For two basketball players with similar playing times and team win percentages, how big of an influencing factor is draft number and team performance on the valuation of each player's second contract. We are just estimating the valuation in dollars of the players, and are only looking at data of the second contract after the year 2000. In regression terms, the regression we are doing is a multiple linear regression. The precise thing we are estimating is seeing the curve produced from r after the curve f(x) = which predicts the second contract salary.

Pasted below is a vector containing an average of 60 vectors that essentially represents the difference in salary between a player playing on a team with a winning percentage of 0.75 and 0.25 along with that estimate at 49 different thresholds of minutes per game. Thus, if graphed correctly on a plot, we would be able to completely visualize the effect of team performance, draft pick # and their correlations to minutes played while predicting second contract salary. Unfortunately, we were not able to code the plot in time, but it is definitely a future endeavor that we anticipate performing.

MPG$MPG	ATE
0	-54519.24
1	-54696.42
2	-54866.91
3	-55030.69
4	-55187.73
5	-55338.02
6	-55481.52
7	-55618.22
8	-55748.10
9	-55871.13
10	-55987.29
11	-56096.57
12	-56198.93
13	-56294.36
14	-56382.85
15	-56464.36
16	-56538.87
17	-56606.38
18	-56666.85
19	-56720.27
20	-56766.61
21	-56805.86
22	-56838.01
23	-56863.02
24	-56880.88
25	-56891.57
26	-56895.07
27	-56891.37
28	-56880.44
29	-56862.27
30	-56836.83
31	-56804.12

32	-56764.11
33	-56716.79
34	-56662.14
35	-56600.13
36	-56530.76
37	-56454.01
38	-56369.86
39	-56278.29

40	-56179.28
41	-56072.83
42	-55958.92
43	-55837.52
44	-55708.62
45	-55572.22
46	-55428.28
47	-55276.81
48	-55117.77