```
       faminc      cigtax     cigprice       bwght     fatheduc  \
count  1388.000000  1388.000000  1388.000000  1388.000000  1192.000000
mean     29.026657    19.552954   130.559006   118.699568    13.186242
std      18.739285     7.795598    10.244485    20.353964     2.745985
min       0.500000     2.000000   103.800003    23.000000     1.000000
25%      14.500000    15.000000   122.800003   107.000000    12.000000
50%      27.500000    20.000000   130.800003   120.000000    12.000000
75%      37.500000    26.000000   137.000000   132.000000    16.000000
max      65.000000    38.000000   152.500000   271.000000    18.000000

        motheduc       parity         male        white         cigs  \
count  1387.000000  1388.000000  1388.000000  1388.000000  1388.000000
mean     12.935833     1.632565     0.520893     0.784582     2.087176
std       2.376728     0.894027     0.499743     0.411260     5.972688
min       2.000000     1.000000     0.000000     0.000000     0.000000
25%      12.000000     1.000000     0.000000     1.000000     0.000000
50%      12.000000     1.000000     1.000000     1.000000     0.000000
75%      14.000000     2.000000     1.000000     1.000000     0.000000
max      18.000000     6.000000     1.000000     1.000000    50.000000

          lbwght     bwghtlbs        packs      lfaminc
count  1388.000000  1388.000000  1388.000000  1388.000000
mean      4.760031     7.418723     0.104359     3.071271
std       0.190662     1.272123     0.298634     0.918065
min       3.135494     1.437500     0.000000    -0.693147
25%       4.672829     6.687500     0.000000     2.674149
50%       4.787492     7.500000     0.000000     3.314186
75%       4.882802     8.250000     0.000000     3.624341
max       5.602119    16.937500     2.500000     4.174387
#Wooldridge Computer Exercise C1.2
Question i
Number of women in the sample: 665
The number of women that smokes during pregnancy is 212
Question ii
The average number of cigarettes smoked per day is about 2.09

This average is not a good measure of the "typical" woman because there are some women in the data that don't smoke at all,
yet their average cigarettes smoked per day got counted higher than 0. Also, there could be other variables, such as women's
level of education and income, that haven't been considered together with the average cigarettes per day. Therefore,
we have to consider more things when we're analyzing data for a typical woman.
```

Question iii
Among women who smoked during pregnancy, the average number of cigarettes smoked per day is 13.67
Question iv
Average of "fatheduc" in the sample is 13.186241610738255
Only 1,192 observations used to compute this average because some data could be missing.
Question v
The average family income in dollars is $29.026657
The standard deviation of family income in dollars is $18.739285
Question vi
The difference in average birthweight between smoking mothers and non-smoking mothers is about -8.91
Question vii
Correlation between bwght and family income is 0.11
Correlation between bwght and mother's education 0.07
Correlation between bwght and number of cigarettes smoked per day is -0.15
Highest in magnitude is the correlation between bwght and number of cigarettes smoked per day.

The signs of the correlation do make sense.
Since the correlation between bwght and number of cigarettes smoked per day has a negative sign, it
indicates that cigarettes smoked per dayassociates with lower birth weight.
Although education and income have a postive sign with birth weight, they have little to none association
with birth weight since the correlation number is close to 0.

Question viii
Correlation between faminc and bwght in ounces is 0.10893684257363548
Correlation between faminc and bwght in pounds is 0.10893684257363548
Covariance between bwght and faminc is, 41.55055226693318
Covariance between bwghtlbs and faminc is, 2.596909516683324
Covariance between bwght_ounces and faminc is, 41.55055226693318

The correlation values don't change, but the covariance value does change based on the information we found.