This exercise uses the data from assignment 4.

```
cps <- read.csv("http://home.cc.umanitoba.ca/~godwinrt/3040/assign4.csv")
attach(cps)
```

1.

a) Estimate the return to an additional year of education, in terms of hourly wage.

b) Test the null hypothesis that the return to education is $5.

c) Test the null hypothesis that the return to education is $0.

d) Construct a 95% confidence interval around *education*.

2.

a) Calculate the sample mean wage for men and for women.

b) Regress *wage* on *male*. Interpret the estimated coefficient on the dummy variable.

c) Test the null hypothesis that there is no difference between the wages of men and women.