WFA Soccer Stats Report

September 27, 2017

Report on the WFA soccer team.

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1 Data file format

1.1 File Location

The incoming data file-soccerstats.csv-is found in this directory.

1.2 File format

I have included a snippet from the data file below (it contains 21 fields):

Opponent, Date, Weather, GameType, Field, 1GU, 1GO, 2GU, 2GO, 1ShU, 1ShO, 2ShU, 2ShO, 1CU, 1CO, 2CU, 2CO, 1SaU, 1SaO, 2SaU, 2SaO FC Surge Edmonds, 6-Jun-2016, Breezy and overcast, Tournament, Turf -- good condition, 5, 0, 2, 1, 15, 1, 6, 7, 0, 1, 0, 2, 1, 6, 3, 2

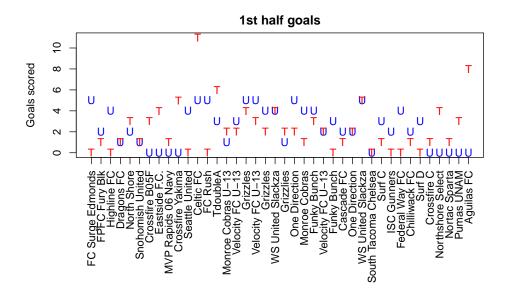
Data dictionary for the CSV file follows:

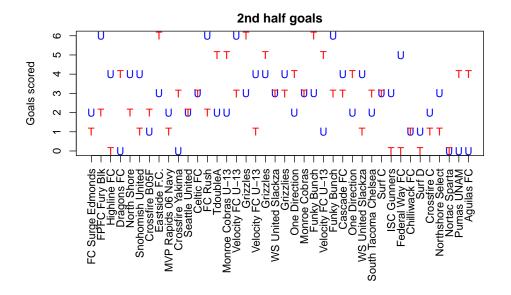
${f Field}$	Description	Type
Opponent	Who did we play?	Freeform text
Date	When did we play?	dd-mmm-YYYY (e.g. 12-Mar-2050)
Weather	What was the weather like?	Freeform text
Gametype	What kind of game was it?	$Categorical\ data ({\tiny \tt Friendly, Tournament, League, Grudge\ match})$
\mathbf{Field}	How was the field?	Freeform text
$1 \mathrm{GU}$	1st half goals us	whole number $>= 0$
1GT	1st half goals them	whole number $>= 0$
2GU	2nd half goals us	whole number $>= 0$
2GT	2nd half goals them	whole number $>= 0$
$1 \mathrm{ShU}$	1st half shots us	whole number $>= 0$
$1\mathrm{ShT}$	1st half shots them	whole number $>= 0$
$2\mathrm{ShU}$	2nd half shots us	whole number $>= 0$
$2\mathrm{ShT}$	2nd half shots them	whole number $>= 0$
1CU	1st half corners us	whole number $>= 0$
1CT	1st half corners them	whole number $>= 0$
2CU	2nd half corners us	whole number $>= 0$
2CT	2nd half corners them	whole number $>= 0$
1SaU	1st half saves us	whole number $>= 0$
1SaT	1st half saves them	whole number $>= 0$
2SaU	2nd half saves us	whole number $>= 0$
2SaT	2nd half saves them	whole number $>= 0$
${f Addenda}$	Any additional info	Freeform text

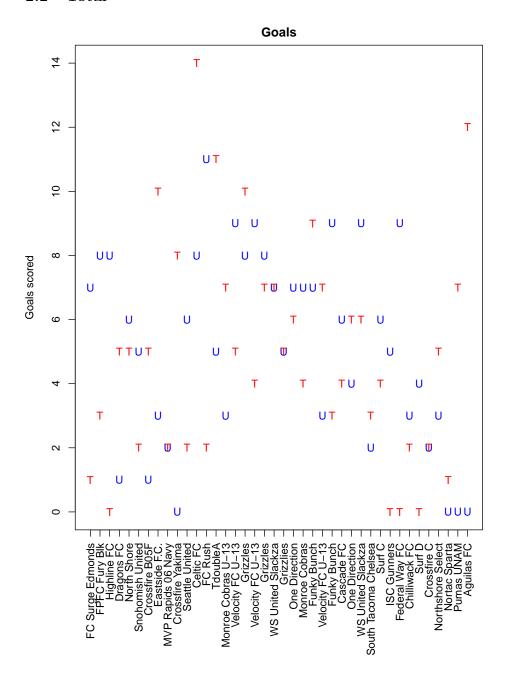
NB: Since indoor soccer does not have corners, the *CSV* file needs to be correctly edited for indoor games. Indoor matches are removed from graphing and calculations when the *Weather* column is set to *Indoor* and if the 4 corner fields–1*CU*, 1*CT*, 2*CU*, and 2*CT*–are set to empty.

2 Goals

2.1 Halves

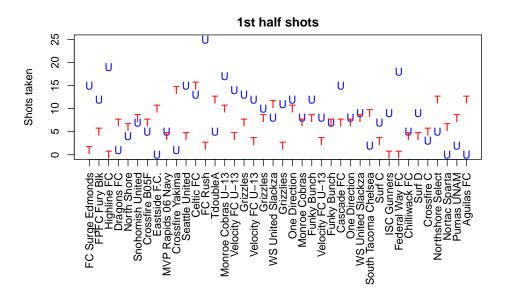


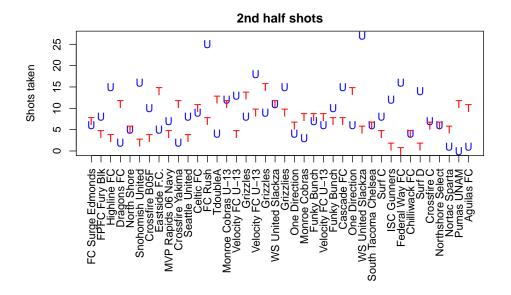


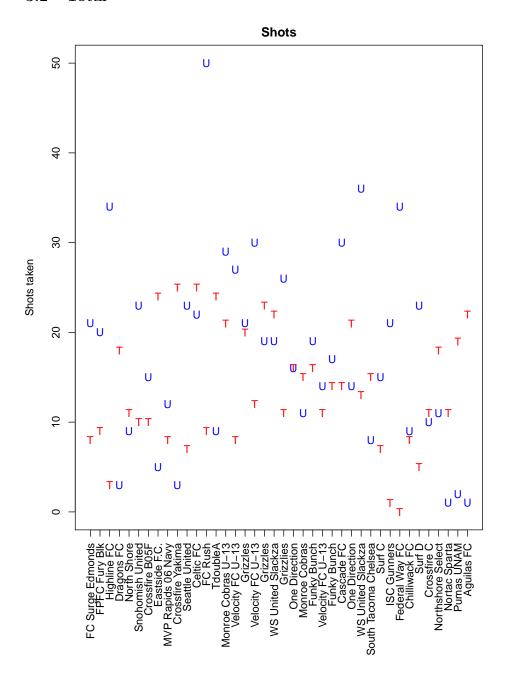


3 Shots

3.1 Haves

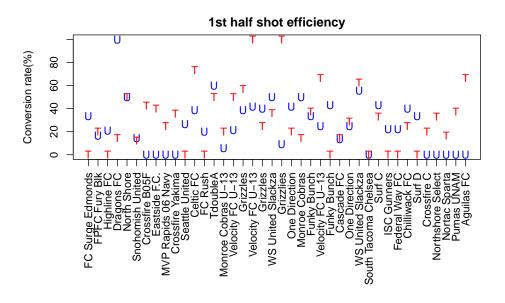


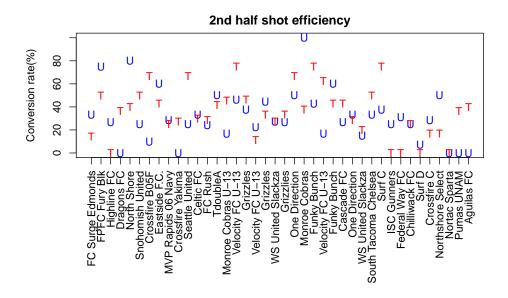


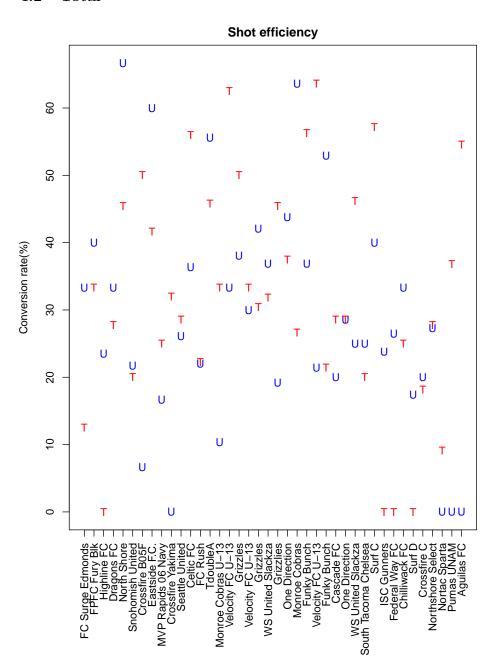


4 Shot Efficiency

4.1 Halves

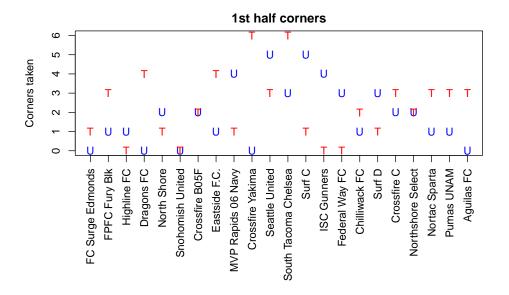


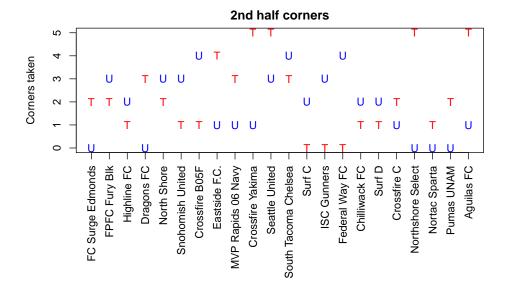


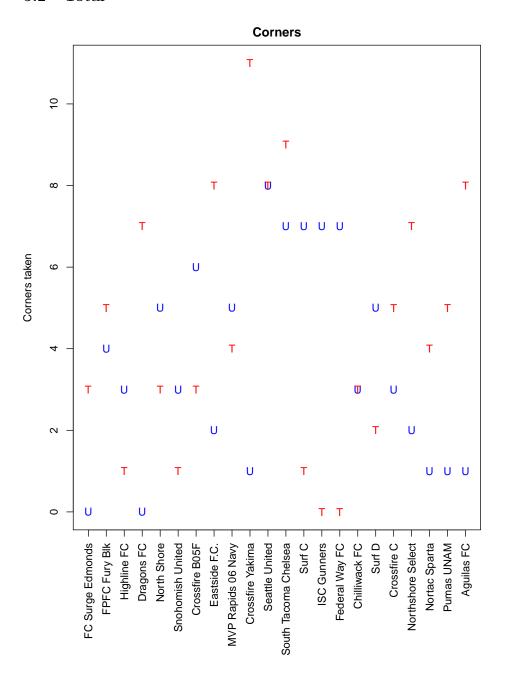


5 Corners

5.1 Halves

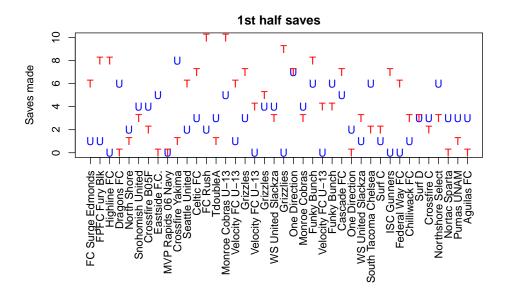


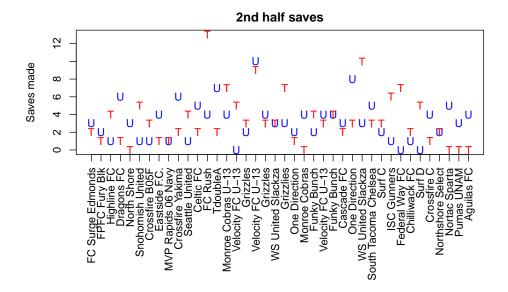


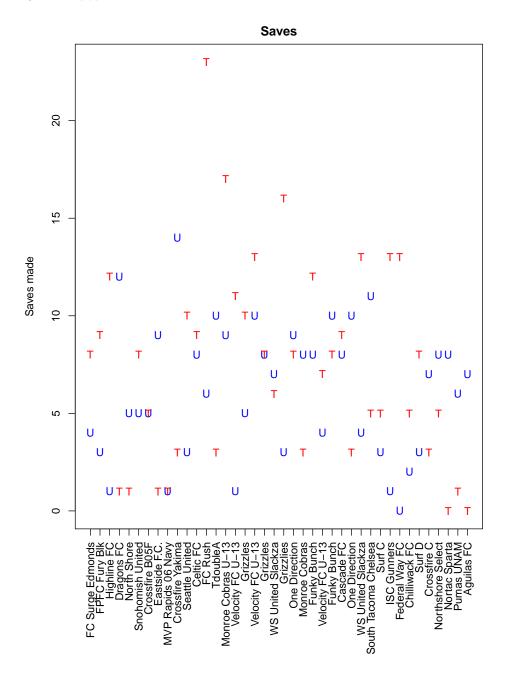


6 Saves

6.1 Halves







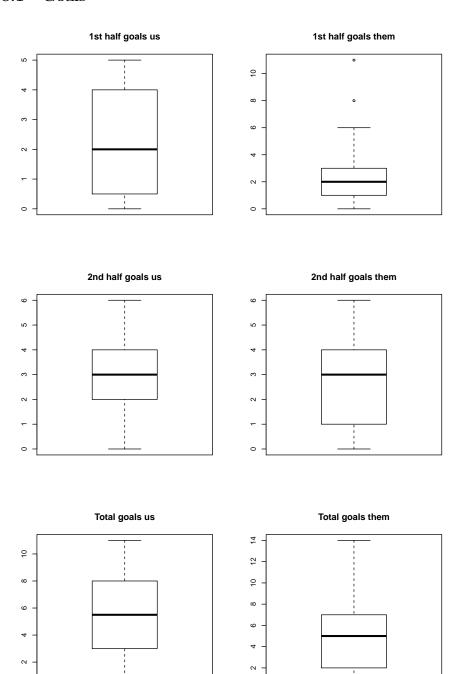
7 Statistics

Metric	Mean	Median	Total	Min	Max
1st half goals(us)	2.4	2	96	0	5
2nd half goals(us)	$\frac{2.4}{2.8}$	3	110	0	6
Goals(us)	5.2	5.5	206	0	11
doub(ub)	0.2	0.0	200		
1st half goals(them)	2.2	2	90	0	11
2nd half goals(them)	2.6	3	106	0	6
Goals(them)	4.9	5	196	0	14
1st half shots(us)	8.8	8	351	0	27
2nd half shots(us)	9	8	361	0	27
Shots(us)	17.8	18	712	1	50
1st half shots(them)	6.5	7	260	0	15
2nd half shots(them)	7.1	7	285	0	15
Shots(them)	13.6	12.5	545	0	25
1st half corners(us)	1.9	1.5	41	0	5
2nd half corners(us)	1.8	2	40	0	4
Corners(us)	3.7	3	81	0	8
1st half corners(them)	2.2	2	49	0	6
2nd half corners(them)	2.2	2	49	0	5
Corners(them)	4.5	4	98	0	11
1st half saves(us)	3	3	118	0	8
2nd half saves(us)	3.2	3	128	0	10
Saves(us)	6.2	6.5	246	0	14
1st half saves(them)	4	3	162	0	10
2nd half saves(them)	$\frac{4}{3.4}$	3	134	0	13
Saves(them)	$\frac{3.4}{7.4}$	8	$\frac{134}{296}$	0	23
Saves (them)	1.4	0	290	U	۷3

Statistics are based on ${\bf 40}$ games. With an overall record of ${\bf 20}$ wins, ${\bf 16}$ losses, and ${\bf 4}$ draws.

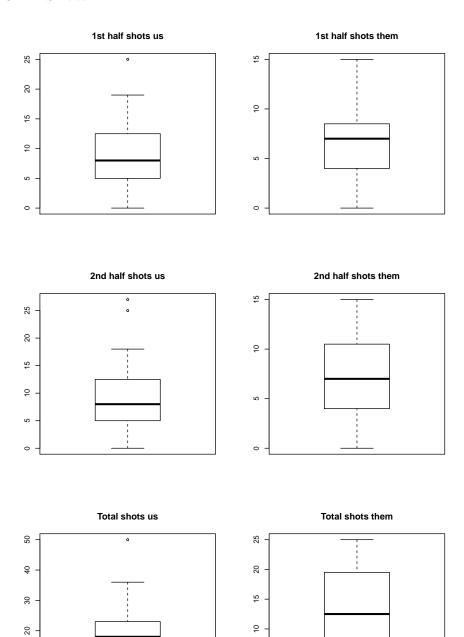
8 Distributions

8.1 Goals

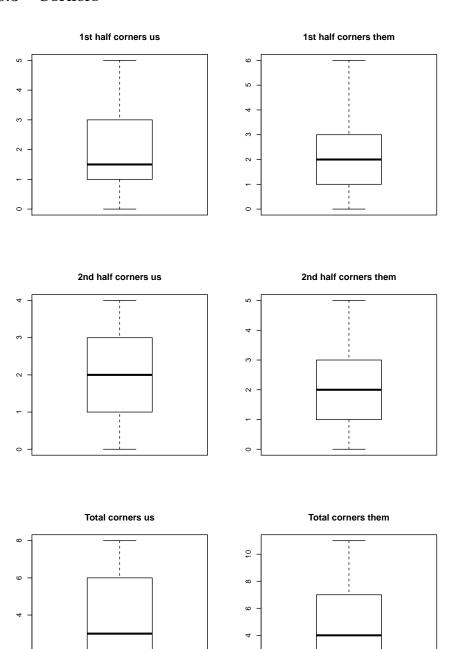


8.2 Shots

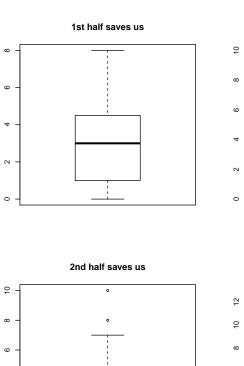
6 -

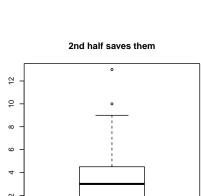


8.3 Corners

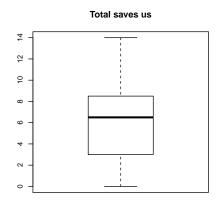


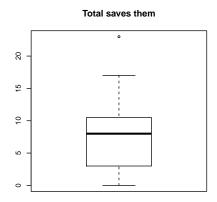
8.4 Saves





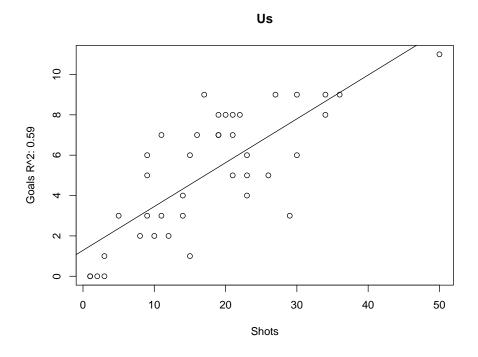
1st half saves them

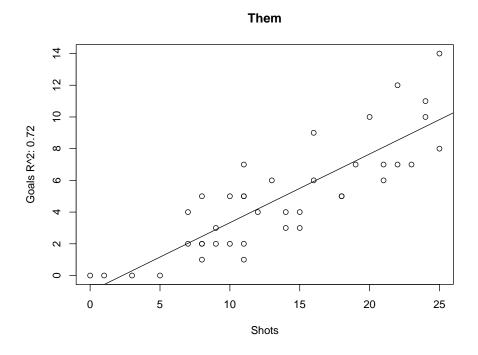




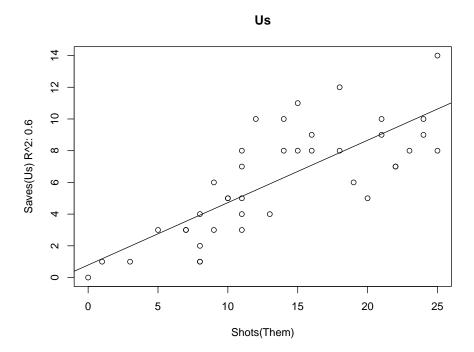
9 Correlations

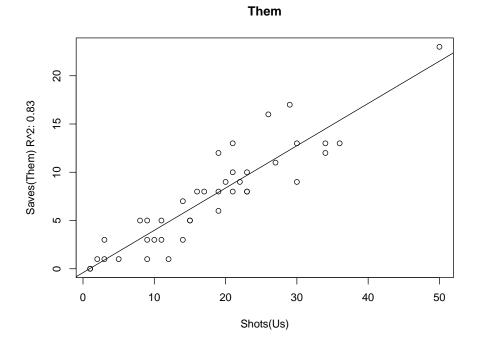
9.1 Shots correlated with Goals





9.2 Saves correlated with Shots





9.3 Goals correlated with Corners

