# Machine learning. Practical task 1.

Download the Adult training data set: `http://archive.ics.uci.edu/ml/datasets/Adult` (file `adult.data`) and answer the following questions using IPython Notebook, Pandas and other tools.

1. How many males and females are there?

2. What is the mean male age?

3. What is the proportion of the US citizens?

4. Plot the distribution of people's education as a bar plot.

5. What is the mean and standard deviation of the "final weight" for divorced people?

6. Is it true that the people who receive over 50k are mostly highly educated?

7. What is the maximum male and female age for each race?

8. The people from which countries work as farmers/fishers?

9. Consider the ratio of the number of 1) male bachelors to male masters, and 2) female bachelors to female masters. Which one is higher?

10. What is the largest number of hours a person works a week? How many people who work this number of hours are there? What is their income?

You have to provide your `.ipynb` file as a result.