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## **APPROVED PROPOSAL : NBA**

### **I. Big Data Problem**

Given NBA players' stats per season, how do we determine how many 3-point shots are attempted per season as compared to total shots attempted? With that, we aim to see the change in behavior in terms of NBA league's shot selection on a season-to-season basis. Results will be visualized in a histogram.

### **II. Description of Data Source**

For NBA Stats:

Map Reduce 1: Aggregate how many 3-point shots attempted per team per season and total field goals attempted per team per season

Ex. The Toronto Raptors average 30 3-point shot attempts per game and 80 total field goal attempts per game in the '12-'13 season.

Map Reduce 2: 3-point shots attempted over total field goals attempted per season as a whole.

Ex. The NBA is averaging 30% of its shot attempts being 3-point shot attempts in the '12-'13 season.