## Homework 3 - Report

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You will estimate the power-law scaling model, and its uncertainty, using the data alluded to in lecture, available in the file gmp.dat from lecture, which contains data for 2006.

```
gmp <- read.table("../data/gmp.dat")
gmp$pop <- round(gmp$gmp / gmp$pcgmp)</pre>
```

1. First, plot the data as in lecture, with per capita GMP on the y-axis and population on the x-axis. Add the curve function with the default values provided in lecture. Add two more curves corresponding to a = 0.1 and a = 0.15; use the col option to give each curve a different color (of your choice).

## **US Metropolitan Areas, 2006**

