Code The Game

Objective

The goal of the problem is to use the power of data analytics to analyse IPL matches and build your IPL Dream Team.

Structure

You've probably come across tons of fantasy cricket sites, where you select 11 players before the start of a season and then depending on how your well the players you selected perform, you just might become eligible for the prizes on offer. We have a similar Problem.

The Competition will be in **Two phases**. In the **First phase** of the Competition, participants will analyse some of the past matches of the players and try to identify key match events i.e. events that had a major impact on the match, and in the **Second phase** of the participants will assign a score to each player depending on his contribution in those key events identified in the first stage. The match which the participants have to analyse will be an IPL match.

Stage – 1:

From a data analytics perspective participants can look at each ball played in the match as an event. An event in our case would be characterized by the following fields <F1> <F2> .... <FN> <ESPNCommentary>

In this stage of the problem you need build model that can identify the **top-50 major** events in the match.
A major event here could be anything ranging from the fall of a key wicket or 6 sixes, to just taking a single on the last ball of the last over. **In short participants should look for events that had a strong impact on the match.**

Pay special attention to the last field (i.e. ESPN Commentary) that is provided, since this can be quite instrumental in building a good model.

For example game changing events and hence extremely important events would be characterized by explosive or large ESPN commentary whereas regular balls which didn't have much impact on the match might have a single line or no commentary at all.

Stage – 2:

Now after Participants identified key events in the match, it's time to look at the contribution of players in these events.

A few points to note regarding this

1) Some of the events shortlisted in the first stage could be more important than others and hence treating them all equally could be quite erroneous

2) The fields from F1 - FN, would help in identifying the contribution of batsmen and bowlers but not of fielders. You could again use the commentary for identifying and significant fielding contributions.

3) Participants need to analyse all matches of IPL and give players a rating in each match and an average rating for the whole tournament, based on which, participants have to make a Dream Team of the tournament.

DATA

The IPL Match Data which is to be analysed for Stage-1 is available at
http://www.techfest.org/resources/MIvsKKR.pdf

Important Guidelines

Language to be used : Any open source language

Platform : IBM Bluemix . https://www.ibm.com/cloud-computing/bluemix/

Watson APIs to be used : Discovery, Alchemy API & ML Tools on IBM BlueMix
: https://www.ibm.com/watson/developercloud/discovery.html

Outcome in the form of : UI where one can upload match data and get the output

Timeline

1. Last date for registration: 1st November
2. Last date for Final Analysis Report of Stage-1 (for all registered teams): 1st November
3. Results and Shortlisting of top 30 teams: 27th November
4. Preparation for Stage-2 (for top 30 teams): 27th November-28th December
5. Presentation of your complete report: 29th-31st December 2017 at Techfest, IIT Bombay

Registration and Submission

The Participants have to register on the official Techfest Website and fill all the necessary details : www.techfest.org > Competitions > Code The Game > Register.

Abstract Submission:

Teams will be required to submit one report to codethegame@techfest.org . This report should contain the idea they are looking forward to work on.

Abstract Format (for Stage 1)-

1. Title

2. Complete Code and other necessary files

3. Aspects you have taken into account for important events

4. Alternate approaches

5. A link of the google drive folder containing all the Results

6. Conclusion from Result

7. Any other Details regarding your Analysis of the Problem

Submission Format-

The project report should be emailed to codethegame@techfest.org with the subject

Code The Game Report: Team Id (For example: Code The Game: CG1234). Teams must follow the following details for the submission:

1. The abstract must be submitted in pdf format only

2. Font: Arial

3. Size: 11

4. Spacing between two lines: 6 pts

5. Spacing between two paragraphs: 10 pts

6. Bottom margin: 1 inch

SHORTLISTING

Top 30 teams will be selected and would get the chance to participate in the Final Round at Techfest, IIT Bombay which is from 29th-31st December, 2017.

General Rules

1. Every team has to register online on our website for the competition. A Team ID will be allocated to the team on registration which shall be used for future references.
2. A team can register at any point of time before 1st November 2017 and can submit final abstract and video (as mentioned in the structure).
3. **The decision of the organizers or judges shall be treated as final and binding on all. Techfest has all the rights to verify the identity and accuracy of the details provided by the participants**.
4. No responsibility will be held by Techfest, IIT Bombay for any late, lost or misdirected entries.
5. **The idea presented by the teams should be original** (not protected by means of patent/copyright/technical publication by anyone).
6. Note that at any point of time the latest information will be that which is on the website. However, registered participants will be informed through mail about any changes.

Eligibility:
All students with a valid identity card of their respective educational institutions are eligible to participate.

Team Specifications:
● One team can have a maximum of 4 members.
● Students from different institutes can be in the same team.

Certificate Policy:
● Certificate of Excellence will be awarded to the top 3 teams
● Certificates of Participation will be given to all the teams who qualify first round of the competition

TUTORIALS:

Primary Watson APIs Link which will help the Participants to solve the problem
https://www.ibm.com/watson/services/discoveryhttps://www.ibm.com/watson/services/natural-language-understanding

FORUM FOR QUERIES:
https://join.slack.com/t/dream11queries/shared_invite/MjI2NzU5ODgwNjk0LTE1MDI1NjczMTktZWM3YTI3MDg1Ng

https://www.facebook.com/IBMUR/

CERTIFICATE POLICY:

● Top three teams in the grand finale will be awarded Certificate of Excellence.

● E-Certificate of participation will be given to the teams scoring more than the critical marks which will be decided later.

Prizes:

The Prize money will be awarded to Winners via NEFT and will be processed within 20 working days after the receiving the Prize Money from Sponsors.
The Winner have to mail the following information (immediately after announcement of results) to prithviraj@techfest.org.
Subject: Compi Name, team id- your position (example- Vise Clutch, VI1003- 3rd Position)
Body of mail-
1.Account Holder's Name
2.Account Number
3.Bank name and Branch name.
4.IFSC Code