

Football Player Transfer Dataset Documentation

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February 13, 2018

Introduction & motivation

In professional football, transfer is taken when a player moves from one associated football club to another. Generally, the player can only move from one club to another only in transfer window. But the transfer has different approaches like pre-season contract, buy-out clause, loan(half season, full season etc).

Players always try to achieve trophies. In order to achieve trophies they always try to play for great clubs. That's why they give their best to play for that clubs. That's the motive of transfer.

1. Relevant Information [1]:

- This dataset is build to predict whether a transfer happened or not. Usually transfer is done by the performance of a player. Sometimes it is done in terms of good performance, sometimes for bad performance. This dataset contains 2 classes, where 0 is for no transfer 1 is for transfer. Each classes contains 50 instances. In this dataset transfer is predicted of a player based on the performance of six months (June - January) 2017/2018.
- Predictive attribute : Transfer of a player.

2. Number of instances: 100.

3. Number of attributes: 1 object type and 12 numeric, including predictive attributes and the class.

4. Attributes information:

- (a) **Player:** Name of the player(string type).
- (b) **Age:** Age of the player(number).
- (c) **Matches:** Matches he played(number).
- (d) **Goals:** Goals he scored(number).
- (e) **Own_goals:** No of own goals he provided(number).
- (f) **Assists:** No of assists he provided(number).
- (g) **Yellow_cards:** No of yellow cards he got(number).
- (h) **Second_yellow:** No of second yellow card he got(number).
- (i) **Red_cards:** No of straight red cards he got(number).
- (j) **Subs_on:** Substitute On number of matches(number).
- (k) **Subs_off:** Substitute Off number of matches(number).
- (l) **Price (in Milion Euros):** Transfer prices(number).
- (m) **Transfer(predict):**
 - 0 is for no transfer.
 - 1 is for transfer.

5. Missing attribute values: None.

6. Summary of the dataset:

	count	mean	std	min	25%	50%	75%	max
Age	100	25.54	3.27	19	23	25	28	34
Matches	100	21.04	8.62	0	16	23	28	35
Goals	100	7.13	6.80	0	2	5	10	28
Own_goals	100	0.14	.53	0	0	0	0	4
Assists	100	3.75	3.39	0	1	3	5	15
Yellow_card	100	1.86	2.02	0	0	1	3	9
Second_yellow	100	.11	.31	0	0	0	0	1
Red_cards	100	.17	.84	0	0	0	0	8
Subs_on	100	3.65	3.52	0	1	3	5	16
Subs_off	100	5.61	5.17	0	1	3	10	19
Price	100	4997	3430.7	4000	2100	5000	7000	18000
Transfer	100	.49	.50	0	0	0	1	1

References

- [1] Transfermarkt. Transfermarkt, 2017. [Online; accessed 29-July-2017].