

**Standard Outcomes Runs (sOR):SUMMARY OUTPUT****Author: S. Christopher Michaels**

| <i>Regression Statistics</i> |                    |
|------------------------------|--------------------|
| Multiple R                   | 0.998828396        |
| R Square                     | 0.997658165        |
| <b>Adjusted R Square</b>     | <b>0.997641903</b> |
| <b>Standard Error</b>        | <b>251.7534148</b> |
| Observations                 | 146                |

**RMSE  
250.02****RMSE/Tm/Sea  
11.16****ANOVA**

|            | <i>df</i> | <i>SS</i>   | <i>MS</i>   | <i>F</i>    | <i>Significance F</i> |
|------------|-----------|-------------|-------------|-------------|-----------------------|
| Regression | 1         | 3888111924  | 3888111924  | 61346.24969 | <b>2.695E-191</b>     |
| Residual   | 144       | 9126688.589 | 63379.78187 |             |                       |
| Total      | 145       | 3897238613  |             |             |                       |

|              | <i>Coefficients</i> | <i>Standard Error</i> | <i>t Stat</i> | <i>P-value</i> | <i>Lower 95%</i> | <i>Upper 95%</i> | <i>Lower 99.0%</i> | <i>Upper 99.0%</i> |
|--------------|---------------------|-----------------------|---------------|----------------|------------------|------------------|--------------------|--------------------|
| Intercept    | 116.7889302         | 61.23955392           | 1.907083294   | 0.058501232    | -4.255645109     | 237.8335055      | -43.070933         | 276.6487934        |
| X Variable 1 | 0.992014299         | 0.004005197           | 247.6817508   | 2.695E-191     | 0.984097726      | 0.999930872      | 0.981559123        | 1.002469475        |

**Runs Batted In (RBI): SUMMARY OUTPUT****Traditional Metric**

| <i>Regression Statistics</i> |                    |
|------------------------------|--------------------|
| Multiple R                   | 0.99291936         |
| R Square                     | 0.985888856        |
| <b>Adjusted R Square</b>     | <b>0.985790862</b> |
| <b>Standard Error</b>        | <b>617.9856107</b> |
| Observations                 | 146                |

**RMSE  
592.54****RMSE/Tm/Sea  
26.45****ANOVA**

|            | <i>df</i> | <i>SS</i>   | <i>MS</i>   | <i>F</i>    | <i>Significance F</i> |
|------------|-----------|-------------|-------------|-------------|-----------------------|
| Regression | 1         | 3842244118  | 3842244118  | 10060.70068 | <b>3.9222E-135</b>    |
| Residual   | 144       | 54994494.97 | 381906.2151 |             |                       |
| Total      | 145       | 3897238613  |             |             |                       |

|              | <i>Coefficients</i> | <i>Standard Error</i> | <i>t Stat</i> | <i>P-value</i> | <i>Lower 95%</i> | <i>Upper 95%</i> | <i>Lower 99.0%</i> | <i>Upper 99.0%</i> |
|--------------|---------------------|-----------------------|---------------|----------------|------------------|------------------|--------------------|--------------------|
| Intercept    | 1582.471961         | 137.456434            | 11.51253466   | 3.75179E-22    | 1310.779         | 1854.164921      | 1223.65539         | 1941.288531        |
| X Variable 1 | 0.979393079         | 0.009764341           | 100.3030442   | 3.9222E-135    | 0.960093127      | 0.998693031      | 0.953904224        | 1.004881935        |

**Original Outcomes Runs (oOR):SUMMARY OUTPUT****Author: S. Christopher Michaels**

| Regression Statistics    |                    |
|--------------------------|--------------------|
| Multiple R               | 0.998750586        |
| <b>R Square</b>          | <b>0.997502733</b> |
| <b>Adjusted R Square</b> | <b>0.997485391</b> |
| Standard Error           | 259.9739124        |
| Observations             | 146                |

**RMSE**  
**258.19****RMSE/Tm/Sea**  
**11.53**

## ANOVA

|            | <i>df</i> | <i>SS</i>   | <i>MS</i>   | <i>F</i>    | <i>Significance F</i> |
|------------|-----------|-------------|-------------|-------------|-----------------------|
| Regression | 1         | 3887506166  | 3887506166  | 57519.02963 | <b>2.7544E-189</b>    |
| Residual   | 144       | 9732446.661 | 67586.43515 |             |                       |
| Total      | 145       | 3897238613  |             |             |                       |

|              | <i>Coefficients</i> | <i>Standard Error</i> | <i>t Stat</i> | <i>P-value</i> | <i>Lower 95%</i> | <i>Upper 95%</i> | <i>Lower 99.0%</i> | <i>Upper 99.0%</i> |
|--------------|---------------------|-----------------------|---------------|----------------|------------------|------------------|--------------------|--------------------|
| Intercept    | 29.25091046         | 63.58691234           | 0.460014638   | 0.646199537    | -96.43339498     | 154.9352159      | -136.736502        | 195.2383231        |
| X Variable 1 | 0.99825482          | 0.004162322           | 239.8312524   | 2.7544E-189    | 0.990027679      | 1.006481962      | 0.987389487        | 1.009120154        |

**Base Runs (BsR): SUMMARY OUTPUT****Author: David Smyth**

| Regression Statistics    |                    |
|--------------------------|--------------------|
| Multiple R               | 0.98475129         |
| <b>R Square</b>          | <b>0.969735104</b> |
| <b>Adjusted R Square</b> | <b>0.969524931</b> |
| Standard Error           | 905.0380623        |
| Observations             | 146                |

**RMSE**  
**898.82****RMSE/Tm/Sea**  
**40.13**

## ANOVA

|            | <i>df</i> | <i>SS</i>   | <i>MS</i>   | <i>F</i>    | <i>Significance F</i> |
|------------|-----------|-------------|-------------|-------------|-----------------------|
| Regression | 1         | 3779289092  | 3779289092  | 4613.987625 | <b>2.859E-111</b>     |
| Residual   | 144       | 117949520.8 | 819093.8942 |             |                       |
| Total      | 145       | 3897238613  |             |             |                       |

|              | <i>Coefficients</i> | <i>Standard Error</i> | <i>t Stat</i> | <i>P-value</i> | <i>Lower 95%</i> | <i>Upper 95%</i> | <i>Lower 99.0%</i> | <i>Upper 99.0%</i> |
|--------------|---------------------|-----------------------|---------------|----------------|------------------|------------------|--------------------|--------------------|
| Intercept    | 2224.2805           | 193.9951719           | 11.46564875   | 4.97961E-22    | 1840.83448       | 2607.72652       | 1717.875086        | 2730.685914        |
| X Variable 1 | 0.884950092         | 0.013028084           | 67.9263397    | 2.859E-111     | 0.859199105      | 0.910701079      | 0.850941552        | 0.918958631        |

**Estimated Runs Produced (ERP): SUMMARY OUTPUT****Author: Paul Johnson**

| <i>Regression Statistics</i> |                    |
|------------------------------|--------------------|
| Multiple R                   | 0.982633863        |
| <b>R Square</b>              | <b>0.965569309</b> |
| <b>Adjusted R Square</b>     | <b>0.965330207</b> |
| Standard Error               | 965.3173732        |
| Observations                 | 146                |

|                              |
|------------------------------|
| <b>RMSE</b><br><b>958.68</b> |
|------------------------------|

|                                    |
|------------------------------------|
| <b>RMSE/Tm/Sea</b><br><b>42.80</b> |
|------------------------------------|

**ANOVA**

|            | <i>df</i> | <i>SS</i>   | <i>MS</i>  | <i>F</i>    | <i>Significance F</i> |
|------------|-----------|-------------|------------|-------------|-----------------------|
| Regression | 1         | 3763053994  | 3763053994 | 4038.315119 | <b>3.0875E-107</b>    |
| Residual   | 144       | 134184618.9 | 931837.631 |             |                       |
| Total      | 145       | 3897238613  |            |             |                       |

|              | <i>Coefficients</i> | <i>Standard Error</i> | <i>t Stat</i> | <i>P-value</i> | <i>Lower 95%</i> | <i>Upper 95%</i> | <i>Lower 99.0%</i> | <i>Upper 99.0%</i> |
|--------------|---------------------|-----------------------|---------------|----------------|------------------|------------------|--------------------|--------------------|
| Intercept    | 2334.104355         | 205.7018936           | 11.34702415   | 1.01909E-21    | 1927.519121      | 2740.689589      | 1797.13969         | 2871.06902         |
| X Variable 1 | 0.884993507         | 0.013926436           | 63.5477389    | 3.0875E-107    | 0.857466861      | 0.912520153      | 0.848639909        | 0.921347105        |

**Extrapolated Runs (XR): SUMMARY OUTPUT****Author: Jim Furtado**

| <i>Regression Statistics</i> |                    |
|------------------------------|--------------------|
| Multiple R                   | 0.982557393        |
| <b>R Square</b>              | <b>0.96541903</b>  |
| <b>Adjusted R Square</b>     | <b>0.965178885</b> |
| Standard Error               | 967.4217275        |
| Observations                 | 146                |

|                              |
|------------------------------|
| <b>RMSE</b><br><b>960.77</b> |
|------------------------------|

|                                    |
|------------------------------------|
| <b>RMSE/Tm/Sea</b><br><b>42.89</b> |
|------------------------------------|

**ANOVA**

|            | <i>df</i> | <i>SS</i>  | <i>MS</i>   | <i>F</i>    | <i>Significance F</i> |
|------------|-----------|------------|-------------|-------------|-----------------------|
| Regression | 1         | 3762468322 | 3762468322  | 4020.140004 | <b>4.2249E-107</b>    |
| Residual   | 144       | 134770291  | 935904.7989 |             |                       |
| Total      | 145       | 3897238613 |             |             |                       |

|              | <i>Coefficients</i> | <i>Standard Error</i> | <i>t Stat</i> | <i>P-value</i> | <i>Lower 95%</i> | <i>Upper 95%</i> | <i>Lower 99.0%</i> | <i>Upper 99.0%</i> |
|--------------|---------------------|-----------------------|---------------|----------------|------------------|------------------|--------------------|--------------------|
| Intercept    | 2202.392541         | 208.0797797           | 10.58436598   | 1.00703E-19    | 1791.107237      | 2613.677845      | 1659.220637        | 2745.564445        |
| X Variable 1 | 0.889425049         | 0.014027774           | 63.404574     | 4.2249E-107    | 0.861698101      | 0.917151998      | 0.852806917        | 0.926043181        |

Runs Created Technical (RCt): SUMMARY OUTPUT

Author: Bill James

| Regression Statistics |             |
|-----------------------|-------------|
| Multiple R            | 0.981865205 |
| R Square              | 0.96405928  |
| Adjusted R Square     | 0.963809692 |
| Standard Error        | 986.2582248 |
| Observations          | 146         |

|        |
|--------|
| RMSE   |
| 979.48 |

|             |
|-------------|
| RMSE/Tm/Sea |
| 43.73       |

ANOVA

|            | df  | SS          | MS         | F           | Significance F |
|------------|-----|-------------|------------|-------------|----------------|
| Regression | 1   | 3757169051  | 3757169051 | 3862.597547 | 6.7934E-106    |
| Residual   | 144 | 140069561.2 | 972705.286 |             |                |
| Total      | 145 | 3897238613  |            |             |                |

|              | Coefficients | Standard Error | t Stat      | P-value     | Lower 95%   | Upper 95%   | Lower 99.0% | Upper 99.0% |
|--------------|--------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Intercept    | 2336.684285  | 210.2656947    | 11.1130077  | 4.1816E-21  | 1921.078355 | 2752.290214 | 1787.806263 | 2885.562306 |
| X Variable 1 | 0.875784447  | 0.014091509    | 62.14979925 | 6.7934E-106 | 0.847931522 | 0.903637372 | 0.838999942 | 0.912568952 |