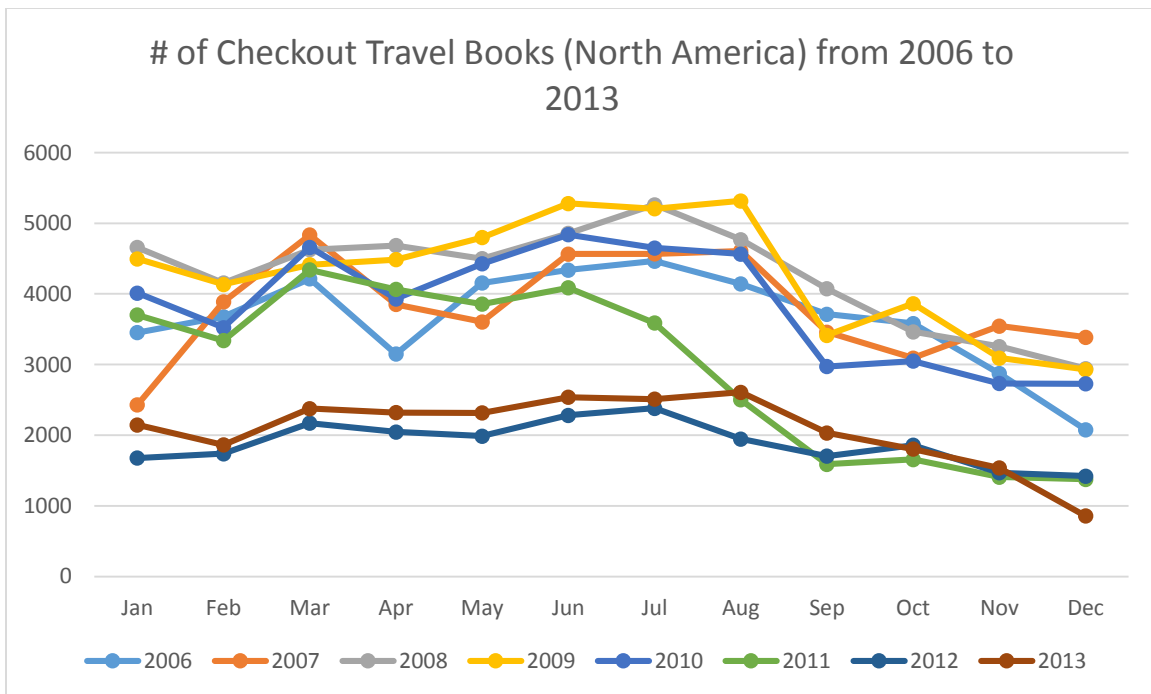
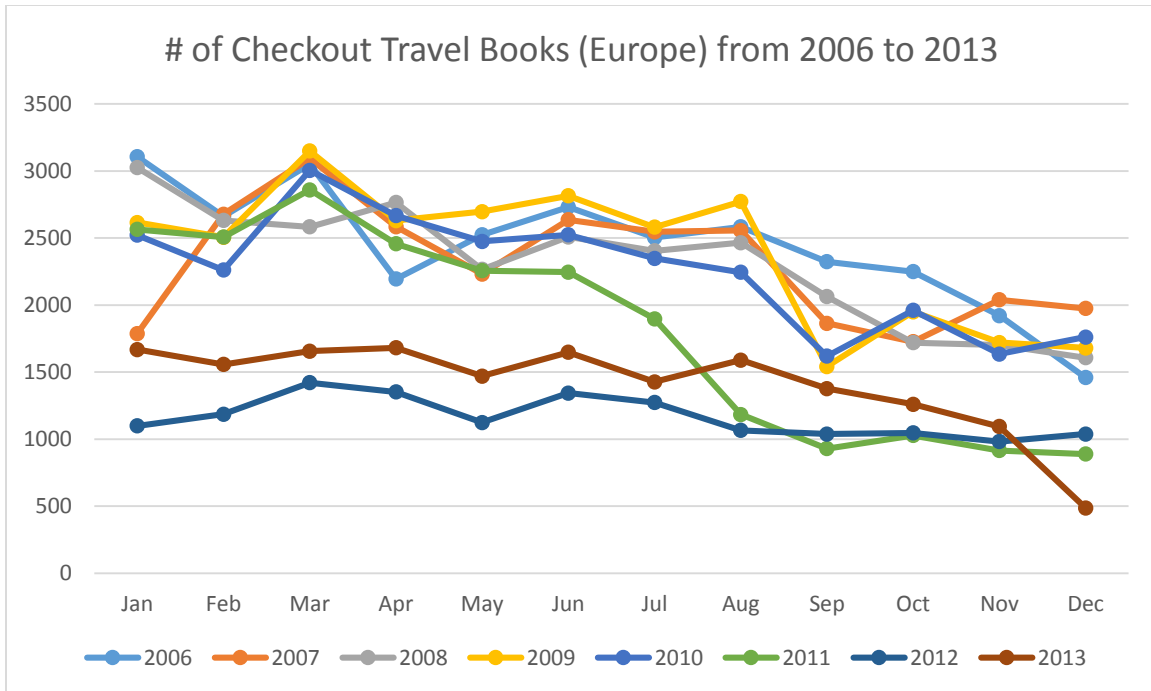


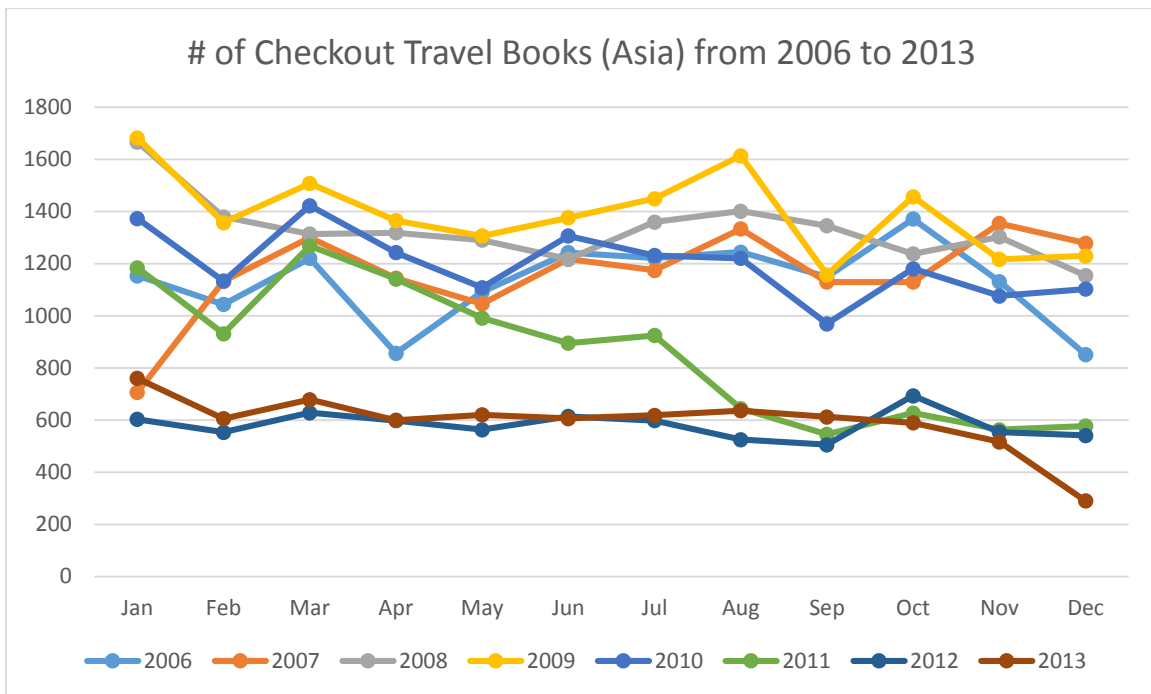
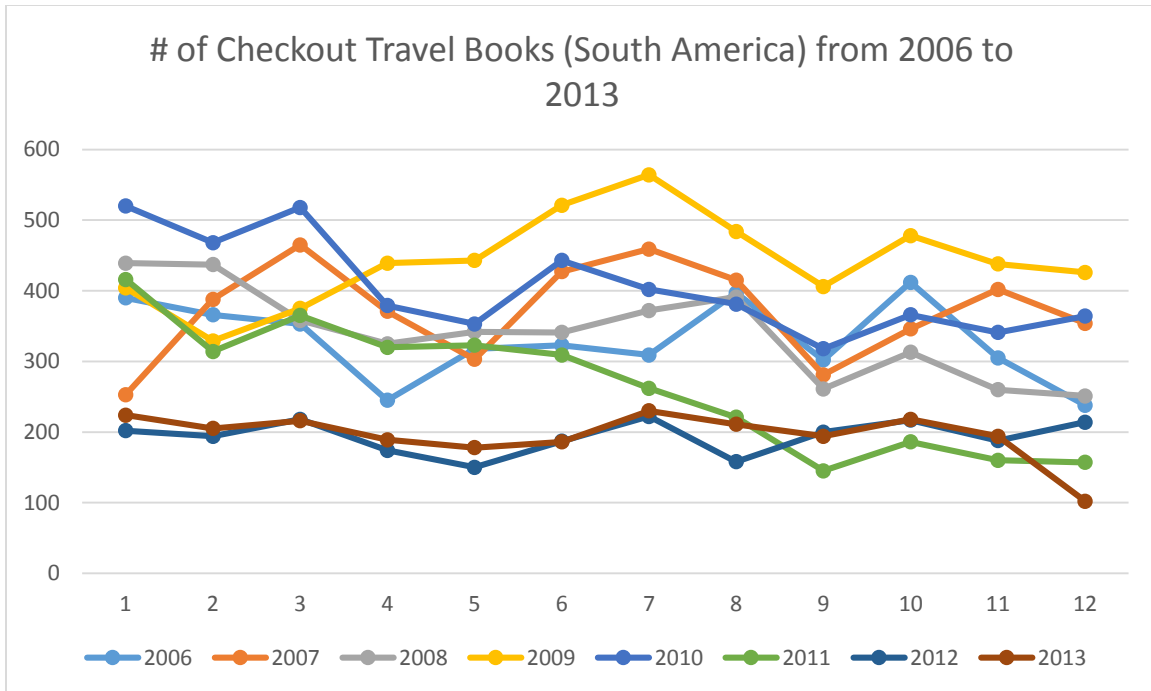
I would like to investigate possible relation of the number of checkout books and months among a year. There are peak season, shoulder season, and off-peak season to travel during a year. Before running the query, I predict that the number would increase prior to peak season while drops afterwards. My query runs as follows.

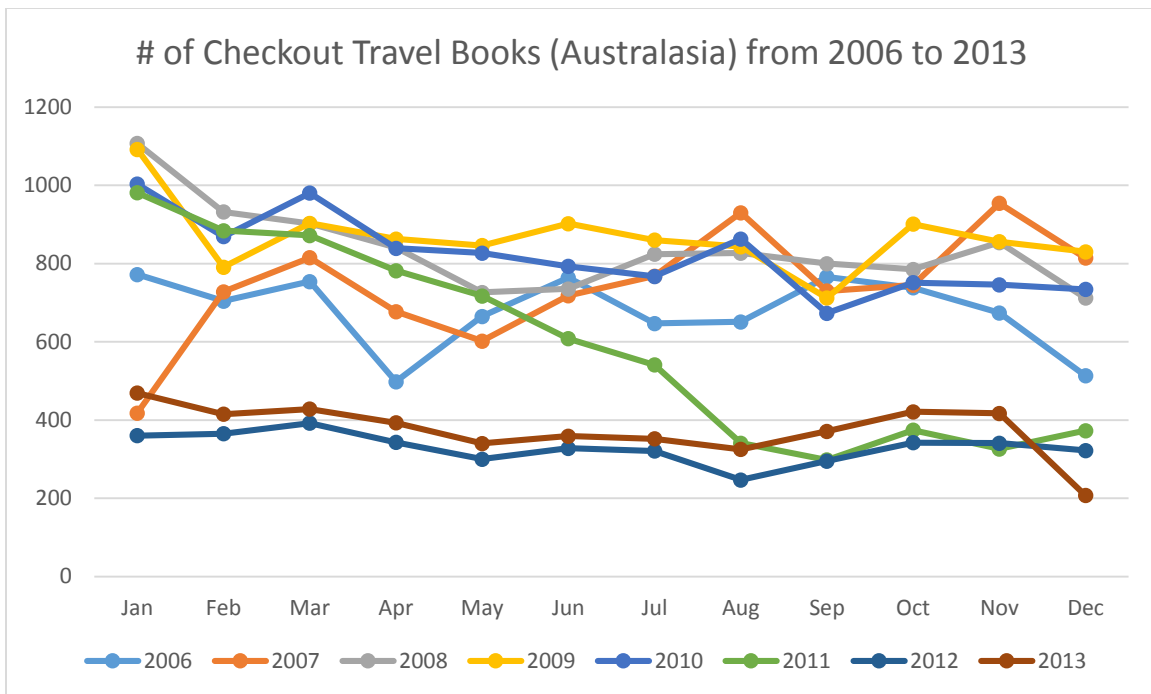
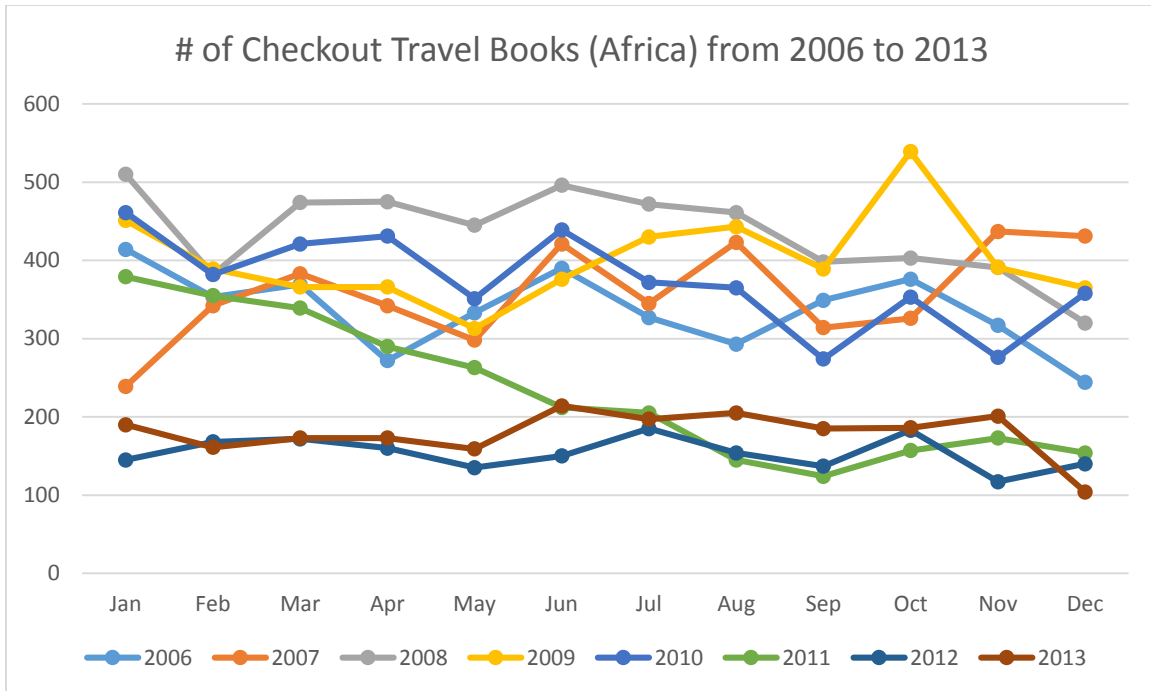
```
SELECT
YEAR(cout),
SUM(CASE WHEN MONTH(cout) = 1 THEN 1 ELSE 0 END) Jan,
SUM(CASE WHEN MONTH(cout) = 2 THEN 1 ELSE 0 END) Feb,
SUM(CASE WHEN MONTH(cout) = 3 THEN 1 ELSE 0 END) Mar,
SUM(CASE WHEN MONTH(cout) = 4 THEN 1 ELSE 0 END) Apr,
SUM(CASE WHEN MONTH(cout) = 5 THEN 1 ELSE 0 END) May,
SUM(CASE WHEN MONTH(cout) = 6 THEN 1 ELSE 0 END) Jun,
SUM(CASE WHEN MONTH(cout) = 7 THEN 1 ELSE 0 END) Jul,
SUM(CASE WHEN MONTH(cout) = 8 THEN 1 ELSE 0 END) Aug,
SUM(CASE WHEN MONTH(cout) = 9 THEN 1 ELSE 0 END) Sep,
SUM(CASE WHEN MONTH(cout) = 10 THEN 1 ELSE 0 END) Oct,
SUM(CASE WHEN MONTH(cout) = 11 THEN 1 ELSE 0 END) Nov,
SUM(CASE WHEN MONTH(cout) = 12 THEN 1 ELSE 0 END) `Dec`
FROM
spl2.inraw
WHERE
deweyClass >= 918 AND deweyClass < 919
AND DATE(cout) >= '20060101'
AND DATE(cout) <= '20141231'
GROUP BY YEAR(cout)
ORDER BY YEAR(cout)
```

The line graphs below present the number of travel books which were checked out from the Seattle Public Library per month over 7 years from 2006 to 2013.

Overall, December is usually the month when the number of checkout books is the least among a year. In addition there has been a decrease from 2006 to 2013 as seen on the chart. An interesting fact is that, compared to the year 2006 to 2010, in 2012 and 2013 the number of checkout books is quite less. Between June and September in 2011, the number of checkout books has decreased drastically.







In addition I am interested in the checkout number of travel books annually. The query below retrieves the information on the number of checkout books on five continents.

```
SELECT
SUM(CASE WHEN YEAR(cout) = 2006 THEN 1 ELSE 0 END) `2006`,
SUM(CASE WHEN YEAR(cout) = 2007 THEN 1 ELSE 0 END) `2007`,
```

```

SUM(CASE WHEN YEAR(cout) = 2008 THEN 1 ELSE 0 END) `2008`,
SUM(CASE WHEN YEAR(cout) = 2009 THEN 1 ELSE 0 END) `2009`,
SUM(CASE WHEN YEAR(cout) = 2010 THEN 1 ELSE 0 END) `2010`,
SUM(CASE WHEN YEAR(cout) = 2011 THEN 1 ELSE 0 END) `2011`,
SUM(CASE WHEN YEAR(cout) = 2012 THEN 1 ELSE 0 END) `2012`,
SUM(CASE WHEN YEAR(cout) = 2013 THEN 1 ELSE 0 END) `2013`
FROM
spl2.inraw
WHERE (deweyClass >= 914 AND deweyClass < 915)

```

It is clear from the graph that there has been a gradual decrease from 2009 to 2012 while the number of checkout books hits to the lowest level in 2012.

