#######################################################

Processing hashtag "#GoHawks"......

RMSE = 700.117466230265

OLS Regression Results

==============================================================================

Dep. Variable: target R-squared: 0.724

Model: OLS Adj. R-squared: 0.707

Method: Least Squares F-statistic: 44.66

Date: Sat, 10 Mar 2018 Prob (F-statistic): 1.19e-130

Time: 17:07:14 Log-Likelihood: -4614.7

No. Observations: 579 AIC: 9295.

Df Residuals: 546 BIC: 9439.

Df Model: 32

Covariance Type: nonrobust

=================================================================================

coef std err t P>|t| [0.025 0.975]

---------------------------------------------------------------------------------

num\_tweets -67.2442 4.190 -16.047 0.000 -75.476 -59.013

num\_retweets 13.4966 3.547 3.805 0.000 6.529 20.464

sum\_followers -0.0003 6.86e-05 -4.390 0.000 -0.000 -0.000

max\_followers 0.0002 0.000 1.234 0.218 -9.95e-05 0.000

num\_URLs 7.5628 1.508 5.016 0.000 4.601 10.525

num\_authors 4.5277 0.745 6.079 0.000 3.065 5.991

num\_mensions 2.8669 0.468 6.130 0.000 1.948 3.786

ranking\_score 13.5304 0.838 16.141 0.000 11.884 15.177

num\_hashtags 0.3588 0.329 1.091 0.276 -0.287 1.005

0th\_hour 54.3914 144.659 0.376 0.707 -229.764 338.547

1th\_hour -18.1857 144.375 -0.126 0.900 -301.784 265.413

2th\_hour 16.6854 144.484 0.115 0.908 -267.128 300.499

3th\_hour 14.8236 147.270 0.101 0.920 -274.461 304.108

4th\_hour -21.3342 147.266 -0.145 0.885 -310.611 267.943

5th\_hour -4.0843 147.593 -0.028 0.978 -294.005 285.836

6th\_hour -90.3962 148.223 -0.610 0.542 -381.552 200.760

7th\_hour -131.8647 149.518 -0.882 0.378 -425.565 161.835

8th\_hour -180.9324 152.608 -1.186 0.236 -480.702 118.837

9th\_hour -242.7575 152.420 -1.593 0.112 -542.158 56.643

10th\_hour -276.5702 154.535 -1.790 0.074 -580.126 26.986

11th\_hour -475.3761 155.993 -3.047 0.002 -781.795 -168.957

12th\_hour -452.4758 153.927 -2.940 0.003 -754.837 -150.115

13th\_hour -175.3495 152.959 -1.146 0.252 -475.809 125.110

14th\_hour 575.9658 153.188 3.760 0.000 275.056 876.876

15th\_hour -289.4265 154.147 -1.878 0.061 -592.219 13.366

16th\_hour -67.9202 151.560 -0.448 0.654 -365.632 229.791

17th\_hour 163.8076 152.011 1.078 0.282 -134.791 462.406

18th\_hour -156.5957 149.677 -1.046 0.296 -450.608 137.417

19th\_hour 12.6608 155.421 0.081 0.935 -292.636 317.957

20th\_hour -2.0205 151.888 -0.013 0.989 -300.378 296.337

21th\_hour -52.0524 150.618 -0.346 0.730 -347.913 243.808

22th\_hour 7.2817 148.972 0.049 0.961 -285.346 299.910

23th\_hour -2.1436 147.790 -0.015 0.988 -292.451 288.164

==============================================================================

Omnibus: 933.001 Durbin-Watson: 2.021

Prob(Omnibus): 0.000 Jarque-Bera (JB): 675766.335

Skew: 9.082 Prob(JB): 0.00

Kurtosis: 169.376 Cond. No. 1.92e+07

==============================================================================

Warnings:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

[2] The condition number is large, 1.92e+07. This might indicate that there are

strong multicollinearity or other numerical problems.

P values:

num\_tweets 9.329546e-48

num\_retweets 1.577650e-04

sum\_followers 1.363767e-05

max\_followers 2.177873e-01

num\_URLs 7.158163e-07

num\_authors 2.269332e-09

num\_mensions 1.687794e-09

ranking\_score 3.314710e-48

num\_hashtags 2.757178e-01

0th\_hour 7.070643e-01

1th\_hour 8.998089e-01

2th\_hour 9.081050e-01

3th\_hour 9.198603e-01

4th\_hour 8.848681e-01

5th\_hour 9.779332e-01

6th\_hour 5.422027e-01

7th\_hour 3.782004e-01

8th\_hour 2.362939e-01

9th\_hour 1.118080e-01

10th\_hour 7.405751e-02

11th\_hour 2.419756e-03

12th\_hour 3.425957e-03

13th\_hour 2.521388e-01

14th\_hour 1.883448e-04

15th\_hour 6.096794e-02

16th\_hour 6.542287e-01

17th\_hour 2.816873e-01

18th\_hour 2.959198e-01

19th\_hour 9.351051e-01

20th\_hour 9.893913e-01

21th\_hour 7.297813e-01

22th\_hour 9.610333e-01

23th\_hour 9.884331e-01

dtype: float64

T values:

num\_tweets -16.047053

num\_retweets 3.805114

sum\_followers -4.389606

max\_followers 1.233856

num\_URLs 5.015660

num\_authors 6.079238

num\_mensions 6.129760

ranking\_score 16.141492

num\_hashtags 1.091082

0th\_hour 0.375998

1th\_hour -0.125961

2th\_hour 0.115483

3th\_hour 0.100656

4th\_hour -0.144869

5th\_hour -0.027673

6th\_hour -0.609868

7th\_hour -0.881934

8th\_hour -1.185605

9th\_hour -1.592692

10th\_hour -1.789692

11th\_hour -3.047427

12th\_hour -2.939555

13th\_hour -1.146383

14th\_hour 3.759865

15th\_hour -1.877606

16th\_hour -0.448142

17th\_hour 1.077602

18th\_hour -1.046226

19th\_hour 0.081461

20th\_hour -0.013303

21th\_hour -0.345594

22th\_hour 0.048879

23th\_hour -0.014504

dtype: float64

The most 3 important features for #GoHawksare ...

p-value

ranking\_score 3.314710e-48

num\_tweets 9.329546e-48

num\_mensions 1.687794e-09

#######################################################

Processing hashtag "#GoPatriots"......

RMSE = 100.15289056780102

OLS Regression Results

==============================================================================

Dep. Variable: target R-squared: 0.894

Model: OLS Adj. R-squared: 0.888

Method: Least Squares F-statistic: 143.3

Date: Sat, 10 Mar 2018 Prob (F-statistic): 2.45e-241

Time: 17:08:10 Log-Likelihood: -3464.7

No. Observations: 575 AIC: 6995.

Df Residuals: 542 BIC: 7139.

Df Model: 32

Covariance Type: nonrobust

=================================================================================

coef std err t P>|t| [0.025 0.975]

---------------------------------------------------------------------------------

num\_tweets -8.0301 2.727 -2.944 0.003 -13.388 -2.672

num\_retweets -43.2781 2.608 -16.592 0.000 -48.402 -38.154

sum\_followers -0.0020 0.000 -9.179 0.000 -0.002 -0.002

max\_followers 0.0019 0.000 8.756 0.000 0.001 0.002

num\_URLs 13.5502 0.853 15.892 0.000 11.875 15.225

num\_authors -6.6753 0.593 -11.248 0.000 -7.841 -5.510

num\_mensions 3.1152 0.402 7.740 0.000 2.325 3.906

ranking\_score 2.2835 0.472 4.836 0.000 1.356 3.211

num\_hashtags 1.8346 0.315 5.823 0.000 1.216 2.453

0th\_hour -13.4494 21.067 -0.638 0.523 -54.832 27.934

1th\_hour -0.9546 21.060 -0.045 0.964 -42.325 40.415

2th\_hour -11.1825 21.073 -0.531 0.596 -52.578 30.213

3th\_hour 1.2885 21.079 0.061 0.951 -40.119 42.696

4th\_hour -11.0857 21.099 -0.525 0.600 -52.532 30.360

5th\_hour -12.2316 21.084 -0.580 0.562 -53.649 29.186

6th\_hour -30.7719 21.122 -1.457 0.146 -72.263 10.720

7th\_hour -17.9052 21.133 -0.847 0.397 -59.417 23.607

8th\_hour -23.6883 21.136 -1.121 0.263 -65.206 17.829

9th\_hour -28.8476 21.277 -1.356 0.176 -70.642 12.947

10th\_hour -50.5863 21.388 -2.365 0.018 -92.600 -8.573

11th\_hour -15.3564 21.620 -0.710 0.478 -57.826 27.114

12th\_hour 66.9282 21.341 3.136 0.002 25.006 108.850

13th\_hour 11.5140 21.887 0.526 0.599 -31.480 54.508

14th\_hour -39.9123 21.823 -1.829 0.068 -82.781 2.956

15th\_hour 37.0422 21.613 1.714 0.087 -5.414 79.498

16th\_hour -6.6506 21.945 -0.303 0.762 -49.759 36.458

17th\_hour -5.8325 21.765 -0.268 0.789 -48.586 36.921

18th\_hour -2.3024 21.274 -0.108 0.914 -44.093 39.488

19th\_hour -4.3360 21.109 -0.205 0.837 -45.801 37.129

20th\_hour 6.1273 21.077 0.291 0.771 -35.276 47.531

21th\_hour 15.0085 21.090 0.712 0.477 -26.419 56.436

22th\_hour -5.5452 21.062 -0.263 0.792 -46.918 35.828

23th\_hour -5.2516 21.517 -0.244 0.807 -47.519 37.016

==============================================================================

Omnibus: 606.578 Durbin-Watson: 2.125

Prob(Omnibus): 0.000 Jarque-Bera (JB): 119995.116

Skew: 4.265 Prob(JB): 0.00

Kurtosis: 73.255 Cond. No. 2.26e+06

==============================================================================

Warnings:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

[2] The condition number is large, 2.26e+06. This might indicate that there are

strong multicollinearity or other numerical problems.

P values:

num\_tweets 3.377311e-03

num\_retweets 2.681923e-50

sum\_followers 9.143321e-19

max\_followers 2.577612e-17

num\_URLs 5.793266e-47

num\_authors 1.587829e-26

num\_mensions 4.884546e-14

ranking\_score 1.729867e-06

num\_hashtags 9.906028e-09

0th\_hour 5.234749e-01

1th\_hour 9.638620e-01

2th\_hour 5.958776e-01

3th\_hour 9.512834e-01

4th\_hour 5.995134e-01

5th\_hour 5.620720e-01

6th\_hour 1.457388e-01

7th\_hour 3.972135e-01

8th\_hour 2.628787e-01

9th\_hour 1.757175e-01

10th\_hour 1.837252e-02

11th\_hour 4.778401e-01

12th\_hour 1.805205e-03

13th\_hour 5.990620e-01

14th\_hour 6.796447e-02

15th\_hour 8.712699e-02

16th\_hour 7.619635e-01

17th\_hour 7.888177e-01

18th\_hour 9.138596e-01

19th\_hour 8.373272e-01

20th\_hour 7.713871e-01

21th\_hour 4.769845e-01

22th\_hour 7.924348e-01

23th\_hour 8.072737e-01

dtype: float64

T values:

num\_tweets -2.944151

num\_retweets -16.592051

sum\_followers -9.178608

max\_followers 8.756102

num\_URLs 15.891813

num\_authors -11.248076

num\_mensions 7.740396

ranking\_score 4.835841

num\_hashtags 5.823074

0th\_hour -0.638412

1th\_hour -0.045329

2th\_hour -0.530652

3th\_hour 0.061124

4th\_hour -0.525409

5th\_hour -0.580124

6th\_hour -1.456843

7th\_hour -0.847279

8th\_hour -1.120778

9th\_hour -1.355831

10th\_hour -2.365180

11th\_hour -0.710273

12th\_hour 3.136065

13th\_hour 0.526060

14th\_hour -1.828896

15th\_hour 1.713856

16th\_hour -0.303056

17th\_hour -0.267979

18th\_hour -0.108222

19th\_hour -0.205412

20th\_hour 0.290706

21th\_hour 0.711655

22th\_hour -0.263280

23th\_hour -0.244064

dtype: float64

The most 3 important features for #GoPatriotsare ...

p-value

num\_retweets 2.681923e-50

num\_URLs 5.793266e-47

num\_authors 1.587829e-26

#######################################################

Processing hashtag "#NFL"......

RMSE = 426.97393700371094

OLS Regression Results

==============================================================================

Dep. Variable: target R-squared: 0.765

Model: OLS Adj. R-squared: 0.751

Method: Least Squares F-statistic: 56.25

Date: Sat, 10 Mar 2018 Prob (F-statistic): 8.37e-152

Time: 17:09:00 Log-Likelihood: -4388.2

No. Observations: 587 AIC: 8842.

Df Residuals: 554 BIC: 8987.

Df Model: 32

Covariance Type: nonrobust

=================================================================================

coef std err t P>|t| [0.025 0.975]

---------------------------------------------------------------------------------

num\_tweets -1.1317 1.496 -0.757 0.450 -4.070 1.806

num\_retweets -9.9461 2.517 -3.951 0.000 -14.891 -5.002

sum\_followers -2.376e-05 2.42e-05 -0.980 0.327 -7.14e-05 2.38e-05

max\_followers 1.302e-05 3.21e-05 0.405 0.686 -5.01e-05 7.62e-05

num\_URLs -0.4606 0.174 -2.648 0.008 -0.802 -0.119

num\_authors -4.4403 0.343 -12.962 0.000 -5.113 -3.767

num\_mensions 2.9480 0.644 4.574 0.000 1.682 4.214

ranking\_score 0.2665 0.307 0.867 0.386 -0.337 0.870

num\_hashtags 1.1542 0.083 13.882 0.000 0.991 1.318

0th\_hour -85.0332 91.043 -0.934 0.351 -263.866 93.799

1th\_hour -76.5635 90.406 -0.847 0.397 -254.144 101.017

2th\_hour -68.3849 89.549 -0.764 0.445 -244.283 107.513

3th\_hour 20.6908 89.562 0.231 0.817 -155.233 196.614

4th\_hour 67.9376 90.042 0.755 0.451 -108.929 244.804

5th\_hour 172.6458 89.976 1.919 0.056 -4.089 349.381

6th\_hour 236.0467 91.980 2.566 0.011 55.375 416.719

7th\_hour 180.6493 93.876 1.924 0.055 -3.748 365.047

8th\_hour 163.9958 96.150 1.706 0.089 -24.867 352.859

9th\_hour 120.3897 95.002 1.267 0.206 -66.219 306.998

10th\_hour 187.8101 94.409 1.989 0.047 2.366 373.254

11th\_hour 144.3960 99.966 1.444 0.149 -51.963 340.755

12th\_hour 95.9948 99.206 0.968 0.334 -98.871 290.860

13th\_hour 92.6347 97.977 0.945 0.345 -99.817 285.086

14th\_hour 530.2282 98.621 5.376 0.000 336.512 723.945

15th\_hour 50.4429 99.130 0.509 0.611 -144.275 245.160

16th\_hour 18.9676 96.550 0.196 0.844 -170.681 208.616

17th\_hour 189.4597 99.700 1.900 0.058 -6.376 385.295

18th\_hour 119.1781 97.274 1.225 0.221 -71.892 310.248

19th\_hour -59.1401 96.239 -0.615 0.539 -248.179 129.898

20th\_hour -50.2045 95.079 -0.528 0.598 -236.963 136.554

21th\_hour -64.2906 95.030 -0.677 0.499 -250.955 122.373

22th\_hour -167.6198 93.279 -1.797 0.073 -350.844 15.605

23th\_hour -131.1583 93.127 -1.408 0.160 -314.083 51.766

==============================================================================

Omnibus: 691.527 Durbin-Watson: 2.155

Prob(Omnibus): 0.000 Jarque-Bera (JB): 89935.999

Skew: 5.454 Prob(JB): 0.00

Kurtosis: 62.650 Cond. No. 4.42e+07

==============================================================================

Warnings:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

[2] The condition number is large, 4.42e+07. This might indicate that there are

strong multicollinearity or other numerical problems.

P values:

num\_tweets 4.495591e-01

num\_retweets 8.783207e-05

sum\_followers 3.272762e-01

max\_followers 6.855078e-01

num\_URLs 8.331178e-03

num\_authors 9.487487e-34

num\_mensions 5.904038e-06

ranking\_score 3.861195e-01

num\_hashtags 8.148776e-38

0th\_hour 3.507183e-01

1th\_hour 3.974251e-01

2th\_hour 4.453973e-01

3th\_hour 8.173839e-01

4th\_hour 4.508653e-01

5th\_hour 5.552243e-02

6th\_hour 1.054108e-02

7th\_hour 5.482516e-02

8th\_hour 8.863818e-02

9th\_hour 2.056048e-01

10th\_hour 4.715747e-02

11th\_hour 1.491789e-01

12th\_hour 3.336500e-01

13th\_hour 3.448283e-01

14th\_hour 1.121638e-07

15th\_hour 6.110576e-01

16th\_hour 8.443268e-01

17th\_hour 5.791203e-02

18th\_hour 2.210260e-01

19th\_hour 5.391302e-01

20th\_hour 5.976883e-01

21th\_hour 4.989885e-01

22th\_hour 7.288552e-02

23th\_hour 1.595777e-01

dtype: float64

T values:

num\_tweets -0.756687

num\_retweets -3.951143

sum\_followers -0.980482

max\_followers 0.405172

num\_URLs -2.647855

num\_authors -12.962474

num\_mensions 4.574162

ranking\_score 0.867362

num\_hashtags 13.881983

0th\_hour -0.933985

1th\_hour -0.846885

2th\_hour -0.763656

3th\_hour 0.231021

4th\_hour 0.754507

5th\_hour 1.918806

6th\_hour 2.566287

7th\_hour 1.924330

8th\_hour 1.705626

9th\_hour 1.267232

10th\_hour 1.989317

11th\_hour 1.444446

12th\_hour 0.967633

13th\_hour 0.945476

14th\_hour 5.376427

15th\_hour 0.508853

16th\_hour 0.196454

17th\_hour 1.900305

18th\_hour 1.225185

19th\_hour -0.614511

20th\_hour -0.528032

21th\_hour -0.676527

22th\_hour -1.796966

23th\_hour -1.408386

dtype: float64

The most 3 important features for #NFLare ...

p-value

num\_hashtags 8.148776e-38

num\_authors 9.487487e-34

num\_mensions 5.904038e-06

#######################################################

Processing hashtag "#Patriots"......

RMSE = 1840.1375511287067

OLS Regression Results

==============================================================================

Dep. Variable: target R-squared: 0.823

Model: OLS Adj. R-squared: 0.813

Method: Least Squares F-statistic: 80.43

Date: Sat, 10 Mar 2018 Prob (F-statistic): 1.65e-185

Time: 17:09:30 Log-Likelihood: -5245.7

No. Observations: 587 AIC: 1.056e+04

Df Residuals: 554 BIC: 1.070e+04

Df Model: 32

Covariance Type: nonrobust

=================================================================================

coef std err t P>|t| [0.025 0.975]

---------------------------------------------------------------------------------

num\_tweets -63.0835 4.992 -12.636 0.000 -72.889 -53.278

num\_retweets -27.0591 2.945 -9.188 0.000 -32.844 -21.274

sum\_followers 0.0004 5.7e-05 6.938 0.000 0.000 0.001

max\_followers -0.0006 0.000 -5.621 0.000 -0.001 -0.000

num\_URLs -5.0346 1.739 -2.895 0.004 -8.450 -1.619

num\_authors 2.2108 0.994 2.224 0.027 0.258 4.163

num\_mensions 7.0053 0.955 7.339 0.000 5.130 8.880

ranking\_score 11.0880 0.949 11.687 0.000 9.224 12.952

num\_hashtags 3.6577 0.413 8.852 0.000 2.846 4.469

0th\_hour 197.8735 381.113 0.519 0.604 -550.729 946.476

1th\_hour -65.4957 382.060 -0.171 0.864 -815.958 684.967

2th\_hour -36.3362 380.504 -0.095 0.924 -783.744 711.072

3th\_hour -156.8004 380.059 -0.413 0.680 -903.333 589.732

4th\_hour -114.6024 381.599 -0.300 0.764 -864.160 634.955

5th\_hour -164.1821 383.748 -0.428 0.669 -917.962 589.597

6th\_hour -331.3956 388.221 -0.854 0.394 -1093.961 431.169

7th\_hour -669.8187 392.247 -1.708 0.088 -1440.291 100.654

8th\_hour -756.3629 394.680 -1.916 0.056 -1531.615 18.889

9th\_hour -313.3698 405.646 -0.773 0.440 -1110.163 483.423

10th\_hour 972.2628 391.872 2.481 0.013 202.526 1741.999

11th\_hour -843.7053 401.738 -2.100 0.036 -1632.821 -54.590

12th\_hour -711.3069 403.419 -1.763 0.078 -1503.725 81.111

13th\_hour -581.7998 403.619 -1.441 0.150 -1374.610 211.010

14th\_hour -313.4766 407.543 -0.769 0.442 -1113.994 487.041

15th\_hour -562.1471 405.120 -1.388 0.166 -1357.906 233.612

16th\_hour -76.3642 404.922 -0.189 0.850 -871.734 719.006

17th\_hour 140.2104 401.606 0.349 0.727 -648.646 929.067

18th\_hour 345.9975 409.073 0.846 0.398 -457.527 1149.522

19th\_hour -362.4667 400.155 -0.906 0.365 -1148.473 423.540

20th\_hour 330.5370 402.736 0.821 0.412 -460.540 1121.614

21th\_hour -309.1792 397.389 -0.778 0.437 -1089.753 471.395

22th\_hour 151.0046 393.973 0.383 0.702 -622.860 924.869

23th\_hour 225.2162 392.846 0.573 0.567 -546.433 996.866

==============================================================================

Omnibus: 1036.548 Durbin-Watson: 1.905

Prob(Omnibus): 0.000 Jarque-Bera (JB): 1014783.857

Skew: 10.956 Prob(JB): 0.00

Kurtosis: 205.510 Cond. No. 6.69e+07

==============================================================================

Warnings:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

[2] The condition number is large, 6.69e+07. This might indicate that there are

strong multicollinearity or other numerical problems.

P values:

num\_tweets 2.423382e-32

num\_retweets 7.979424e-19

sum\_followers 1.112168e-11

max\_followers 3.007636e-08

num\_URLs 3.937402e-03

num\_authors 2.655707e-02

num\_mensions 7.729120e-13

ranking\_score 2.331112e-28

num\_hashtags 1.153019e-17

0th\_hour 6.038292e-01

1th\_hour 8.639499e-01

2th\_hour 9.239564e-01

3th\_hour 6.800821e-01

4th\_hour 7.640443e-01

5th\_hour 6.689352e-01

6th\_hour 3.936810e-01

7th\_hour 8.826225e-02

8th\_hour 5.582903e-02

9th\_hour 4.401361e-01

10th\_hour 1.339442e-02

11th\_hour 3.616809e-02

12th\_hour 7.841852e-02

13th\_hour 1.500201e-01

14th\_hour 4.421100e-01

15th\_hour 1.658146e-01

16th\_hour 8.504834e-01

17th\_hour 7.271287e-01

18th\_hour 3.980248e-01

19th\_hour 3.654271e-01

20th\_hour 4.121543e-01

21th\_hour 4.368857e-01

22th\_hour 7.016547e-01

23th\_hour 5.666782e-01

dtype: float64

T values:

num\_tweets -12.636398

num\_retweets -9.188057

sum\_followers 6.938247

max\_followers -5.621251

num\_URLs -2.895297

num\_authors 2.223907

num\_mensions 7.338616

ranking\_score 11.687026

num\_hashtags 8.852499

0th\_hour 0.519199

1th\_hour -0.171428

2th\_hour -0.095495

3th\_hour -0.412569

4th\_hour -0.300322

5th\_hour -0.427838

6th\_hour -0.853626

7th\_hour -1.707646

8th\_hour -1.916395

9th\_hour -0.772520

10th\_hour 2.481073

11th\_hour -2.100140

12th\_hour -1.763197

13th\_hour -1.441459

14th\_hour -0.769187

15th\_hour -1.387607

16th\_hour -0.188590

17th\_hour 0.349124

18th\_hour 0.845808

19th\_hour -0.905816

20th\_hour 0.820728

21th\_hour -0.778026

22th\_hour 0.383286

23th\_hour 0.573294

dtype: float64

The most 3 important features for #Patriotsare ...

p-value

num\_tweets 2.423382e-32

ranking\_score 2.331112e-28

num\_retweets 7.979424e-19

#######################################################

Processing hashtag "#SB49"......

RMSE = 3143.1473539568765

OLS Regression Results

==============================================================================

Dep. Variable: target R-squared: 0.902

Model: OLS Adj. R-squared: 0.896

Method: Least Squares F-statistic: 157.9

Date: Sat, 10 Mar 2018 Prob (F-statistic): 5.72e-254

Time: 17:10:08 Log-Likelihood: -5522.1

No. Observations: 583 AIC: 1.111e+04

Df Residuals: 550 BIC: 1.125e+04

Df Model: 32

Covariance Type: nonrobust

=================================================================================

coef std err t P>|t| [0.025 0.975]

---------------------------------------------------------------------------------

num\_tweets -62.3620 7.510 -8.304 0.000 -77.114 -47.610

num\_retweets 38.2823 16.974 2.255 0.025 4.940 71.624

sum\_followers 0.0002 2.08e-05 9.917 0.000 0.000 0.000

max\_followers -0.0004 6.51e-05 -6.221 0.000 -0.001 -0.000

num\_URLs 5.7079 1.908 2.992 0.003 1.960 9.456

num\_authors -2.3755 0.971 -2.446 0.015 -4.283 -0.468

num\_mensions 3.0465 1.066 2.857 0.004 0.952 5.141

ranking\_score 11.9501 1.512 7.906 0.000 8.981 14.919

num\_hashtags 2.4295 0.546 4.447 0.000 1.356 3.503

0th\_hour -165.0774 648.509 -0.255 0.799 -1438.935 1108.780

1th\_hour 48.1939 650.880 0.074 0.941 -1230.320 1326.708

2th\_hour -685.9166 652.544 -1.051 0.294 -1967.700 595.867

3th\_hour -831.8146 655.672 -1.269 0.205 -2119.742 456.113

4th\_hour -880.0948 661.754 -1.330 0.184 -2179.969 419.779

5th\_hour 1536.0553 658.248 2.334 0.020 243.068 2829.042

6th\_hour 234.3266 669.661 0.350 0.727 -1081.079 1549.732

7th\_hour -1771.5668 674.098 -2.628 0.009 -3095.688 -447.446

8th\_hour -1310.1479 668.042 -1.961 0.050 -2622.373 2.077

9th\_hour -885.5791 683.618 -1.295 0.196 -2228.400 457.242

10th\_hour -713.8312 678.722 -1.052 0.293 -2047.035 619.373

11th\_hour -334.9490 675.902 -0.496 0.620 -1662.615 992.717

12th\_hour -418.1016 682.315 -0.613 0.540 -1758.363 922.160

13th\_hour -797.8293 670.214 -1.190 0.234 -2114.322 518.663

14th\_hour -289.9327 676.372 -0.429 0.668 -1618.521 1038.655

15th\_hour -252.1275 667.650 -0.378 0.706 -1563.584 1059.329

16th\_hour 296.4913 666.397 0.445 0.657 -1012.503 1605.486

17th\_hour 396.5588 670.308 0.592 0.554 -920.118 1713.236

18th\_hour 139.2750 662.873 0.210 0.834 -1162.797 1441.347

19th\_hour 276.7323 663.295 0.417 0.677 -1026.170 1579.635

20th\_hour 221.8280 661.866 0.335 0.738 -1078.266 1521.922

21th\_hour 78.6283 660.838 0.119 0.905 -1219.446 1376.703

22th\_hour 33.6887 661.351 0.051 0.959 -1265.395 1332.773

23th\_hour -60.6663 661.336 -0.092 0.927 -1359.720 1238.387

==============================================================================

Omnibus: 991.551 Durbin-Watson: 1.577

Prob(Omnibus): 0.000 Jarque-Bera (JB): 850934.405

Skew: 10.136 Prob(JB): 0.00

Kurtosis: 189.062 Cond. No. 4.91e+08

==============================================================================

Warnings:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

[2] The condition number is large, 4.91e+08. This might indicate that there are

strong multicollinearity or other numerical problems.

P values:

num\_tweets 7.879917e-16

num\_retweets 2.450427e-02

sum\_followers 1.952924e-21

max\_followers 9.790209e-10

num\_URLs 2.899248e-03

num\_authors 1.475423e-02

num\_mensions 4.434342e-03

ranking\_score 1.463012e-14

num\_hashtags 1.055765e-05

0th\_hour 7.991664e-01

1th\_hour 9.410021e-01

2th\_hour 2.936549e-01

3th\_hour 2.051045e-01

4th\_hour 1.840883e-01

5th\_hour 1.997858e-02

6th\_hour 7.265340e-01

7th\_hour 8.827277e-03

8th\_hour 5.036247e-02

9th\_hour 1.957152e-01

10th\_hour 2.933860e-01

11th\_hour 6.204040e-01

12th\_hour 5.402821e-01

13th\_hour 2.343989e-01

14th\_hour 6.683394e-01

15th\_hour 7.058482e-01

16th\_hour 6.565548e-01

17th\_hour 5.543569e-01

18th\_hour 8.336611e-01

19th\_hour 6.766889e-01

20th\_hour 7.376355e-01

21th\_hour 9.053324e-01

22th\_hour 9.593925e-01

23th\_hour 9.269437e-01

dtype: float64

T values:

num\_tweets -8.303612

num\_retweets 2.255340

sum\_followers 9.916675

max\_followers -6.221009

num\_URLs 2.991640

num\_authors -2.446077

num\_mensions 2.857299

ranking\_score 7.905957

num\_hashtags 4.446627

0th\_hour -0.254549

1th\_hour 0.074044

2th\_hour -1.051142

3th\_hour -1.268645

4th\_hour -1.329943

5th\_hour 2.333552

6th\_hour 0.349918

7th\_hour -2.628056

8th\_hour -1.961177

9th\_hour -1.295430

10th\_hour -1.051729

11th\_hour -0.495558

12th\_hour -0.612769

13th\_hour -1.190410

14th\_hour -0.428659

15th\_hour -0.377634

16th\_hour 0.444917

17th\_hour 0.591607

18th\_hour 0.210108

19th\_hour 0.417208

20th\_hour 0.335156

21th\_hour 0.118983

22th\_hour 0.050939

23th\_hour -0.091733

dtype: float64

The most 3 important features for #SB49are ...

p-value

sum\_followers 1.952924e-21

num\_tweets 7.879917e-16

ranking\_score 1.463012e-14

#######################################################

Processing hashtag "#SuperBowl"......

RMSE = 4260.876213460498

OLS Regression Results

==============================================================================

Dep. Variable: target R-squared: 0.943

Model: OLS Adj. R-squared: 0.940

Method: Least Squares F-statistic: 286.4

Date: Sat, 10 Mar 2018 Prob (F-statistic): 1.36e-320

Time: 17:10:42 Log-Likelihood: -5728.8

No. Observations: 586 AIC: 1.152e+04

Df Residuals: 553 BIC: 1.167e+04

Df Model: 32

Covariance Type: nonrobust

=================================================================================

coef std err t P>|t| [0.025 0.975]

---------------------------------------------------------------------------------

num\_tweets -111.7023 4.908 -22.761 0.000 -121.342 -102.063

num\_retweets 48.3817 3.474 13.925 0.000 41.557 55.207

sum\_followers -0.0001 1.1e-05 -10.690 0.000 -0.000 -9.61e-05

max\_followers -7.19e-06 9.41e-05 -0.076 0.939 -0.000 0.000

num\_URLs 2.4611 0.608 4.045 0.000 1.266 3.656

num\_authors 15.7667 0.785 20.073 0.000 14.224 17.310

num\_mensions -13.8255 0.833 -16.606 0.000 -15.461 -12.190

ranking\_score 22.3118 0.990 22.547 0.000 20.368 24.256

num\_hashtags 1.7899 0.250 7.147 0.000 1.298 2.282

0th\_hour 650.9831 887.874 0.733 0.464 -1093.035 2395.001

1th\_hour 1004.6848 881.765 1.139 0.255 -727.333 2736.703

2th\_hour 172.0183 879.944 0.195 0.845 -1556.422 1900.459

3th\_hour 112.2364 884.318 0.127 0.899 -1624.796 1849.269

4th\_hour 663.0132 882.862 0.751 0.453 -1071.159 2397.186

5th\_hour 423.9448 890.243 0.476 0.634 -1324.727 2172.616

6th\_hour -346.4221 887.821 -0.390 0.697 -2090.336 1397.492

7th\_hour -1179.6425 895.216 -1.318 0.188 -2938.082 578.797

8th\_hour -833.1994 897.610 -0.928 0.354 -2596.341 929.942

9th\_hour -708.9208 897.564 -0.790 0.430 -2471.973 1054.131

10th\_hour -865.3510 921.721 -0.939 0.348 -2675.854 945.151

11th\_hour -158.8165 922.615 -0.172 0.863 -1971.075 1653.442

12th\_hour -27.3412 917.905 -0.030 0.976 -1830.348 1775.666

13th\_hour 803.5519 918.861 0.875 0.382 -1001.332 2608.436

14th\_hour 3179.5406 929.410 3.421 0.001 1353.934 5005.147

15th\_hour -239.1008 938.458 -0.255 0.799 -2082.480 1604.279

16th\_hour 1537.7769 934.802 1.645 0.101 -298.419 3373.973

17th\_hour 1407.0925 932.097 1.510 0.132 -423.792 3237.977

18th\_hour -330.7317 926.100 -0.357 0.721 -2149.836 1488.373

19th\_hour 48.6008 933.891 0.052 0.959 -1785.807 1883.009

20th\_hour -350.2424 908.766 -0.385 0.700 -2135.299 1434.814

21th\_hour 566.5183 906.024 0.625 0.532 -1213.151 2346.188

22th\_hour 574.2600 901.899 0.637 0.525 -1197.307 2345.827

23th\_hour 564.9300 907.577 0.622 0.534 -1217.791 2347.651

==============================================================================

Omnibus: 430.488 Durbin-Watson: 1.368

Prob(Omnibus): 0.000 Jarque-Bera (JB): 75438.479

Skew: 2.253 Prob(JB): 0.00

Kurtosis: 58.402 Cond. No. 7.85e+08

==============================================================================

Warnings:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

[2] The condition number is large, 7.85e+08. This might indicate that there are

strong multicollinearity or other numerical problems.

P values:

num\_tweets 2.017493e-81

num\_retweets 5.337485e-38

sum\_followers 2.258016e-24

max\_followers 9.391348e-01

num\_URLs 5.977705e-05

num\_authors 9.846646e-68

num\_mensions 1.528295e-50

ranking\_score 2.509496e-80

num\_hashtags 2.812801e-12

0th\_hour 4.637514e-01

1th\_hour 2.550288e-01

2th\_hour 8.450829e-01

3th\_hour 8.990509e-01

4th\_hour 4.529829e-01

5th\_hour 6.341111e-01

6th\_hour 6.965436e-01

7th\_hour 1.881436e-01

8th\_hour 3.536867e-01

9th\_hour 4.299671e-01

10th\_hour 3.482214e-01

11th\_hour 8.633925e-01

12th\_hour 9.762481e-01

13th\_hour 3.822207e-01

14th\_hour 6.699281e-04

15th\_hour 7.989874e-01

16th\_hour 1.005319e-01

17th\_hour 1.317171e-01

18th\_hour 7.211360e-01

19th\_hour 9.585147e-01

20th\_hour 7.000862e-01

21th\_hour 5.320455e-01

22th\_hour 5.245687e-01

23th\_hour 5.338964e-01

dtype: float64

T values:

num\_tweets -22.761408

num\_retweets 13.924823

sum\_followers -10.689776

max\_followers -0.076392

num\_URLs 4.044949

num\_authors 20.072980

num\_mensions -16.606335

ranking\_score 22.547280

num\_hashtags 7.147183

0th\_hour 0.733193

1th\_hour 1.139402

2th\_hour 0.195488

3th\_hour 0.126919

4th\_hour 0.750982

5th\_hour 0.476212

6th\_hour -0.390194

7th\_hour -1.317718

8th\_hour -0.928243

9th\_hour -0.789827

10th\_hour -0.938843

11th\_hour -0.172137

12th\_hour -0.029786

13th\_hour 0.874509

14th\_hour 3.421030

15th\_hour -0.254780

16th\_hour 1.645030

17th\_hour 1.509598

18th\_hour -0.357123

19th\_hour 0.052041

20th\_hour -0.385404

21th\_hour 0.625280

22th\_hour 0.636723

23th\_hour 0.622459

dtype: float64

The most 3 important features for #SuperBowlare ...

p-value

num\_tweets 2.017493e-81

ranking\_score 2.509496e-80

num\_authors 9.846646e-68

[Finished in 236.7s]