


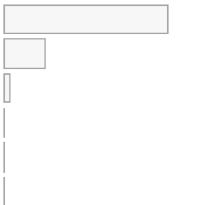

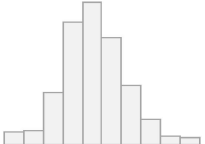
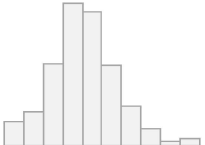
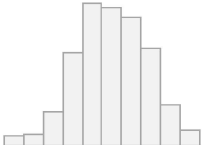
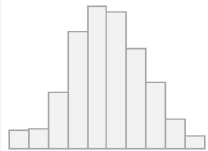
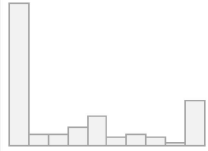
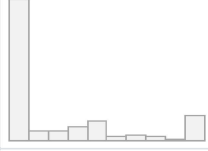

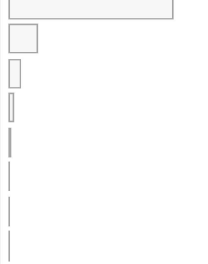

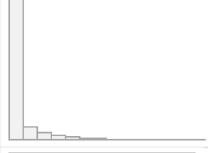


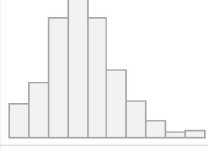
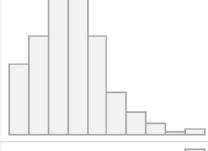
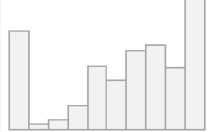


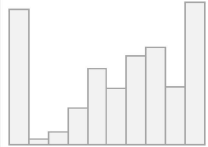
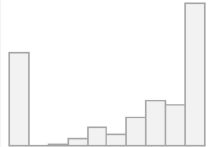
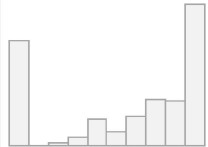
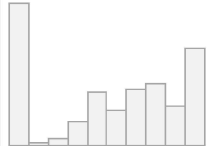
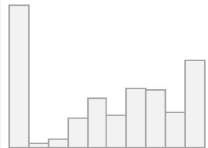
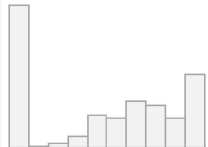
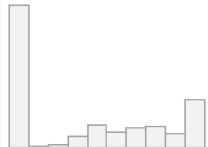
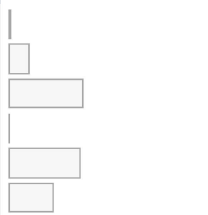

# Data Frame Summary

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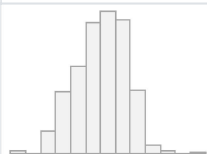
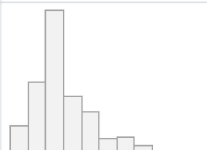
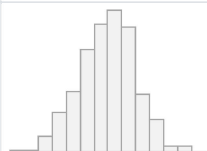

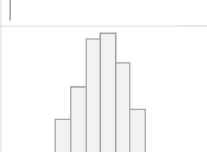

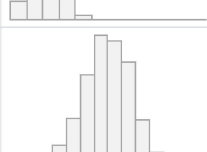
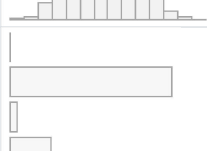
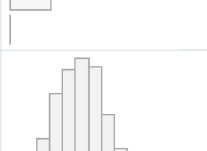
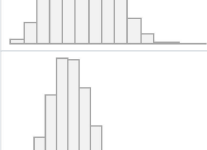

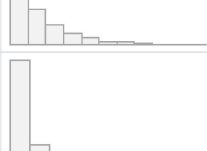
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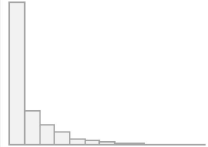
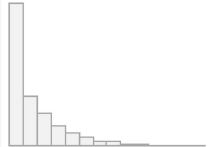
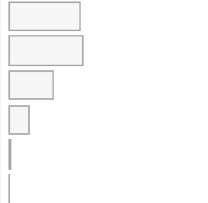

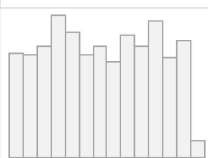
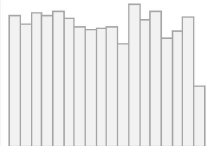
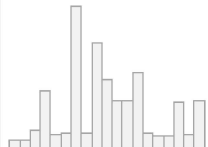
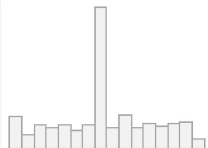


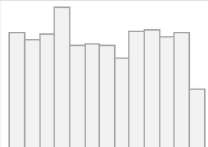
No	Variable	Stats / Values	Freqs (% of Valid)	Graph	Valid	Missing
1	X [integer]	Mean (sd) : 2558.6 (1469.9) min < med < max: 0 < 2579 < 5143 IQR (CV) : 2563.5 (0.6)	4643 distinct values		4643 (100%)	0 (0%)
2	R_fighter [character]	1. Donald Cerrone 2. Jim Miller 3. Demian Maia 4. Diego Sanchez 5. Michael Bisping 6. Anderson Silva 7. Frank Mir 8. Georges St-Pierre 9. Lyoto Machida 10. Andrei Arlovski [ 1199 others ]	22 ( 0.5%) 22 ( 0.5%) 21 ( 0.5%) 21 ( 0.5%) 21 ( 0.5%) 19 ( 0.4%) 19 ( 0.4%) 19 ( 0.4%) 19 ( 0.4%) 18 ( 0.4%) 4442 ( 95.7%)		4643 (100%)	0 (0%)
3	B_fighter [character]	1. Jeremy Stephens 2. Charles Oliveira 3. Rafael Dos Anjos 4. Tim Boetsch 5. Nik Lentz 6. Rick Story 7. CB Dollaway 8. Dan Henderson 9. Evan Dunham 10. Gleison Tibau [ 1572 others ]	18 ( 0.4%) 16 ( 0.3%) 13 ( 0.3%) 13 ( 0.3%) 12 ( 0.3%) 12 ( 0.3%) 11 ( 0.2%) 11 ( 0.2%) 11 ( 0.2%) 4515 ( 97.2%)		4643 (100%)	0 (0%)
4	R_KD [integer]	Mean (sd) : 0.3 (0.5) min < med < max: 0 < 0 < 5 IQR (CV) : 0 (2)	0: 3597 ( 77.5%) 1: 900 ( 19.4%) 2: 124 ( 2.7%) 3: 18 ( 0.4%) 4: 2 ( 0.0%) 5: 2 ( 0.0%)		4643 (100%)	0 (0%)
5	B_KD [integer]	Mean (sd) : 0.2 (0.5) min < med < max: 0 < 0 < 4 IQR (CV) : 0 (2.5)	0: 3910 ( 84.2%) 1: 633 ( 13.6%) 2: 81 ( 1.7%) 3: 16 ( 0.3%) 4: 3 ( 0.1%)		4643 (100%)	0 (0%)
6	R_SIG_STR_pct [numeric]	Mean (sd) : 0.5 (0.2) min < med < max: 0 < 0.5 < 1 IQR (CV) : 0.2 (0.4)	95 distinct values		4643 (100%)	0 (0%)
7	B_SIG_STR_pct [numeric]	Mean (sd) : 0.4 (0.2) min < med < max: 0 < 0.4 < 1 IQR (CV) : 0.2 (0.4)	90 distinct values		4643 (100%)	0 (0%)
8	R_TOTAL_STR. [numeric]	Mean (sd) : 0.6 (0.2) min < med < max: 0 < 0.6 < 1 IQR (CV) : 0.3 (0.3)	94 distinct values		4643 (100%)	0 (0%)

No	Variable	Stats / Values	Freqs (% of Valid)	Graph	Valid	Missing
9	B_TOTAL_STR. [numeric]	Mean (sd) : 0.5 (0.2) min < med < max: 0 < 0.5 < 1 IQR (CV) : 0.3 (0.4)	96 distinct values		4643 (100%)	0 (0%)
10	R_TD_pct [numeric]	Mean (sd) : 0.3 (0.4) min < med < max: 0 < 0.1 < 1 IQR (CV) : 0.6 (1.2)	69 distinct values		4643 (100%)	0 (0%)
11	B_TD_pct [numeric]	Mean (sd) : 0.2 (0.3) min < med < max: 0 < 0 < 1 IQR (CV) : 0.4 (1.5)	60 distinct values		4643 (100%)	0 (0%)
12	R_SUB_ATT [integer]	Mean (sd) : 0.5 (1) min < med < max: 0 < 0 < 10 IQR (CV) : 1 (1.9)	11 distinct values		4643 (100%)	0 (0%)
13	B_SUB_ATT [integer]	Mean (sd) : 0.4 (0.8) min < med < max: 0 < 0 < 7 IQR (CV) : 0 (2.2)	0: 3604 ( 77.6%) 1: 626 ( 13.5%) 2: 263 ( 5.7%) 3: 100 ( 2.1%) 4: 29 ( 0.6%) 5: 14 ( 0.3%) 6: 3 ( 0.1%) 7: 4 ( 0.1%)		4643 (100%)	0 (0%)
14	R_PASS [integer]	Mean (sd) : 1.4 (2.3) min < med < max: 0 < 0 < 26 IQR (CV) : 2 (1.7)	21 distinct values		4643 (100%)	0 (0%)
15	B_PASS [integer]	Mean (sd) : 0.8 (1.6) min < med < max: 0 < 0 < 14 IQR (CV) : 1 (2)	15 distinct values		4643 (100%)	0 (0%)
16	R_REV [integer]	Mean (sd) : 0.1 (0.4) min < med < max: 0 < 0 < 5 IQR (CV) : 0 (3)	0: 4097 ( 88.2%) 1: 460 ( 9.9%) 2: 72 ( 1.6%) 3: 9 ( 0.2%) 4: 4 ( 0.1%) 5: 1 ( 0.0%)		4643 (100%)	0 (0%)
17	B_REV [integer]	Mean (sd) : 0.1 (0.4) min < med < max: 0 < 0 < 3 IQR (CV) : 0 (3.1)	0: 4127 ( 88.9%) 1: 420 ( 9.0%) 2: 79 ( 1.7%) 3: 17 ( 0.4%)		4643 (100%)	0 (0%)
18	R_HEAD [numeric]	Mean (sd) : 0.4 (0.2) min < med < max: 0 < 0.4 < 1 IQR (CV) : 0.2 (0.5)	95 distinct values		4643 (100%)	0 (0%)
19	B_HEAD [numeric]	Mean (sd) : 0.3 (0.2) min < med < max: 0 < 0.3 < 1 IQR (CV) : 0.2 (0.6)	91 distinct values		4643 (100%)	0 (0%)
20	R_BODY [numeric]	Mean (sd) : 0.6 (0.3) min < med < max: 0 < 0.7 < 1 IQR (CV) : 0.4 (0.5)	82 distinct values		4643 (100%)	0 (0%)

No	Variable	Stats / Values	Freqs (% of Valid)	Graph	Valid	Missing
21	B_BODY [numeric]	Mean (sd) : 0.6 (0.3) min < med < max: 0 < 0.7 < 1 IQR (CV) : 0.4 (0.6)	85 distinct values		4643 (100%)	0 (0%)
22	R_LEG [numeric]	Mean (sd) : 0.6 (0.4) min < med < max: 0 < 0.8 < 1 IQR (CV) : 0.7 (0.6)	71 distinct values		4643 (100%)	0 (0%)
23	B_LEG [numeric]	Mean (sd) : 0.6 (0.4) min < med < max: 0 < 0.8 < 1 IQR (CV) : 0.8 (0.6)	71 distinct values		4643 (100%)	0 (0%)
24	R_CLINCH [numeric]	Mean (sd) : 0.5 (0.4) min < med < max: 0 < 0.6 < 1 IQR (CV) : 0.8 (0.7)	80 distinct values		4643 (100%)	0 (0%)
25	B_CLINCH [numeric]	Mean (sd) : 0.5 (0.4) min < med < max: 0 < 0.6 < 1 IQR (CV) : 0.8 (0.7)	83 distinct values		4643 (100%)	0 (0%)
26	R_GROUND [numeric]	Mean (sd) : 0.5 (0.4) min < med < max: 0 < 0.6 < 1 IQR (CV) : 0.8 (0.8)	83 distinct values		4643 (100%)	0 (0%)
27	B_GROUND [numeric]	Mean (sd) : 0.4 (0.4) min < med < max: 0 < 0.3 < 1 IQR (CV) : 0.8 (1)	83 distinct values		4643 (100%)	0 (0%)
28	win_by [character]	1. Decision - Majority 2. Decision - Split 3. Decision - Unanimous 4. DQ 5. KO/TKO 6. Submission	34 ( 0.7%) 448 ( 9.6%) 1624 (35.0%) 14 ( 0.3%) 1547 (33.3%) 976 (21.0%)		4643 (100%)	0 (0%)
29	Format [character]	1. 3 Rnd (5-5-5) 2. 5 Rnd (5-5-5-5-5) 3. 1 Rnd + OT (12-3) 4. No Time Limit 5. 1 Rnd + 2OT (15-3-3) 6. 3 Rnd + OT (5-5-5-5) 7. 1 Rnd (20) 8. 2 Rnd (5-5) 9. 1 Rnd (15) 10. 1 Rnd (10) [ 7 others ]	4112 (88.6%) 399 ( 8.6%) 50 ( 1.1%) 19 ( 0.4%) 18 ( 0.4%) 11 ( 0.2%) 9 ( 0.2%) 6 ( 0.1%) 5 ( 0.1%) 3 ( 0.1%) 11 ( 0.2%)		4643 (100%)	0 (0%)

No	Variable	Stats / Values	Freqs (% of Valid)	Graph	Valid	Missing
30	Referee [character]	1. Herb Dean 2. John McCarthy 3. Mario Yamasaki 4. Dan Miragliotta 5. Marc Goddard 6. Yves Lavigne 7. Steve Mazzagatti 8. Leon Roberts 9. Keith Peterson 10. Josh Rosenthal [ 177 others ]	689 ( 14.8% ) 522 ( 11.2% ) 366 ( 7.9% ) 317 ( 6.8% ) 251 ( 5.4% ) 240 ( 5.2% ) 192 ( 4.1% ) 166 ( 3.6% ) 128 ( 2.8% ) 112 ( 2.4% ) 1660 ( 35.8% )		4643 (100%)	0 (0%)
31	date [character]	1. 2016-11-19 2. 2014-05-31 3. 2014-08-23 4. 2014-10-04 5. 2014-06-28 6. 2009-09-19 7. 2013-05-18 8. 2014-04-19 9. 2014-05-10 10. 2015-08-08 [ 466 others ]	24 ( 0.5% ) 22 ( 0.5% ) 21 ( 0.5% ) 21 ( 0.5% ) 20 ( 0.4% ) 13 ( 0.3% ) 13 ( 0.3% ) 13 ( 0.3% ) 13 ( 0.3% ) 13 ( 0.3% ) 4470 ( 96.3% )		4643 (100%)	0 (0%)
32	location [character]	1. Las Vegas, Nevada, USA 2. London, England, United K 3. Montreal, Quebec, Canada 4. Chicago, Illinois, USA 5. Newark, New Jersey, USA 6. Atlantic City, New Jersey 7. Toronto, Ontario, Canada 8. Los Angeles, California, 9. Stockholm, Sweden 10. Rio de Janeiro, Brazil [ 147 others ]	1106 ( 23.8% ) 97 ( 2.1% ) 78 ( 1.7% ) 73 ( 1.6% ) 73 ( 1.6% ) 71 ( 1.5% ) 71 ( 1.5% ) 70 ( 1.5% ) 68 ( 1.5% ) 67 ( 1.4% ) 2869 ( 61.8% )		4643 (100%)	0 (0%)
33	Fight_type [character]	1. Welterweight Bout 2. Lightweight Bout 3. Middleweight Bout 4. Light Heavyweight Bout 5. Heavyweight Bout 6. Featherweight Bout 7. Bantamweight Bout 8. Flyweight Bout 9. Women's Strawweight Bout 10. Women's Bantamweight Bout [ 81 others ]	850 ( 18.3% ) 849 ( 18.3% ) 644 ( 13.9% ) 426 ( 9.2% ) 414 ( 8.9% ) 389 ( 8.4% ) 321 ( 6.9% ) 167 ( 3.6% ) 99 ( 2.1% ) 78 ( 1.7% ) 406 ( 8.7% )		4643 (100%)	0 (0%)
34	Winner [character]	1. Donald Cerrone 2. Demian Maia 3. Georges St-Pierre 4. Michael Bisping 5. Jim Miller 6. Diego Sanchez 7. Jon Jones 8. Rafael Dos Anjos 9. Anderson Silva 10. Dustin Poirier [ 1148 others ]	23 ( 0.5% ) 20 ( 0.4% ) 20 ( 0.4% ) 20 ( 0.4% ) 19 ( 0.4% ) 18 ( 0.4% ) 18 ( 0.4% ) 18 ( 0.4% ) 17 ( 0.4% ) 17 ( 0.4% ) 4453 ( 95.9% )		4643 (100%)	0 (0%)

No	Variable	Stats / Values	Freqs (% of Valid)	Graph	Valid	Missing															
35	Red_Fighter_Height [numeric]	Mean (sd) : 179.4 (8.6) min < med < max: 152.4 < 180.3 < 210.8 IQR (CV) : 12.7 (0)	23 distinct values		4643 (100%)	0 (0%)															
36	Red_Fighter_Weight [numeric]	Mean (sd) : 78.2 (15.6) min < med < max: 52.2 < 77.1 < 156.5 IQR (CV) : 18.1 (0.2)	56 distinct values		4643 (100%)	0 (0%)															
37	Red_Fighter_Reach [numeric]	Mean (sd) : 184.1 (10.2) min < med < max: 152.4 < 185.4 < 216.1 IQR (CV) : 12.7 (0.1)	41 distinct values		4643 (100%)	0 (0%)															
38	Red_Fighter_Stance [integer]	Mean (sd) : 2.4 (0.8) min < med < max: 1 < 2 < 5 IQR (CV) : 0 (0.3)	<table><tr><td>1:</td><td>14</td><td>( 0.3%)</td></tr><tr><td>2:</td><td>3531</td><td>( 76.0%)</td></tr><tr><td>3:</td><td>130</td><td>( 2.8%)</td></tr><tr><td>4:</td><td>966</td><td>(20.8%)</td></tr><tr><td>5:</td><td>2</td><td>( 0.0%)</td></tr></table>	1:	14	( 0.3%)	2:	3531	( 76.0%)	3:	130	( 2.8%)	4:	966	(20.8%)	5:	2	( 0.0%)		4643 (100%)	0 (0%)
1:	14	( 0.3%)																			
2:	3531	( 76.0%)																			
3:	130	( 2.8%)																			
4:	966	(20.8%)																			
5:	2	( 0.0%)																			
39	Blue_Fighter_Height [numeric]	Mean (sd) : 179.4 (8.5) min < med < max: 152.4 < 180.3 < 210.8 IQR (CV) : 12.7 (0)	24 distinct values		4643 (100%)	0 (0%)															
40	Blue_Fighter_Weight [numeric]	Mean (sd) : 78.2 (16.1) min < med < max: 52.2 < 77.1 < 272.2 IQR (CV) : 18.1 (0.2)	85 distinct values		4643 (100%)	0 (0%)															
41	Blue_Fighter_Reach [numeric]	Mean (sd) : 183.9 (9.9) min < med < max: 152.4 < 182.9 < 216.1 IQR (CV) : 12.7 (0.1)	48 distinct values		4643 (100%)	0 (0%)															
42	Blue_Fighter_Stance [integer]	Mean (sd) : 2.4 (0.8) min < med < max: 1 < 2 < 5 IQR (CV) : 0 (0.3)	<table><tr><td>1:</td><td>9</td><td>( 0.2%)</td></tr><tr><td>2:</td><td>3567</td><td>( 76.8%)</td></tr><tr><td>3:</td><td>156</td><td>( 3.4%)</td></tr><tr><td>4:</td><td>908</td><td>(19.6%)</td></tr><tr><td>5:</td><td>3</td><td>( 0.1%)</td></tr></table>	1:	9	( 0.2%)	2:	3567	( 76.8%)	3:	156	( 3.4%)	4:	908	(19.6%)	5:	3	( 0.1%)		4643 (100%)	0 (0%)
1:	9	( 0.2%)																			
2:	3567	( 76.8%)																			
3:	156	( 3.4%)																			
4:	908	(19.6%)																			
5:	3	( 0.1%)																			
43	Red_Fighter_Age [integer]	Mean (sd) : 29.5 (4.1) min < med < max: 19 < 29 < 47 IQR (CV) : 5 (0.1)	29 distinct values		4643 (100%)	0 (0%)															
44	Blue_Fighter_Age [integer]	Mean (sd) : 29.2 (4.1) min < med < max: 18 < 29 < 51 IQR (CV) : 6 (0.1)	31 distinct values		4643 (100%)	0 (0%)															
45	Blue_wins [integer]	Mean (sd) : 2.6 (3.2) min < med < max: 0 < 1 < 22 IQR (CV) : 4 (1.3)	22 distinct values		4643 (100%)	0 (0%)															
46	Red_wins [integer]	Mean (sd) : 3.8 (3.8) min < med < max: 0 < 3 < 20 IQR (CV) : 5 (1)	21 distinct values		4643 (100%)	0 (0%)															

No	Variable	Stats / Values	Freqs (% of Valid)	Graph	Valid	Missing
47	Blue_losses [integer]	Mean (sd) : 1.5 (1.9) min < med < max: 0 < 1 < 13 IQR (CV) : 2 (1.2)	14 distinct values		4643 (100%)	0 (0%)
48	Red_losses [integer]	Mean (sd) : 2 (2.1) min < med < max: 0 < 1 < 14 IQR (CV) : 3 (1.1)	15 distinct values		4643 (100%)	0 (0%)
49	win_by_ [integer]	Mean (sd) : 2.8 (1.4) min < med < max: 1 < 3 < 8 IQR (CV) : 3 (0.5)	1: 1547 ( 33.3%) 3: 1624 ( 35.0%) 4: 976 ( 21.0%) 5: 448 ( 9.6%) 7: 34 ( 0.7%) 8: 14 ( 0.3%)		4643 (100%)	0 (0%)
50	Win_Model [integer]	Min : 0 Mean : 0.3 Max : 1	0: 3168 ( 68.2%) 1: 1475 ( 31.8%)		4643 (100%)	0 (0%)
51	R_fighter_ [integer]	Mean (sd) : 660.8 (376.1) min < med < max: 0 < 644 < 1312 IQR (CV) : 660 (0.6)	1209 distinct values		4643 (100%)	0 (0%)
52	B_fighter_ [integer]	Mean (sd) : 865.8 (507.1) min < med < max: 0 < 864 < 1749 IQR (CV) : 877 (0.6)	1582 distinct values		4643 (100%)	0 (0%)
53	Referee_ [integer]	Mean (sd) : 96.5 (45.1) min < med < max: 0 < 93 < 189 IQR (CV) : 58 (0.5)	187 distinct values		4643 (100%)	0 (0%)
54	location_ [integer]	Mean (sd) : 77.8 (39.2) min < med < max: 0 < 73 < 156 IQR (CV) : 52 (0.5)	157 distinct values		4643 (100%)	0 (0%)
55	Fight_type_ [integer]	Mean (sd) : 30.3 (42.7) min < med < max: 0 < 6 < 110 IQR (CV) : 39 (1.4)	91 distinct values		4643 (100%)	0 (0%)
56	Format_ [integer]	Mean (sd) : 13.1 (1.2) min < med < max: 0 < 13 < 16 IQR (CV) : 0 (0.1)	17 distinct values		4643 (100%)	0 (0%)
57	Winner_Code [integer]	Mean (sd) : 624.5 (366) min < med < max: 0 < 615 < 1257 IQR (CV) : 646 (0.6)	1158 distinct values		4643 (100%)	0 (0%)