

Exer 1.1

[Computation/intro/intro107]

This exercise is about simple ways to summarize data stored in data frames. In R, give the command

```
> data(USArrests)
```

This creates a data frame named `USArrests` with some crime statistics: arrests per 100,000 residents for assault, murder, and rape in each of the 50 US states in 1973. Also given is the percent of the population living in an urban area.

```
> USArrests
```

	Murder	Assault	UrbanPop	Rape
Alabama	13.2	236	58	21.2
Alaska	10.0	263	48	44.5
Arizona	8.1	294	80	31.0
Arkansas	8.8	190	50	19.5

... and so on.

Answer the following questions by giving the appropriate R command:

- What is the mean assault rate? 56.4 103.8 170.8 220.3 264.0 Exer 1.1-1
- What is the maximum fraction of the population that lives in an urban area? 43 59 86 91 95 98 Exer 1.1-2
- What is the median murder rate? 2.42 5.62 7.25 8.31 9.45 Exer 1.1-3

Cut out the commands and responses from your R session and enter them here:

Enter Text Exer 1.1-4