

The Hunger Games SPL Report
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When you are reading a book, would you like to picture it in movies? And when you are watching a movie that adapted from a book, would you like to read the book? Curiosity drives people to explore and compare the book and its movie. To some extent, a book and its movie make a great pair together. The book always have a detailed story and well rounded portrayal of characters. The movie is more visually appealing and offers a multidimensional take on the original work.

The subject of this report explored is the movie series *The Hunger Games*, which adapted from American novelist Suzanne Collins's novel. As the books were all well received and rated top sellers, I am interested in the relationship between the movies series and the original novels.

Firstly, I did a query for the total of versions of the Hunger Games that SPL has.

The MySQL query:

```
SELECT
    bibNumber, itemType, title, COUNT(bibNumber) AS Counts
FROM
    spl_2016.outraw
WHERE
    (title LIKE '%hunger games%'
     OR title = 'Catching Fire'
     OR title = 'Mockingjay')
GROUP BY bibNumber , itemType , title
ORDER BY Counts DESC
```

The major results are:

bibNumber	itemType	title	Counts
2838781	acdvd	hunger games	7199
2652782	acbk	Mockingjay	6416
2583295	acbk	Catching fire	6161
2980519	acdvd	hunger games Catching fire	5916
3077292	acdvd	hunger games Mockingjay part 1	4675
2507346	acbk	hunger games	4204
2665213	acbk	hunger games	4080
3161613	acdvd	hunger games Mockingjay Part 2	3058
2531141	accd	hunger games	1427
2611505	acbk	Catching fire	1341
2794770	accd	hunger games songs from District 12 and beyond	1219
2611504	acbk	Hunger Games	1112
2612118	accd	Catching fire	1101
2669064	acbk	Mockingjay	1065
2654266	accd	Mockingjay	1017
2963406	accd	hunger games catching fire original motion picture soundtrack	778
3057100	accd	hunger games Mockingjay part 1 original motion picture soundtrack	468
2801488	accd	hunger games original motion picture score	264
2774146	acbk	hunger games the official illustrated movie companion	250
2774147	acbk	world of the Hunger Games	201
2721113	acbk	girl who was on fire your favorite authors on Suzanne Collins Hunger games trilogy	184
2774148	acbk	Hunger Games tribute guide	170
2760441	acbk	unofficial Hunger Games cookbook from lamb stew to groosling more than 150 recipes...	143
2852251	acdvd	Chase the stars the cast of the motion picture The hunger games	105
2738878	acbk	hunger games companion the unauthorized guide to the series	104

Table 1

Secondly, I did a query to query the amount of the original book series. Since The Hunger Games is a trilogy and the novels in the trilogy are titled *The Hunger Games*(2008), *Catching Fire* (2009), and *Mockingjay* (2010), I included all possible titles in the query.

My MySQL query:

```

SELECT
    title, COUNT(title), bibNumber, itemType
FROM
    spl_2016.outraw
WHERE
    (title = 'Catching Fire'
    OR title = 'Mockingjay'
    OR title LIKE '%hunger games%')
    AND (itemtype = 'acbk' OR itemtype = 'arbk'
    OR itemtype = 'bcbk'
    OR itemtype = 'drbk'
    OR itemtype = 'jcbk'
    OR itemtype = 'jrbk')

```

```
GROUP BY title , itemType , bibNumber
ORDER BY COUNT(title) DESC
LIMIT 1000
```

Gives an overall count of each book version of the topic:

title	COUNT(title)	bibNumber	itemType
Mockingjay	6416	2652782	acbk
Catching fire	6161	2583295	acbk
hunger games	4204	2507346	acbk
hunger games	4080	2665213	acbk
Catching fire	1341	2611505	acbk
Hunger Games	1112	2611504	acbk
Mockingjay	1065	2669064	acbk
hunger games the official illustrated movie companion	250	2774146	acbk
world of the Hunger Games	201	2774147	acbk
girl who was on fire your favorite authors on Suzanne Collins Hunger games t...	184	2721113	acbk
Hunger Games tribute guide	170	2774148	acbk
unofficial Hunger Games cookbook from lamb stew to groosling more than 15...	143	2760441	acbk
hunger games companion the unauthorized guide to the series	104	2738878	acbk
Guide to the Hunger Games	82	2774149	acbk
Hunger games A Z	31	2855824	acbk
Jennifer Lawrence star of The hunger games	22	2766179	jcbk
Honggo geim The hunger games	20	2860891	acbk
Jennifer Lawrence the Hunger Games girl on fire	20	2877526	jcbk

Table 2

Then, I want to explore the impact that the *Hunger Game* movie series had on the books. The first film began production in Spring 2011, and was released in March 2012. For the second film *Catching Fire*, it was released in November 2013. For third film *Mockingjay*, parts 1 and 2, released in November 2014 and November 2015.

I did the same query as I used in step 2, on the sql_2011 dataset
The result is below:

title	COUNT(title)	bibNumber	itemType
hunger games	2246	2507346	acbk
Mockingjay	2206	2652782	acbk
Catching fire	1871	2583295	acbk
hunger games	1238	2665213	acbk
Catching fire	428	2611505	acbk
Hunger Games	349	2611504	acbk
Mockingjay	276	2669064	acbk
girl who was on fire your favorite authors on Suz...	48	2721113	acbk

Table 3

Compared with the Table 2, the check-out count of the books nearly doubled after 2011, which indicates that after the movie series released, there was a boost in the check-out count of all the books.

Next, I want to explore more of the relationship between the books and movies.
 Firstly, I did the query for all versions of the movies that SPL has.

The MySQL query:

```
SELECT
    title, COUNT(title), bibNumber, itemType
FROM
    spl_2016.outraw
WHERE
    (title = 'Catching Fire'
     OR title = 'Mockingjay'
     OR title LIKE '%hunger games%')
    AND (itemtype = 'acdvd' OR itemtype = 'ardvd'
         OR itemtype = 'bcdvd'
         OR itemtype = 'drdvd'
         OR itemtype = 'jcdvd'
         OR itemtype = 'jrdvd')
GROUP BY title , itemType , bibNumber
ORDER BY COUNT(title) DESC
LIMIT 1000
```

The results:

title	COUNT(title)	bibNumber	itemType
hunger games	7199	2838781	acdvd
hunger games Catching fire	5916	2980519	acdvd
hunger games Mockingjay part 1	4675	3077292	acdvd
hunger games Mockingjay Part 2	3058	3161613	acdvd
Chase the stars the cast of the motion picture The hunger games	105	2852251	acdvd

Table 4

Take the first book *The Hunger Games* as an example, I want to look into the book check-out rate trends after the movie released.

The MySQL query:

```
SELECT
    YEAR(cout) AS CheckoutYear,
    MONTH(cout) AS CheckoutMonth,
    COUNT(cout) AS CheckoutCount
FROM
    spl_2016.outraw
WHERE
```

```

title LIKE '%Hunger Games%'
AND SUBSTRING(itemType, 3, 4) = 'bk'
GROUP BY CheckoutYear , CheckoutMonth

```

The results:

CheckoutYear	CheckoutMonth	CheckoutCount
2011	3	169
2011	4	145
2011	5	162
2011	6	167
2011	7	160
2011	8	170
2011	9	143
2011	10	158
2011	11	154
2011	12	194
2012	1	183
2012	2	209
2012	3	302
2012	4	468
2012	5	515
2012	6	444
2012	7	487
2012	8	299
2012	9	273
2012	10	196
2012	11	163
2012	12	139
2013	1	118
2013	2	102
2013	3	95

← A rise in check-out rates

Table 5

We can see a rise in the check-out count, after the movie released in March 2012. And the rate eventually dropped after few months.

Checkout...	CheckoutMonth	CheckoutCount
2011	12	113
2012	1	109
2012	2	128
2012	3	133
2012	4	210
2012	5	224
2012	6	223
2012	7	259
2012	8	249
2012	9	209
2012	10	271
2012	11	219
2012	12	132
2013	1	136
2013	2	93
2013	3	104
2013	4	116
2013	5	108
2013	6	116
2013	7	141
2013	8	136
2013	9	110
2013	10	104
2013	11	128
2013	12	146
2014	1	106
2014	2	89
2014	3	87



A rise when the first movie released



A small rise when the same movie released

Table 6

There is an interesting finding when I was querying the second book *Catching Fire*. We can see from table 6, along the time when the first movie released, the check-out count increased for the other the *Catching Fire* as well. So there is a boost of check-out count for all the books when the first movie released.

And the results for the third movie, *Mockingjay*, wasn't that consistent with the previous trend. The release of the previous two movies didn't have much increase on the check-out rate of *Mockingjay*.

CheckoutYear	CheckoutMonth	CheckoutCount	CheckoutYear	CheckoutMonth	CheckoutCount
2011	4	151	2013	8	86
2011	5	172	2013	9	79
2011	6	144	2013	10	84
2011	7	160	2013	11	88
2011	8	145	2013	12	82
2011	9	110	2014	1	117
2011	10	179	2014	2	110
2011	11	136	2014	3	86
2011	12	146	2014	4	75
2012	1	119	2014	5	76
2012	2	139	2014	6	83
2012	3	151	2014	7	67
2012	4	137	2014	8	66
2012	5	151	2014	9	57
2012	6	144	2014	10	61
2012	7	204	2014	11	67
2012	8	179	2014	12	78
2012	9	177	2015	1	54
2012	10	209	2015	2	35
2012	11	217	2015	3	53
2012	12	201	2015	4	41
2013	1	149	2015	5	37
2013	2	112	2015	6	38
2013	3	103	2015	7	49
2013	4	95	2015	8	37
2013	5	81	2015	9	34
2013	6	88	2015	10	33
2013	7	112	2015	11	32

Table 7

I also took a look into the another popular film that adapted from book, *Ender's Game*. The movie released on Nov 1, 2013. We can also see a rise in the book check-out count after the movie released.

Same query after the movie was out:

CheckoutYear	CheckoutMonth	CheckoutCount
2012	6	74
2012	7	74
2012	8	66
2012	9	55
2012	10	49
2012	11	53
2012	12	58
2013	1	63
2013	2	58
2013	3	73
2013	4	72
2013	5	77
2013	6	85
2013	7	85
2013	8	79
2013	9	71
2013	10	61
2013	11	70
2013	12	121
2014	1	92
2014	2	91
2014	3	96
2014	4	97



A rise

Table 8