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

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

RMSE = 910.9921996805798

=========== t-test results: ============

OLS Regression Results

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

Dep. Variable: target\_value R-squared: 0.532

Model: OLS Adj. R-squared: 0.509

Method: Least Squares F-statistic: 23.19

Date: Sat, 10 Mar 2018 Prob (F-statistic): 1.44e-73

Time: 15:03:13 Log-Likelihood: -4767.2

No. Observations: 579 AIC: 9590.

Df Residuals: 551 BIC: 9712.

Df Model: 27

Covariance Type: nonrobust

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

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

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

num\_tweets 1.4237 0.164 8.659 0.000 1.101 1.747

num\_retweets -19.8237 3.889 -5.097 0.000 -27.463 -12.184

sum\_followers -0.0003 8.51e-05 -3.270 0.001 -0.000 -0.000

max\_followers 0.0002 0.000 1.126 0.261 -0.000 0.001

0th\_hour 16.9938 187.031 0.091 0.928 -350.387 384.375

1th\_hour 12.1762 186.821 0.065 0.948 -354.793 379.145

2th\_hour 3.2168 186.790 0.017 0.986 -363.691 370.124

3th\_hour 23.4880 190.666 0.123 0.902 -351.034 398.010

4th\_hour 34.2407 190.662 0.180 0.858 -340.273 408.754

5th\_hour 52.2219 190.884 0.274 0.785 -322.727 427.171

6th\_hour 120.2952 190.978 0.630 0.529 -254.838 495.428

7th\_hour 142.3044 190.957 0.745 0.456 -232.788 517.397

8th\_hour 205.6231 193.187 1.064 0.288 -173.850 585.096

9th\_hour 197.4692 191.701 1.030 0.303 -179.085 574.023

10th\_hour 324.2885 191.838 1.690 0.092 -52.535 701.112

11th\_hour 215.3796 191.699 1.124 0.262 -161.170 591.929

12th\_hour 17.7893 192.423 0.092 0.926 -360.182 395.761

13th\_hour 253.5218 192.556 1.317 0.189 -124.711 631.755

14th\_hour 999.8690 193.175 5.176 0.000 620.420 1379.318

15th\_hour -243.6088 198.152 -1.229 0.219 -632.835 145.618

16th\_hour 199.9072 193.022 1.036 0.301 -179.241 579.055

17th\_hour 172.4385 193.656 0.890 0.374 -207.955 552.832

18th\_hour -130.1525 192.812 -0.675 0.500 -508.889 248.583

19th\_hour -16.4555 197.652 -0.083 0.934 -404.699 371.788

20th\_hour 157.2451 193.179 0.814 0.416 -222.213 536.703

21th\_hour 85.4406 193.508 0.442 0.659 -294.662 465.543

22th\_hour 26.5137 191.449 0.138 0.890 -349.545 402.572

23th\_hour -7.8748 190.873 -0.041 0.967 -382.803 367.053

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

Omnibus: 854.260 Durbin-Watson: 2.193

Prob(Omnibus): 0.000 Jarque-Bera (JB): 683918.794

Skew: 7.479 Prob(JB): 0.00

Kurtosis: 170.706 Cond. No. 1.62e+07

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

Warnings:

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

[2] The condition number is large, 1.62e+07. This might indicate that there are

strong multicollinearity or other numerical problems.

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

P values:

num\_tweets 5.249441e-17

num\_retweets 4.744914e-07

sum\_followers 1.141717e-03

max\_followers 2.607242e-01

0th\_hour 9.276361e-01

1th\_hour 9.480579e-01

2th\_hour 9.862662e-01

3th\_hour 9.020025e-01

4th\_hour 8.575415e-01

5th\_hour 7.845103e-01

6th\_hour 5.290263e-01

7th\_hour 4.564584e-01

8th\_hour 2.876252e-01

9th\_hour 3.034199e-01

10th\_hour 9.151201e-02

11th\_hour 2.617010e-01

12th\_hour 9.263749e-01

13th\_hour 1.885149e-01

14th\_hour 3.181616e-07

15th\_hour 2.194461e-01

16th\_hour 3.008091e-01

17th\_hour 3.736187e-01

18th\_hour 4.999437e-01

19th\_hour 9.336788e-01

20th\_hour 4.160052e-01

21th\_hour 6.589981e-01

22th\_hour 8.899036e-01

23th\_hour 9.671063e-01

dtype: float64

T values:

num\_tweets 8.659436

num\_retweets -5.097228

sum\_followers -3.270232

max\_followers 1.125838

0th\_hour 0.090861

1th\_hour 0.065176

2th\_hour 0.017221

3th\_hour 0.123189

4th\_hour 0.179589

5th\_hour 0.273580

6th\_hour 0.629892

7th\_hour 0.745217

8th\_hour 1.064375

9th\_hour 1.030090

10th\_hour 1.690426

11th\_hour 1.123532

12th\_hour 0.092449

13th\_hour 1.316616

14th\_hour 5.175981

15th\_hour -1.229401

16th\_hour 1.035673

17th\_hour 0.890439

18th\_hour -0.675024

19th\_hour -0.083255

20th\_hour 0.813985

21th\_hour 0.441536

22th\_hour 0.138490

23th\_hour -0.041257

dtype: float64

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

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

RMSE = 188.2116004251095

=========== t-test results: ============

OLS Regression Results

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

Dep. Variable: target\_value R-squared: 0.627

Model: OLS Adj. R-squared: 0.608

Method: Least Squares F-statistic: 34.00

Date: Sat, 10 Mar 2018 Prob (F-statistic): 6.50e-99

Time: 15:03:13 Log-Likelihood: -3827.5

No. Observations: 575 AIC: 7711.

Df Residuals: 547 BIC: 7833.

Df Model: 27

Covariance Type: nonrobust

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

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

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

num\_tweets 0.2511 0.203 1.236 0.217 -0.148 0.650

num\_retweets -10.9993 3.836 -2.867 0.004 -18.535 -3.464

sum\_followers 0.0006 0.000 3.230 0.001 0.000 0.001

max\_followers -0.0007 0.000 -3.548 0.000 -0.001 -0.000

0th\_hour 3.1339 39.392 0.080 0.937 -74.245 80.512

1th\_hour 3.7415 39.391 0.095 0.924 -73.634 81.117

2th\_hour 6.1516 39.394 0.156 0.876 -71.231 83.535

3th\_hour 9.5014 39.413 0.241 0.810 -67.918 86.921

4th\_hour 10.9079 39.429 0.277 0.782 -66.543 88.359

5th\_hour 11.4425 39.409 0.290 0.772 -65.970 88.855

6th\_hour 9.7617 39.410 0.248 0.804 -67.651 87.174

7th\_hour 20.9183 39.428 0.531 0.596 -56.531 98.368

8th\_hour 15.4460 39.403 0.392 0.695 -61.953 92.845

9th\_hour 23.8400 39.557 0.603 0.547 -53.862 101.542

10th\_hour 14.1391 39.437 0.359 0.720 -63.328 91.606

11th\_hour 33.6158 40.157 0.837 0.403 -45.265 112.497

12th\_hour 119.8666 39.450 3.038 0.002 42.374 197.359

13th\_hour 49.6551 39.945 1.243 0.214 -28.810 128.120

14th\_hour -22.2959 40.144 -0.555 0.579 -101.151 56.559

15th\_hour 112.0844 39.919 2.808 0.005 33.671 190.497

16th\_hour 80.0945 39.711 2.017 0.044 2.089 158.100

17th\_hour -122.2721 39.740 -3.077 0.002 -200.335 -44.210

18th\_hour 13.7698 39.708 0.347 0.729 -64.229 91.769

19th\_hour 7.9766 39.415 0.202 0.840 -69.447 85.400

20th\_hour 7.8640 39.419 0.199 0.842 -69.567 85.295

21th\_hour 6.7570 39.440 0.171 0.864 -70.715 84.229

22th\_hour 2.7549 39.393 0.070 0.944 -74.625 80.135

23th\_hour 2.9905 40.239 0.074 0.941 -76.051 82.032

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

Omnibus: 272.512 Durbin-Watson: 2.136

Prob(Omnibus): 0.000 Jarque-Bera (JB): 358447.958

Skew: -0.297 Prob(JB): 0.00

Kurtosis: 125.315 Cond. No. 2.16e+06

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

Warnings:

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

[2] The condition number is large, 2.16e+06. This might indicate that there are

strong multicollinearity or other numerical problems.

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

P values:

num\_tweets 0.217032

num\_retweets 0.004301

sum\_followers 0.001312

max\_followers 0.000421

0th\_hour 0.936619

1th\_hour 0.924361

2th\_hour 0.875970

3th\_hour 0.809590

4th\_hour 0.782157

5th\_hour 0.771659

6th\_hour 0.804461

7th\_hour 0.595951

8th\_hour 0.695210

9th\_hour 0.546974

10th\_hour 0.720091

11th\_hour 0.402898

12th\_hour 0.002492

13th\_hour 0.214371

14th\_hour 0.578848

15th\_hour 0.005166

16th\_hour 0.044192

17th\_hour 0.002197

18th\_hour 0.728895

19th\_hour 0.839700

20th\_hour 0.841948

21th\_hour 0.864031

22th\_hour 0.944272

23th\_hour 0.940784

T values:

num\_tweets 1.235883

num\_retweets -2.867217

sum\_followers 3.230065

max\_followers -3.548034

0th\_hour 0.079557

1th\_hour 0.094986

2th\_hour 0.156153

3th\_hour 0.241072

4th\_hour 0.276646

5th\_hour 0.290350

6th\_hour 0.247698

7th\_hour 0.530542

8th\_hour 0.392001

9th\_hour 0.602676

10th\_hour 0.358521

11th\_hour 0.837107

12th\_hour 3.038409

13th\_hour 1.243081

14th\_hour -0.555401

15th\_hour 2.807810

16th\_hour 2.016915

17th\_hour -3.076767

18th\_hour 0.346774

19th\_hour 0.202373

20th\_hour 0.199497

21th\_hour 0.171325

22th\_hour 0.069934

23th\_hour 0.074318

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

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

RMSE = 567.1052814025201

=========== t-test results: ============

OLS Regression Results

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

Dep. Variable: target\_value R-squared: 0.585

Model: OLS Adj. R-squared: 0.565

Method: Least Squares F-statistic: 29.17

Date: Sat, 10 Mar 2018 Prob (F-statistic): 7.38e-89

Time: 15:03:13 Log-Likelihood: -4554.8

No. Observations: 587 AIC: 9166.

Df Residuals: 559 BIC: 9288.

Df Model: 27

Covariance Type: nonrobust

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

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

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

num\_tweets 0.4752 0.103 4.601 0.000 0.272 0.678

num\_retweets -1.5832 2.807 -0.564 0.573 -7.096 3.930

sum\_followers 7.315e-05 2.65e-05 2.756 0.006 2.1e-05 0.000

max\_followers -9.432e-05 3.7e-05 -2.547 0.011 -0.000 -2.16e-05

0th\_hour 56.3083 116.806 0.482 0.630 -173.124 285.741

1th\_hour 67.4735 116.873 0.577 0.564 -162.091 297.038

2th\_hour 76.3124 116.595 0.655 0.513 -152.705 305.330

3th\_hour 92.3850 116.643 0.792 0.429 -136.727 321.497

4th\_hour 83.8884 116.783 0.718 0.473 -145.500 313.276

5th\_hour 169.5487 116.801 1.452 0.147 -59.874 398.971

6th\_hour 196.7151 117.237 1.678 0.094 -33.563 426.993

7th\_hour 149.7344 117.061 1.279 0.201 -80.199 379.668

8th\_hour 166.4218 117.790 1.413 0.158 -64.943 397.787

9th\_hour 120.6821 117.350 1.028 0.304 -109.818 351.182

10th\_hour 237.9457 117.583 2.024 0.043 6.986 468.905

11th\_hour 244.0414 120.708 2.022 0.044 6.945 481.138

12th\_hour 83.3442 120.386 0.692 0.489 -153.121 319.809

13th\_hour 220.2633 121.927 1.807 0.071 -19.229 459.755

14th\_hour 634.0510 121.109 5.235 0.000 396.167 871.934

15th\_hour 15.7214 123.964 0.127 0.899 -227.771 259.213

16th\_hour 269.0316 122.193 2.202 0.028 29.018 509.045

17th\_hour 218.6963 125.524 1.742 0.082 -27.860 465.253

18th\_hour 283.3371 122.493 2.313 0.021 42.734 523.940

19th\_hour -198.0234 122.052 -1.622 0.105 -437.760 41.713

20th\_hour 86.8392 120.082 0.723 0.470 -149.027 322.706

21th\_hour 81.4536 119.888 0.679 0.497 -154.032 316.939

22th\_hour 33.0973 119.432 0.277 0.782 -201.494 267.688

23th\_hour 63.9559 119.234 0.536 0.592 -170.245 298.156

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

Omnibus: 581.889 Durbin-Watson: 2.364

Prob(Omnibus): 0.000 Jarque-Bera (JB): 286567.909

Skew: 3.503 Prob(JB): 0.00

Kurtosis: 111.016 Cond. No. 2.97e+07

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

Warnings:

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

[2] The condition number is large, 2.97e+07. This might indicate that there are

strong multicollinearity or other numerical problems.

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

P values:

num\_tweets 5.202953e-06

num\_retweets 5.729409e-01

sum\_followers 6.040466e-03

max\_followers 1.113151e-02

0th\_hour 6.299479e-01

1th\_hour 5.639550e-01

2th\_hour 5.130521e-01

3th\_hour 4.286772e-01

4th\_hour 4.728576e-01

5th\_hour 1.471726e-01

6th\_hour 9.391927e-02

7th\_hour 2.013874e-01

8th\_hour 1.582512e-01

9th\_hour 3.042081e-01

10th\_hour 4.348326e-02

11th\_hour 4.367808e-02

12th\_hour 4.890328e-01

13th\_hour 7.137615e-02

14th\_hour 2.333895e-07

15th\_hour 8.991269e-01

16th\_hour 2.809471e-02

17th\_hour 8.201196e-02

18th\_hour 2.107983e-02

19th\_hour 1.052705e-01

20th\_hour 4.698793e-01

21th\_hour 4.971567e-01

22th\_hour 7.817891e-01

23th\_hour 5.919009e-01

T values:

num\_tweets 4.601158

num\_retweets -0.564058

sum\_followers 2.756098

max\_followers -2.547021

0th\_hour 0.482066

1th\_hour 0.577321

2th\_hour 0.654511

3th\_hour 0.792033

4th\_hour 0.718324

5th\_hour 1.451604

6th\_hour 1.677932

7th\_hour 1.279115

8th\_hour 1.412868

9th\_hour 1.028397

10th\_hour 2.023632

11th\_hour 2.021750

12th\_hour 0.692306

13th\_hour 1.806511

14th\_hour 5.235393

15th\_hour 0.126822

16th\_hour 2.201694

17th\_hour 1.742266

18th\_hour 2.313089

19th\_hour -1.622452

20th\_hour 0.723168

21th\_hour 0.679414

22th\_hour 0.277122

23th\_hour 0.536392

dtype: float64

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

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

RMSE = 2302.118322202846

=========== t-test results: ============

OLS Regression Results

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

Dep. Variable: target\_value R-squared: 0.723

Model: OLS Adj. R-squared: 0.709

Method: Least Squares F-statistic: 53.98

Date: Sat, 10 Mar 2018 Prob (F-statistic): 9.92e-137

Time: 15:03:13 Log-Likelihood: -5377.2

No. Observations: 587 AIC: 1.081e+04

Df Residuals: 559 BIC: 1.093e+04

Df Model: 27

Covariance Type: nonrobust

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

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

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

num\_tweets 0.8230 0.039 21.051 0.000 0.746 0.900

num\_retweets -19.7359 3.548 -5.562 0.000 -26.706 -12.766

sum\_followers 3.505e-05 2.54e-05 1.382 0.168 -1.48e-05 8.49e-05

max\_followers 0.0001 9.69e-05 1.402 0.161 -5.45e-05 0.000

0th\_hour 59.0273 472.067 0.125 0.901 -868.216 986.270

1th\_hour 47.4428 471.927 0.101 0.920 -879.524 974.409

2th\_hour 50.7466 471.983 0.108 0.914 -876.330 977.823

3th\_hour 77.6890 472.291 0.164 0.869 -849.993 1005.371

4th\_hour 79.4322 473.004 0.168 0.867 -849.650 1008.515

5th\_hour 76.4594 474.558 0.161 0.872 -855.676 1008.594

6th\_hour 70.7354 473.728 0.149 0.881 -859.769 1001.240

7th\_hour 21.2432 476.106 0.045 0.964 -913.932 956.419

8th\_hour 96.7734 473.981 0.204 0.838 -834.228 1027.774

9th\_hour 500.0589 474.386 1.054 0.292 -431.738 1431.856

10th\_hour 1805.4470 474.871 3.802 0.000 872.696 2738.198

11th\_hour -44.4154 487.337 -0.091 0.927 -1001.651 912.820

12th\_hour -306.7086 489.203 -0.627 0.531 -1267.609 654.192

13th\_hour 31.0503 488.518 0.064 0.949 -928.505 990.606

14th\_hour 435.8040 491.708 0.886 0.376 -530.017 1401.625

15th\_hour -78.9151 492.324 -0.160 0.873 -1045.946 888.115

16th\_hour -463.0496 498.382 -0.929 0.353 -1441.979 515.880

17th\_hour 1203.5731 486.460 2.474 0.014 248.061 2159.085

18th\_hour -92.8105 490.764 -0.189 0.850 -1056.778 871.157

19th\_hour -841.7744 484.449 -1.738 0.083 -1793.337 109.788

20th\_hour 271.5677 491.369 0.553 0.581 -693.587 1236.722

21th\_hour 68.8244 483.349 0.142 0.887 -880.578 1018.226

22th\_hour 95.4799 482.402 0.198 0.843 -852.062 1043.022

23th\_hour 28.7491 482.046 0.060 0.952 -918.094 975.593

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

Omnibus: 974.392 Durbin-Watson: 1.943

Prob(Omnibus): 0.000 Jarque-Bera (JB): 835105.074

Skew: 9.619 Prob(JB): 0.00

Kurtosis: 186.777 Cond. No. 5.27e+07

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

Warnings:

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

[2] The condition number is large, 5.27e+07. This might indicate that there are

strong multicollinearity or other numerical problems.

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

P values:

num\_tweets 6.991804e-73

num\_retweets 4.140126e-08

sum\_followers 1.676426e-01

max\_followers 1.614308e-01

0th\_hour 9.005368e-01

1th\_hour 9.199596e-01

2th\_hour 9.144167e-01

3th\_hour 8.694018e-01

4th\_hour 8.666980e-01

5th\_hour 8.720595e-01

6th\_hour 8.813577e-01

7th\_hour 9.644272e-01

8th\_hour 8.382938e-01

9th\_hour 2.922844e-01

10th\_hour 1.593389e-04

11th\_hour 9.274148e-01

12th\_hour 5.309443e-01

13th\_hour 9.493431e-01

14th\_hour 3.758333e-01

15th\_hour 8.727096e-01

16th\_hour 3.532349e-01

17th\_hour 1.365125e-02

18th\_hour 8.500720e-01

19th\_hour 8.283357e-02

20th\_hour 5.807061e-01

21th\_hour 8.868227e-01

22th\_hour 8.431750e-01

23th\_hour 9.524639e-01

dtype: float64

T values:

num\_tweets 21.051240

num\_retweets -5.561936

sum\_followers 1.381613

max\_followers 1.402132

0th\_hour 0.125040

1th\_hour 0.100530

2th\_hour 0.107518

3th\_hour 0.164494

4th\_hour 0.167931

5th\_hour 0.161117

6th\_hour 0.149317

7th\_hour 0.044619

8th\_hour 0.204172

9th\_hour 1.054118

10th\_hour 3.801970

11th\_hour -0.091139

12th\_hour -0.626956

13th\_hour 0.063560

14th\_hour 0.886307

15th\_hour -0.160291

16th\_hour -0.929107

17th\_hour 2.474147

18th\_hour -0.189114

19th\_hour -1.737591

20th\_hour 0.552676

21th\_hour 0.142391

22th\_hour 0.197926

23th\_hour 0.059640

dtype: float64

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

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

RMSE = 3799.8433322883743

=========== t-test results: ============

OLS Regression Results

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

Dep. Variable: target\_value R-squared: 0.857

Model: OLS Adj. R-squared: 0.850

Method: Least Squares F-statistic: 122.7

Date: Sat, 10 Mar 2018 Prob (F-statistic): 3.81e-214

Time: 15:03:14 Log-Likelihood: -5632.7

No. Observations: 583 AIC: 1.132e+04

Df Residuals: 555 BIC: 1.144e+04

Df Model: 27

Covariance Type: nonrobust

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

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

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

num\_tweets 0.9414 0.030 31.904 0.000 0.883 0.999

num\_retweets -75.1845 10.554 -7.124 0.000 -95.916 -54.453

sum\_followers 3.355e-06 4.49e-06 0.748 0.455 -5.46e-06 1.22e-05

max\_followers 0.0002 4.15e-05 4.185 0.000 9.23e-05 0.000

0th\_hour -70.8379 780.105 -0.091 0.928 -1603.158 1461.482

1th\_hour -102.1442 782.115 -0.131 0.896 -1638.412 1434.124

2th\_hour -164.2185 782.418 -0.210 0.834 -1701.082 1372.645

3th\_hour -197.2752 782.395 -0.252 0.801 -1734.093 1339.542

4th\_hour -256.9267 786.731 -0.327 0.744 -1802.261 1288.407

5th\_hour 2494.5636 785.829 3.174 0.002 951.000 4038.127

6th\_hour 1319.3125 785.055 1.681 0.093 -222.729 2861.354

7th\_hour -1295.7993 807.914 -1.604 0.109 -2882.742 291.144

8th\_hour -1039.8350 803.523 -1.294 0.196 -2618.153 538.483

9th\_hour 30.3122 819.470 0.037 0.971 -1579.329 1639.953

10th\_hour -182.7876 809.576 -0.226 0.821 -1772.996 1407.421

11th\_hour 205.5069 804.837 0.255 0.799 -1375.392 1786.406

12th\_hour -430.8907 817.501 -0.527 0.598 -2036.664 1174.883

13th\_hour -1031.0163 804.730 -1.281 0.201 -2611.704 549.672

14th\_hour -1397.9380 797.865 -1.752 0.080 -2965.143 169.267

15th\_hour -65.5140 799.750 -0.082 0.935 -1636.421 1505.393

16th\_hour -50.2012 799.358 -0.063 0.950 -1620.339 1519.936

17th\_hour -292.5488 803.164 -0.364 0.716 -1870.161 1285.063

18th\_hour -59.0724 795.882 -0.074 0.941 -1622.381 1504.237

19th\_hour -174.8924 797.157 -0.219 0.826 -1740.706 1390.921

20th\_hour -136.8856 795.658 -0.172 0.863 -1699.754 1425.983

21th\_hour -6.9382 795.166 -0.009 0.993 -1568.841 1554.965

22th\_hour 40.7550 795.142 0.051 0.959 -1521.100 1602.610

23th\_hour 41.0264 795.259 0.052 0.959 -1521.059 1603.112

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

Omnibus: 945.198 Durbin-Watson: 1.327

Prob(Omnibus): 0.000 Jarque-Bera (JB): 749151.776

Skew: 9.166 Prob(JB): 0.00

Kurtosis: 177.653 Cond. No. 4.82e+08

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

Warnings:

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

[2] The condition number is large, 4.82e+08. This might indicate that there are

strong multicollinearity or other numerical problems.

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

P values:

num\_tweets 1.210368e-127

num\_retweets 3.279663e-12

sum\_followers 4.550319e-01

max\_followers 3.319350e-05

0th\_hour 9.276799e-01

1th\_hour 8.961391e-01

2th\_hour 8.338338e-01

3th\_hour 8.010241e-01

4th\_hour 7.441124e-01

5th\_hour 1.584506e-03

6th\_hour 9.341582e-02

7th\_hour 1.093088e-01

8th\_hour 1.961708e-01

9th\_hour 9.705063e-01

10th\_hour 8.214542e-01

11th\_hour 7.985552e-01

12th\_hour 5.983466e-01

13th\_hour 2.006599e-01

14th\_hour 8.030923e-02

15th\_hour 9.347413e-01

16th\_hour 9.499469e-01

17th\_hour 7.158134e-01

18th\_hour 9.408601e-01

19th\_hour 8.264228e-01

20th\_hour 8.634681e-01

21th\_hour 9.930413e-01

22th\_hour 9.591407e-01

23th\_hour 9.588750e-01

T values:

num\_tweets 31.904034

num\_retweets -7.123533

sum\_followers 0.747577

max\_followers 4.184694

0th\_hour -0.090806

1th\_hour -0.130600

2th\_hour -0.209886

3th\_hour -0.252143

4th\_hour -0.326575

5th\_hour 3.174434

6th\_hour 1.680536

7th\_hour -1.603883

8th\_hour -1.294095

9th\_hour 0.036990

10th\_hour -0.225782

11th\_hour 0.255340

12th\_hour -0.527083

13th\_hour -1.281196

14th\_hour -1.752098

15th\_hour -0.081918

16th\_hour -0.062802

17th\_hour -0.364246

18th\_hour -0.074223

19th\_hour -0.219395

20th\_hour -0.172041

21th\_hour -0.008725

22th\_hour 0.051255

23th\_hour 0.051589

dtype: float64

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

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

RMSE = 6433.372471300713

=========== t-test results: ============

OLS Regression Results

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

Dep. Variable: target\_value R-squared: 0.870

Model: OLS Adj. R-squared: 0.864

Method: Least Squares F-statistic: 138.6

Date: Sat, 10 Mar 2018 Prob (F-statistic): 1.86e-227

Time: 15:03:14 Log-Likelihood: -5970.3

No. Observations: 586 AIC: 1.200e+04

Df Residuals: 558 BIC: 1.212e+04

Df Model: 27

Covariance Type: nonrobust

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

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

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

num\_tweets 2.2978 0.084 27.221 0.000 2.132 2.464

num\_retweets -3.9616 1.741 -2.275 0.023 -7.381 -0.542

sum\_followers -0.0002 1.2e-05 -19.193 0.000 -0.000 -0.000

max\_followers 0.0011 0.000 9.488 0.000 0.001 0.001

0th\_hour -1152.9725 1329.978 -0.867 0.386 -3765.347 1459.402

1th\_hour -523.1336 1320.899 -0.396 0.692 -3117.676 2071.408

2th\_hour -320.5041 1321.701 -0.242 0.808 -2916.622 2275.614

3th\_hour -754.8762 1327.757 -0.569 0.570 -3362.888 1853.136

4th\_hour -325.6118 1322.931 -0.246 0.806 -2924.144 2272.921

5th\_hour -656.1878 1335.849 -0.491 0.623 -3280.096 1967.720

6th\_hour -210.0972 1330.078 -0.158 0.875 -2822.669 2402.474

7th\_hour -707.7970 1337.028 -0.529 0.597 -3334.019 1918.425

8th\_hour -50.0254 1340.333 -0.037 0.970 -2682.741 2582.690

9th\_hour -659.1034 1337.665 -0.493 0.622 -3286.578 1968.371

10th\_hour -954.4856 1376.758 -0.693 0.488 -3658.747 1749.776

11th\_hour -460.5540 1373.900 -0.335 0.738 -3159.202 2238.094

12th\_hour -182.9047 1365.986 -0.134 0.894 -2866.008 2500.198

13th\_hour 981.7322 1375.887 0.714 0.476 -1720.818 3684.283

14th\_hour 5249.6969 1390.505 3.775 0.000 2518.433 7980.961

15th\_hour -2006.0965 1395.997 -1.437 0.151 -4748.148 735.955

16th\_hour -1450.4399 1388.073 -1.045 0.297 -4176.926 1276.047

17th\_hour 24.4359 1389.325 0.018 0.986 -2704.509 2753.381

18th\_hour -2880.8218 1370.936 -2.101 0.036 -5573.647 -187.997

19th\_hour -3352.1905 1369.294 -2.448 0.015 -6041.791 -662.590

20th\_hour -1327.1132 1361.904 -0.974 0.330 -4002.199 1347.972

21th\_hour -1105.3829 1355.967 -0.815 0.415 -3768.806 1558.040

22th\_hour -799.4634 1351.176 -0.592 0.554 -3453.476 1854.549

23th\_hour -1423.8574 1358.102 -1.048 0.295 -4091.475 1243.760

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

Omnibus: 1121.631 Durbin-Watson: 1.721

Prob(Omnibus): 0.000 Jarque-Bera (JB): 1763400.781

Skew: 12.869 Prob(JB): 0.00

Kurtosis: 270.505 Cond. No. 7.60e+08

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

Warnings:

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

[2] The condition number is large, 7.6e+08. This might indicate that there are

strong multicollinearity or other numerical problems.

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P values:

num\_tweets 1.848781e-104

num\_retweets 2.325511e-02

sum\_followers 2.015395e-63

max\_followers 6.763354e-20

0th\_hour 3.863633e-01

1th\_hour 6.922242e-01

2th\_hour 8.084868e-01

3th\_hour 5.699004e-01

4th\_hour 8.056728e-01

5th\_hour 6.234683e-01

6th\_hour 8.745466e-01

7th\_hour 5.967517e-01

8th\_hour 9.702408e-01

9th\_hour 6.223995e-01

10th\_hour 4.884192e-01

11th\_hour 7.375877e-01

12th\_hour 8.935304e-01

13th\_hour 4.758181e-01

14th\_hour 1.768838e-04

15th\_hour 1.512686e-01

16th\_hour 2.965074e-01

17th\_hour 9.859736e-01

18th\_hour 3.605768e-02

19th\_hour 1.466744e-02

20th\_hour 3.302533e-01

21th\_hour 4.153061e-01

22th\_hour 5.543047e-01

23th\_hour 2.949004e-01

dtype: float64

T values:

num\_tweets 27.220695

num\_retweets -2.275486

sum\_followers -19.193210

max\_followers 9.487883

0th\_hour -0.866911

1th\_hour -0.396044

2th\_hour -0.242494

3th\_hour -0.568535

4th\_hour -0.246129

5th\_hour -0.491214

6th\_hour -0.157959

7th\_hour -0.529381

8th\_hour -0.037323

9th\_hour -0.492727

10th\_hour -0.693285

11th\_hour -0.335217

12th\_hour -0.133899

13th\_hour 0.713527

14th\_hour 3.775389

15th\_hour -1.437035

16th\_hour -1.044931

17th\_hour 0.017588

18th\_hour -2.101355

19th\_hour -2.448116

20th\_hour -0.974454

21th\_hour -0.815199

22th\_hour -0.591680

23th\_hour -1.048417

dtype: float64

[Finished in 378.7s]