

NYT Bestseller's List

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Top 15 New York Times Bestseller's List

```
## List of 12
## $ list_name           : chr "Combined Print and E-Book Fiction"
## $ list_name_encoded   : chr "combined-print-and-e-book-fiction"
## $ bestsellers_date    : chr "2018-04-28"
## $ published_date      : chr "2018-05-13"
## $ published_date_description: chr "latest"
## $ next_published_date  : chr ""
## $ previous_published_date : chr "2018-05-06"
## $ display_name        : chr "Combined Print & E-Book Fiction"
## $ normal_list_ends_at  : int 15
## $ updated             : chr "WEEKLY"
## $ books               : 'data.frame': 15 obs. of 25 variables:
## $ corrections         : list()

## [1] "data.frame"

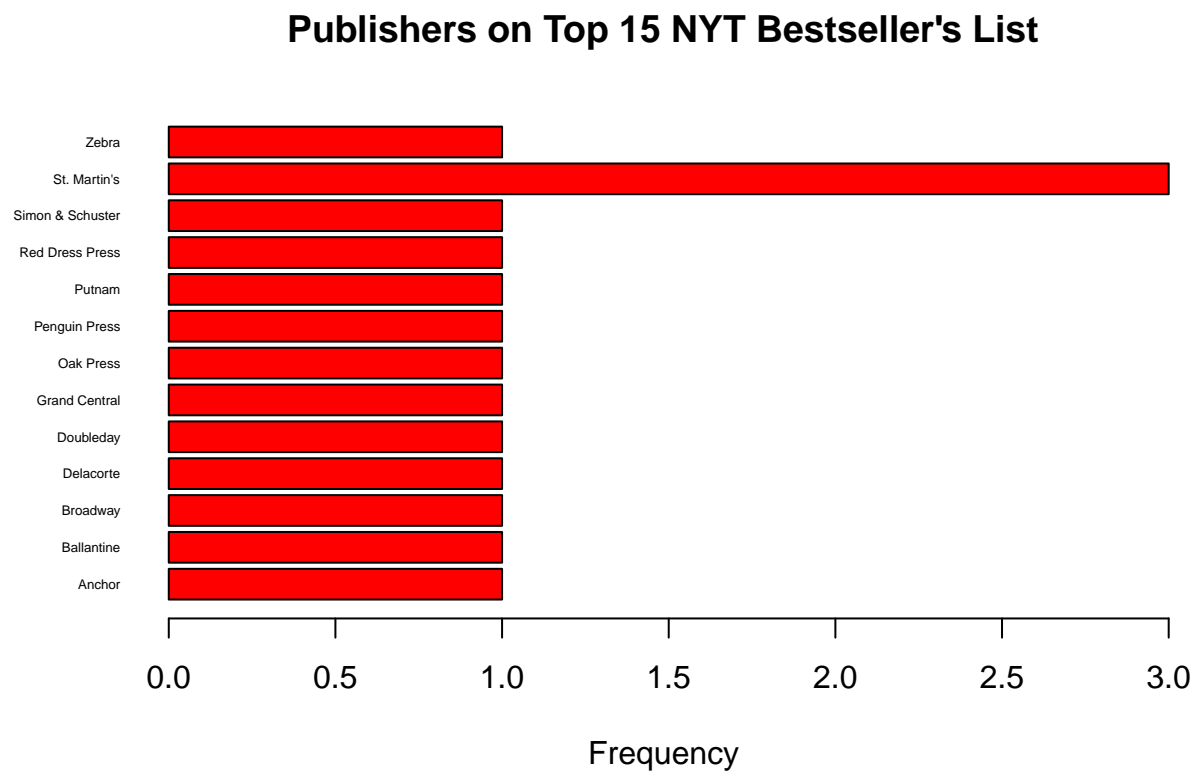
##      Rank Last Weeks      Title      Author
## 1      1      0      1    TWISTED PREY    John Sandford
## 2      2      1      2    THE FALLEN      David Baldacci
## 3      3      0     10    THE MIDNIGHT LINE    Lee Child
## 4      4      0      1    ONE LAST BREATH    Lisa Jackson and Nancy Bush
## 5      5      0      1    SHATTERED MIRROR    Iris Johansen
## 6      6      2     23    READY PLAYER ONE    Ernest Cline
## 7      7      7     27  LITTLE FIRES EVERYWHERE    Celeste Ng
## 8      8      4     21    CAMINO ISLAND    John Grisham
## 9      9      5     12    THE GREAT ALONE    Kristin Hannah
## 10     10      0      1    IRON PRINCESS    Meghan March
## 11     11      3      3    AFTER ANNA    Lisa Scottoline
## 12     12      8     31    BEFORE WE WERE YOURS    Lisa Wingate
## 13     13      9      4  I'VE GOT MY EYES ON YOU    Mary Higgins Clark
## 14     14      0      1    WILD IN LOVE    Bella Andre and Jennifer Skully
## 15     15      0      1    CRAZY RICH ASIANS    Kevin Kwan

##      Publisher      ISBN10
## 1      Putnam 073521736X
## 2    Grand Central 1538761378
## 3    Delacorte 0399593500
## 4      Zebra 1420136135
## 5    St. Martin's 1466887249
## 6      Broadway 0307887448
## 7    Penguin Press 0735224307
## 8    Doubleday 1524797154
## 9    St. Martin's 125016561X
## 10  Red Dress Press 1943796084
## 11    St. Martin's 1250099676
## 12    Ballantine 0425284697
## 13 Simon & Schuster 1501171690
```

14 Oak Press 1945253436
15 Anchor 0345803787

The titles are listed with their current rank on the Bestseller's List, as well as the number of weeks they have been on the list and their rankings in the previous week. Additionally, the author's name, publishers, and 10-digit ISBN are also listed.

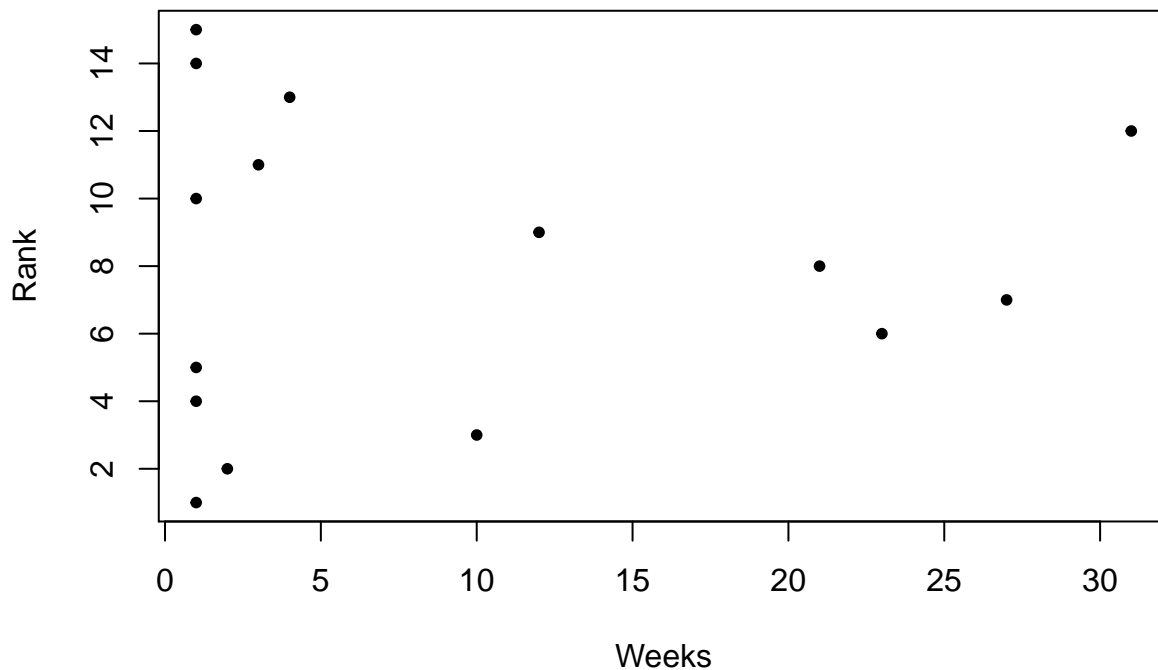
Publishers Of Top 15 Titles on NYT's Bestseller's List



Based on the plot, it is evident that at this time, the publisher St. Martin's has the most titles on the Top 15 NYT Bestseller's list. They have *Shattered Mirror*, *The Great Alone*, and *After Anna*. At this time, it can be concluded that St. Martin's has great potential for upcoming and established authors.

Correlation Between Rank and Number of Weeks on the Bestseller's List

Rank of Title VS Number of Weeks on Bestseller's List



The plot displays the relationship between the number of weeks each title has been on the NYT Bestseller's List and the respective title's current rank on the Bestseller's List. There looks to be a slight correlation in the fact that the longer a title stays on the Bestseller's List, the more it decreases in its rank. However, I performed a linear regression test between the rank and the number of weeks to test the hypothesis that there is a correlation.

The null hypothesis is that there is no correlation between the titles' ranks and the number of weeks it has been on the Bestseller's List. The alternate hypothesis is that there is a correlation between the titles' ranks and the number of weeks it has been on the Bestseller's List.

The results of the test are shown below.

```
##
## Call:
## lm(formula = Rank ~ Weeks, data = dfrankweek)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -6.8448 -3.3448 -0.2203  3.3548  7.1552
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   7.82600    1.59715   4.900  0.00029 ***
## Weeks         0.01878    0.11410   0.165  0.87182
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 4.636 on 13 degrees of freedom
## Multiple R-squared:  0.002079,    Adjusted R-squared:  -0.07468
```

F-statistic: 0.02708 on 1 and 13 DF, p-value: 0.8718

Despite having shown some correlation, the statistical test disproved the presence of a significant correlation. The p-value for the test came to be 0.8718. It is larger than 0.05, meaning that I have failed to reject the null hypothesis.

There is no significant correlation between the Bestseller's titles' ranks and the number of weeks it has been on the Bestseller's List.