

BSkyOpenNewDataset(datasetName='Dataset1')

Open Dataset

Linear Regression

[Chapter.10.IMB381IPL2013.1..xls.Modified.Data] -

C:\Users\KayElNino11\Downloads\Chapter 10 IMB381IPL2013 (1).xls

Model: *lm(formula = Sold_Price_US__ ~ Country + Team + PLAYING_ROLE + BAT + BOW + ALL + BAT_SR + BOW_ECO + BOW_SR_BL + BAT_RUN_S + BOW_WK_I + BAT_T_RUNS + BAT_ODI_RUNS + BOW_WK_O + T_RUNS + T_WKTS + ODI_RUNS + ODI_SR_B + ODI_WKTS + ODI_SR_BL + CAPTAINCY_EXP + INDIA + AUSTRALIA + OTHERS + ALL_SR_B + ALL_SR_BL + ALL_ECON + RUNS_S + HS + AVE + SR_B + SIXERS + RUNS_C + WKTS + AVE_BL + ECON + SR_BL, data = Chapter.10.IMB381IPL2013.1..xls.Modified.Data, na.action = na.exclude)*

LM Summary	LM Summary	LM Summary	LM Summary	LM Summary	LM Summary	LM Summary
Residual Std. Error	df	R-squared	Adjusted R- squared	F-statisti c	numdf	dendf
313904.6	74	0.6584	0.4046	2.5938	55	74
LM Summary						
p-value						
0.0001						

Residuals

Min	1Q	Median	3Q	Max
-582891.5	-169703.3	-2201.438	132744.8	811950.1

Coefficients

	Estimate	Std. Error	t value	Pr(> t)	2.5 %	97.5 %
(Intercept)	5088.104	351967.7	0.0145	0.9885	-696222.8	706399
CountryBAN	395404.5	826910.6	0.4782	0.6339	-1252251	2043060
CountryENG	818168	252381.3	3.2418	0.0018 **	315287.2	1321049
CountryIND	268807.5	115977.8	2.3177	0.0232 *	37716.69	499898.2
CountryNZ	274864.9	171697.2	1.6009	0.1137	-67249.3	616979.2
CountryPAK	-221631.2	177579.2	-1.2481	0.2159	-575465.5	132203.1
CountrySA	20583.19	131176	0.1569	0.8757	-240790.7	281957.1
CountrySL	120430	165260.8	0.7287	0.4685	-208859.4	449719.5
CountryWI	-222360.8	173920.6	-1.2785	0.2051	-568905.3	124183.7
CountryZIM	-260041	425756.4	-0.6108	0.5432	-1108379	588297.1
TeamCSK+	-1667.93	193233.8	-0.0086	0.9931	-386694.7	383358.8
TeamDC	244253.3	194779.7	1.254	0.2138	-143853.8	632360.4
TeamDC+	48138.1	158405.5	0.3039	0.7621	-267491.8	363767.9
TeamDD	448601.2	189809.5	2.3634	0.0207 *	70397.38	826804.9
TeamDD+	-81658.04	146571.5	-0.5571	0.5791	-373708	210392
TeamKKR	207139.3	244179.6	0.8483	0.399	-279399.2	693677.8
TeamKKR+	-40411.91	138126.9	-0.2926	0.7707	-315635.7	234811.9

	Estimate	Std. Error	t value	Pr(> t)	2.5 %	97.5 %
TeamKXI +	1047922	441264.6	2.3748	0.0202 *	168682.5	1927160
TeamKXI P	138040.5	227257.2	0.6074	0.5454	-314779.5	590860.4
TeamKXI P+	16444.08	173419.2	0.0948	0.9247	-329101.2	361989.3
TeamMI	206165.2	219372.5	0.9398	0.3504	-230944	643274.3
TeamMI +	87989.22	182334.4	0.4826	0.6308	-275320	451298.5
TeamRCB	361814.3	200123.2	1.808	0.0747 .	-36939.93	760568.6
TeamRCB+	27541.9	151272.8	0.1821	0.856	-273875.7	328959.5
TeamRR	285526.1	198260.9	1.4402	0.154	-109517.3	680569.5
TeamRR+	-57322.18	173617.7	-0.3302	0.7422	-403263.1	288618.7
PLAYING_RO LEBatsman	-53299.15	481520.1	-0.1107	0.9122	-1012749	906150.6
PLAYING_RO LEBowler	2203653	923276.2	2.3868	0.0196 *	363985.4	4043321
BAT	NA	NA	NA	NA	NA	NA
BOW	NA	NA	NA	NA	NA	NA
ALL	NA	NA	NA	NA	NA	NA
BAT_SR	1008.285	3383.023	0.298	0.7665	-5732.535	7749.105
BOW_ECO	-185454.7	98141.55	-1.8897	0.0627 .	-381006	10096.61
BOW_SR_BL	-21774.09	11842.2	-1.8387	0.07 .	-45370.19	1822.02
BAT_RUN_S	-23.9018	285.722	-0.0837	0.9336	-593.2153	545.4117
BOW_WK_I	227.3899	6419.657	0.0354	0.9718	-12564.06	13018.84
BAT_T_RUNS	132.1281	70.7424	1.8677	0.0658 .	-8.8293	273.0855
BAT_ODI_RU NS	-27.0221	58.9186	-0.4586	0.6478	-144.42	90.3758
BOW_WK_O	-2561.955	1217.335	-2.1046	0.0387 *	-4987.547	-136.3626
T_RUNS	-165.7466	65.7674	-2.5202	0.0139 *	-296.7911	-34.7022
T_WKTS	659.9487	686.4582	0.9614	0.3395	-707.8491	2027.746
ODI_RUNS	65.0457	52.4065	1.2412	0.2185	-39.3765	169.4679
ODI_SR_B	422.6931	1663.257	0.2541	0.8001	-2891.42	3736.806
ODI_WKTS	1807.796	1242.79	1.4546	0.15	-668.5172	4284.11
ODI_SR_BL	-798.5505	1581.649	-0.5049	0.6151	-3950.056	2352.955
CAPTAINCY_ EXP	130583.4	115210.1	1.1334	0.2607	-98977.6	360144.5
INDIA	NA	NA	NA	NA	NA	NA
AUSTRALIA	NA	NA	NA	NA	NA	NA
OTHERS	NA	NA	NA	NA	NA	NA
ALL_SR_B	-865.302	3202.908	-0.2702	0.7878	-7247.235	5516.631
ALL_SR_BL	13762.75	13401.68	1.0269	0.3078	-12940.68	40466.18
ALL_ECON	-25306.18	37360.32	-0.6774	0.5003	-99748.25	49135.89
RUNS_S	81.3335	331.0949	0.2457	0.8066	-578.3874	741.0544
HS	-4833.34	2645.817	-1.8268	0.0718 .	-10105.25	438.5659
AVE	22841.9	8273.396	2.7609	0.0073 **	6356.796	39327
SR__B	-2233.225	1376.845	-1.622	0.1091	-4976.649	510.1987
SIXERS	5107.614	3402.871	1.501	0.1376	-1672.754	11887.98
RUNS_C	673.572	337.0939	1.9982	0.0494 *	1.8977	1345.246
WKTS	-13527.58	10107.25	-1.3384	0.1849	-33666.71	6611.556
AVE_BL	21957.75	13020.5	1.6864	0.0959 .	-3986.162	47901.67
ECON	-8702.389	13231.77	-0.6577	0.5128	-35067.27	17662.49
SR__BL	-30958.69	19636.81	-1.5766	0.1192	-70085.89	8168.503

Note. Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Coefficients:

(1 observations deleted due to missing values)

(6 not defined because of singularities)

Anova Table

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Country	9	3283227139	3648030154	3.7022	<.001***
		287	76		
Team	16	2550670540	1594169087	1.6179	0.0851 .
		256	66		

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
PLAYING_ROLE	2	1088228225 395	5441141126 98	5.522	0.0058 **
BAT_SR	1	2961061649 05	2961061649 05	3.0051	0.0872 .
BOW_ECO	1	2046624699 23	2046624699 23	2.077	0.1537
BOW_SR_BL	1	1038025950 08	1038025950 08	1.0534	0.3081
BAT_RUN_S	1	9973700970 92	9973700970 92	10.1219	0.0021 **
BOW_WK_I	1	2197696789 78	2197696789 78	2.2303	0.1396
BAT_T_RUNS	1	2340115724 6	2340115724 6	0.2375	0.6275
BAT_ODI_RUNS	1	5980361918 65	5980361918 65	6.0692	0.0161 *
BOW_WK_O	1	2534411609 2	2534411609 2	0.2572	0.6136
T_RUNS	1	7571856352 91	7571856352 91	7.6843	0.007 **
T_WKTS	1	6133564301	6133564301	0.0622	0.8037
ODI_RUNS	1	8416982057 38	8416982057 38	8.542	0.0046 **
ODI_SR_B	1	1694010095 30	1694010095 30	1.7192	0.1939
ODI_WKTS	1	6891199844 8	6891199844 8	0.6994	0.4057
ODI_SR_BL	1	579906381	579906381	0.0059	0.9391
CAPTAINCY_EXP	1	1820929573 38	1820929573 38	1.848	0.1781
ALL_SR_B	1	3142588686 5	3142588686 5	0.3189	0.574
ALL_SR_BL	1	3166432217 4	3166432217 4	0.3213	0.5725
ALL_ECON	1	2494231314 51	2494231314 51	2.5313	0.1159
RUNS_S	1	7873174940 39	7873174940 39	7.9901	0.006 **
HS	1	7828722399 6	7828722399 6	0.7945	0.3756
AVE	1	4297115125 52	4297115125 52	4.361	0.0402 *
SR__B	1	1747871980 43	1747871980 43	1.7738	0.187
SIXERS	1	1463110096 91	1463110096 91	1.4848	0.2269
RUNS_C	1	9168854313 0	9168854313 0	0.9305	0.3379
WKTS	1	3294638625 26	3294638625 26	3.3436	0.0715 .
AVE_BL	1	2025386896 7	2025386896 7	0.2055	0.6516
ECON	1	2495083605 3	2495083605 3	0.2532	0.6163
SR__BL	1	2449169562 61	2449169562 61	2.4856	0.1192
Residuals	74	7291673031 945	9853612205 3	NA	NA

Note. Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Sum of squares Table

	Values
Sum of squares of Regression	8203031630826
Sum of squares of residuals	98536122053
Total sum of squares	8301567752879