

The Action 1 of 1997 o	bobblehead day_of_week_month 0 Based on above corretronger correlated to	0.02
the for registration would an intend and other explorating (continue). 2 paints data data decadedate Consider and Streamber Excesses 4 paints data data decadedate Consider and Streamber Excesses 5 paints data data data decadedate Consider and Streamber Excesses 5 paints data data data data data data data da	attend bobblehead day_of_week shirt temp opponent day fireworks day_night cap day_of_week_month skies month Name: attend, dty These are correlation head is distributed in	thod='pearson').iloc[2].sort_values (ascending=False) 1.000000 0.581895 0.147216 0.133269 0.098951 0.045021 0.027093 0.002094 -0.043544 -0.055002 th -0.128691 -0.150963 -0.152777 type: float64 In coef. values shows that bobblehead has highest value than other features with attend. That means if bein the marketing people attend the game more. Also, the day of the week corr.coef value is 0.15 which positive than the coef.
Enter a registral advanced to the control of the co	<pre># split data int X = dodgers[['max</pre>	conth', 'day', 'day_of_week', 'opponent', 'temp', 'skies', 'tht', 'cap', 'shirt', 'fireworks', 'bobblehead', 'day_of_week_month']] tend'] names ['month', 'day', 'day_of_week', 'opponent', 'temp', 'skies', 'tht', 'cap', 'shirt', 'fireworks', 'bobblehead', 'day_of_week_month'] e data to std scaler
Methods Last Solums F-statistic 4.724 Date: Fil. 17 Carg 2027 Prob F-statistid 2. Las-cols Time: 1517:3 Lag-Likelihood: 20.81 Di Reciduata: Al Bill 2379 Di Reciduata: Al Bill 2379 To Medel: 17 Covariance Type: Time T	<pre>X_features = pd. # use statsmode! import statsmode! model = sm.OLS(y # print the summ model.summary() Dep. Variable:</pre>	DataFrame(X,columns=feature_names) # to see features names in model summary l to run linear regression model els.api as sm y, sm.add_constant(X_features)).fit() mary of model result OLS Regression Results y R-squared: 0.455
temp 0.0574 0.138 0.423 0.674 - 0.212 0.133 temp 0.0674 0.138 0.423 0.674 - 0.214 0.329 skies -0.0951 0.112 - 0.849 0.399 - 0.319 0.128 day_night -0.1682 0.105 - 1.606 0.113 - 0.377 0.041 cap -0.0479 0.095 - 0.504 0.16 - 0.238 0.142 shirt 0.1655 0.094 1.760 0.083 -0.022 0.353 fireworks 0.2288 0.113 2.027 0.047 0.004 0.484 bobblehead 0.6507 0.104 6.265 0.000 0.443 0.656 day_of_week_month -0.8662 1.567 -0.514 0.809 -3.934 2.322 Omnibus: 1.977 Durbin-Watson: 2.086 crob(Omnibus): 0.372 Jarque-Bera (JB): 1.955 Skew: 0.360 Prob(JB): 0.376 Kurtosis: 2.753 Cond. No. 39.6 Cond. No. 39.6	Method: Date: F Time: No. Observations: Df Residuals: Df Model: Covariance Type: const month day	F-statistic: 4.724 Fri, 17 Dec 20/21 Prob (F-statistic): 1.49e-05 15:17:21 Log-Likelihood: -90.377 81 AIC: 206.8 BIC: 237.9 12 nonrobust coef std err t P> t [0.025] 0.975] t 1.579e-16 0.090 1.76e-15 1.000 -0.179 0.179 n 0.6911 1.591 0.434 0.665 -2.485 3.867 n -0.1015 0.099 -1.030 0.307 -0.298 0.095
Summary: Very like or engatively correlated with attendance. Along significant contribution to the model. Summary: Very like of an analysis performed so far on the Dodgers games data we see that the Tuesday is the day we saw highest attendance that manuals and August months Tuesdays we have done and suggest that day of week, months and temperatures are significant fluencing the attendance. Along, attendance is influence to run marketing promotion on Tuesday of the summer months June, july hen temperature is best suitable for the game.	opponent temp skies day_night cap shirt fireworks bobblehead day_of_week_month Omnibus: 1.9	t -0.0598
Executives making significant contribution to the model. Summary: verall, the analysis performed so far on the Dodgers games data we see that the Tuesday is the day we saw highest attendate game. June and August months Tuesdays we saw highest average attendance that means these months people prefer to be game. egression model supports the analysis we have done and suggest that day of week, months and temperatures are significant fluencing the attendance. Alos, attendance is influenced by promotions such as bobble head, fireworks and shirts. fterall, to improve attendace it would be great idea to run marketing promotion on Tuesday of the summer months June, july then temperature is best suitable for the game and people who prefer to attend game and offer bobblehead or fireworks or seem to be supported to the summer months.	Notes: 1] Standard Errors at Regression Reseased on above regror 45% variation in the features such as attendance. Other features means those relations and the seasons are allowed to	assume that the covariance matrix of the errors is correctly specified. PSUIT: ression result the value of the R-squared is 0.46, this means that the features we considered here are accepted the atteandace of the game and there are still 65% factors that may influence attendace of the game. s - day_of_week which has positive coefficient value means that this feature is positively correlated with eatures such as shirt, fireworks, bobblehead, temperature, month also shows positive relationship with eatures are the factors influence attendacne of the game. Rest of the features which have neagtive coare negatively correlated with attendance.
	Summary: Overall, the analysis he game. June and he game. Regression model sunfluencing the attentions and the sunfluencing the attentions.	s performed so far on the Dodgers games data we see that the Tuesday is the day we saw highest attendance that means these months people prefer to apport the analysis we have done and suggest that day of week, months and temperatures are significant and ance. Alos, attendance is influenced by promotions such as bobble head, fireworks and shirts.