FINAL PROJECT CRITIQUE REPORT

Project title: Performance analysis of tennis players.

Reviewee's name: **Abhinav Prabhu Adarapuram**

Reviewer's name: **Abhishek Kumar Thakur**

Coverage of 3 courses areas – Supervised/Cluster/Association:
Medium **(9 / 10)**

Dataset size needs stated criterion:
Yes

Relevancy:
Good **(8.5 / 10)**

Difficulty:
Average **(8 / 10)**

Interestingness:
Good **(9 / 10)**

Clarity:
Good **(8.5 / 10)**

Originality:
Good **(8 / 10)**

Creativity:
Good **(7.5 / 10)**

Additional Comments:

Abhinav's final project is based on statistical modeling applied over a tennis database. His database is data-rich which has rows × columns greater than 100K. The database includes information regarding tennis players from different countries and their career performance like winner's hand, loser's hand, number of aces performed and so on. He targeted the number of aces made by the player for regression part. The Random forest method is the most effective method in this case. He focused on whether the player uses his left hand or right hand for playing tennis match and their winning ratio for the classification part. He came up with some interesting clusters which are a good way to describe the tennis dataset and the performance of the players. He used Principle component analysis, NbClust and other clustering methods for the purpose. Further he has applied statistical association rules over the dataset and found some rules which can describe the information in a better way.

Overall his project is very good. He has shown the potency of various statistical methods by applying those methods over the tennis dataset to understand the dataset in a better way.