniec