# Homework #1

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**"Adjust" the dice or play with the random number generator. Can you get them to roll a 6 more or less often than would be expected? How would you know - what is "more often"? Can you write some code in R that will simulate a fair roll?**

```
I think if I adjusted the dice and tried rolling it, it wouldn't have an effect on whether the dice wou
```

**Can you write some code in R that will simulate a fair roll?**

```
dice = c("1", "2", "3", "4", "5", "6")
sample(x = dice, size = 20, replace = TRUE)
```

**Replicate the commands given in the lecture notes R Basics for Lecture 1 to do some simple stats on the PUMS-NY data. Those notes request that you find average ages for men and women after accounting for the top-coding. Tell me something else interesting, that you learned from the data, for example about educational attainments in different neighborhoods in the city. Are there surprises for you?**

```
The data has a lot of information, but something that I found interesting was the relation between diff
```

```
load("acs2017_ny_data.RData")
```