Describe a competition you would like to take part in. You should say:

What the competition is

How you knew it

What you need to prepare for it

And explain why you want to attend it

I am going to describe a machine learning competition that I would like to take part in. It is called ‘Titanic: machine learning from disaster’ that I found on the website Kaggle which is the world’s largest community of data scientist and machine learners. It offers various machine learning competitions such as using news to predict stock movement, finding ship on satellite images as quickly as possible and digit recognizer etcetera. About 100 years ago, during her maiden voyage, the Titanic sank after colliding with an iceberg killing about 1500 out 2200 passengers and crew. One of the reasons that the shipwreck led to such loss of life was that there were not enough lifeboats. Although there was some element of luck involved in surviving the sinking, some groups of people were more likely to survive that others, such as women, children, and the upper-class.

The host will give competitors half of the dataset that includes variables such as age, gender, fare, cabin and survived or not etcetera. Then participants should experiment with different techniques and compete against each other to produce the best models. At last, submission are scored immediately based on the predictive accuracy relative to another half of the dataset, and summarized on a live leaderboard. To take part in this kind of competition, I have to know how to use the a statistical programming language, like R or Python and a database querying language like SQL. And a good understanding of machine learning methods is vital for the data analysis. I am studying machine learning through online course recently, so I want to apply some models and skill learned to some real problem to get real work experiences. This competition provides me this kind of opportunity to hone my skill. I was a kid when the movie ’Tianic’ was released. In my mind, I still keep a picture of all those people. I think I can apply machine learning to distinguish Titanic’s romantic scenes from disaster scenes or I can find extensive of creative thinking regarding what really happened with the Tianic.

I am going to describe an incident happened about 3 month ago. I am the project manager of a small real estate firm whose owner is my uncle. Jiwei is the construction manager of the company we hired to construct our commercial building. At the beginning, my boss required that we must avoid the water leakage problem in the basement. The construction manager and I prepared contingency plan for several possible emergencies that probably could cause this quality problem. Unfortunately, despite our best effort, we still failed to prevent the leakage completely. We found that a seam in the wall of the basement was leaking. My boss blame me for causing the problem seriously even without listening my explanation. I felt seriously wronged because I had already done all of things I could do. However I understood my boss worried about that water leakage would contaminate the future decoration and affect the usage of the basement. But my uncle doesn’t know the specific concrete building process since he is not professional on construction. Jiwei and I found out two mian reasons that caused it. First was the broken of the concrete pump which was an extreme low probability events. The second reason was the extreme hot weather which accelerated the setting process of concrete. It was also a extreme rare case. I also verified through some expert that it was a common issue and 9 of 10 basement had such problem. Two days later, I explained it in details to my boss whose was actually not professional on

Since water leakage will contaminate the future decoration and affect the usage of the basement. However, he promise that they would fix the problem as soon as possible, and assured that it wouldn’t happen again. If the leakage occurred in the future, they would responsible for all the related lost caused by it. But he argued that congestion of the concrete pump that caused the problem was an extreme rare case. I verified this excuse through some experts. So I accepted his sincere timely apology and explanation. However, we still fined them 5000 for this quality problem.