# Tableau Lab Answer Sheet – Independent Activity Part 1

Use this answer sheet to answer the questions with the **red squares ⬜** from the Tableau Lab (see lab handout for the entire set of instructions). You can include partial screenshots of displays/visualizations if the entire display is too big. We just want to know that you were able to generate the answer/transformation.

**Question 6: Which movies were about dragons?**

**图形用户界面, 文本, 应用程序

描述已自动生成**

**Question 9: Are there directors who have never directed a profitable movie? Who are they?**

**图片包含 图表

描述已自动生成**

**Question 11: Which director has directed the most profitable Comedy movie?**

**图表

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**Question 12: (bonus question): Do movies that contain the word “star” have higher average revenue than movies with “dragon” in the title?**

**Question 15: Is it better to invest in action movies or comedies? Which director would you invest in?**

**图表, 条形图

描述已自动生成**

I choose to do two worksheet to show the two kinds of movies separately, and in each of them show the average revenues of directors as well as the average value of the whole dataset and order them descendently, then use the dashboard to show them together in a single page. From this vis we can see that the average value for directors’ average revenue. It’s obvious that action movies have a higher average revenue, and among directors of action movie we can choose to invest James Cameron since his highest average revenues.

**Question 16: What’s the relationship between IMDB ratings and revenue? Are highly-rated movies more profitable?**

**图表, 条形图

描述已自动生成**

In this visualization, I show the revenue value of movies in this dataset, and the rows are sorted by the average value of IMDB rating of that movies. I’m using average because there are some movies have more than one rating records in this dataset. And from this picture we can see the top rating movies. I’ll draw the conclusion that there is no clear relationship between IMDB rating and final revenue, since movies including Shawnshank and 12 Angry Men are with high rating as well as a low revenue. However, I think there is the conclusion that high rating movies will always have a positive revenue value, which means they are profiting finally.

**Question 18: Who would you invest in?** **图表, 条形图

描述已自动生成**

In this vis, we can obtain the top average revenue directors, because I think the average value is more important than the sum of them. So I think I’ll choose **James Cameron** as my invested directors. Also, we can check the count of his movies in the first part of this vis, we can see that he is having quite a lot works and is always doing well in his movies, which further proves that his movies are stably profiting.