**HW5: Visual Analytics**

**Individual assignment**

**(Total Points: 20 points)**

**Name:** Andrea Perez*This homework is submitted as individual work according to the Academic Integrity Policy and the W.P. Carey Honor Code to the best of my ability*

**Submission Guidelines:**

* Please note that this assignment contains 5 questions.
* Please name your file HW5\_lastname\_firstname (e.g., HW5\_Chen\_Peiyu.doc), and submit your file to the course site (following appropriate hw submission link) by the specified deadline.
* By submitting your homework, you acknowledge that it is submitted as individual work according to the Academic Integrity Policy and the W.P. Carey Honor Code to the best of your ability. Please put the following sentence after your name: “*This homework is submitted as individual work according to the Academic Integrity Policy and the W.P. Carey Honor Code to the best of my ability*”. If it is not true, explain why it is not true.

Instructions:

• Use the attached data file: WorldClassicMoviesRentals.csv, which is a dataset on the World Classic Movie Rentals history.

• Import the csv file to Tableau and answer the following questions. Please provide a visual evidence (copy and paste images or screenshots of your analyses in Tableau) along with your answer(s) based on the visual evidence you provide. You will be graded according to the choice of the graphs and the accuracy of your answers. A good graph conveys information in a straightforward way.

Questions

1. Which year generated the highest revenue?

The highest revenue would be $7,774,358 in 2008.

Chart

Description automatically generated

1. In 2008, which month generated the highest revenue and which month generated the lowest?

In 2008 the month that generated the highest revenue was December and the month that generated the lowest revenue was in February.

Chart, bar chart

Description automatically generated

1. Show the revenue by month in country: “US” and year: 2006 and 2007. Do you find a similar seasonality in revenue in these two years?

The similarity between the years 2006 and 2007 is that there is a spike in revenue in the month’s March, June, September, and December.

Chart, bar chart

Description automatically generated

1. Which three states/provinces generated the highest revenue in the first two quarters of 2007?

The three states that generated the highest revenue in the first two quarters of 2007 are California, Texas, and New York.

Chart, bubble chart

Description automatically generated

1. Please provide a map of US (mainland) showing the revenues for each state. The graph should allow managers to see easily and clearly the revenues comparison for each state.

Map

Description automatically generated