

# DISCLAIMER

TEAMS CAN ONLY WIN 1 OF THE THREE MAIN TRACKS. HOWEVER TEAMS CAN APPLY TO ALL THREE BUT WHICHEVER ONE THE PROJECT WILL SCORE HIGHEST ON WILL GET THE PRIZE

For example, if teams make valid projects applicable to multiple tracks, they will be judged accordingly. When the tallies are being done, if the project scores the highest in two tracks, whatever the highest point value of the two tracks will be the winner of that track.

The only restriction is here. Projects can win multiple other tracks. For example, a team can win Best Startup Hack, all the MLH tracks, and one of the three main tracks.

## **Kings (NBA 2KL // Kings Guard Gaming)**

The Sacramento Kings participate in the NBA 2K League under the team name Kings Guard Gaming. The 2nd season concluded in August and the 3rd season will begin in March 2020.

Each game consists of 5 players on each team who use their own unique characters (not existing NBA players) to play one of the following positions (PG, SG, SF, PF, and C). Quarters last 6 minutes and each team is unable to switch positions during the game.

Each of the 5 players is required to select one of 5 archetypes for their given position before every game. The attributes/abilities that these archetypes provide widely differ. For example, some archetypes' skillset prioritize shooting at the expense of poorer defense while others thrive at defense but have poorer passing. Players are not able to change archetypes during the middle of games but can between games.

The league is a new experience for many organizations and teams constantly switched positions and archetypes in hopes of finding their perfect fit. Many teams that struggled to win games had trouble finding a consistent lineup for their team.

Based on the above information, provided stats, and your research, provide any or all of the following:

- Create a player model that ranks all league 126 players in terms of their skill, contribution towards winning, etc.
  - Looking at Kings Guard Gaming specifically, what were our team's biggest strengths/weaknesses? How did our team and players rank among the league?
- Any other unique findings from looking at data and information?

Things to consider in your analysis, but are not limited to: A team's strength of schedule, A player's usage rating, Stats recorded in "garbage time," Did certain players perform better when playing Home vs Away?

**\*Please Note\*** - Focus solely on stats from Season 2

Archetype info can be found on <https://2kleague.nba.com/official-archetype-info/>

Archetype selections for teams can be found at the beginning of each game

Full game film can be found on <https://twitch.tv/nba2kleague>

Player and team stats can be found on <https://2kleague.nba.com/>

Game schedule and stats can be found on <https://2kleague.nba.com/>

## **IBM Z and Machine Learning for Social Good**

Come and learn about the IBM Z with Machine Learning platform, and how you can leverage anything and everything from health, to data analytics, to fintech and and more!

**Health**

1. Build Health related projects that have societal impact. Those that do UC Davis Center for Data Science and Artificial Intelligence Research's (CeDAR) track will also be entered into the Health track. It is possible to win the Health track and the CeDAR sponsor track.