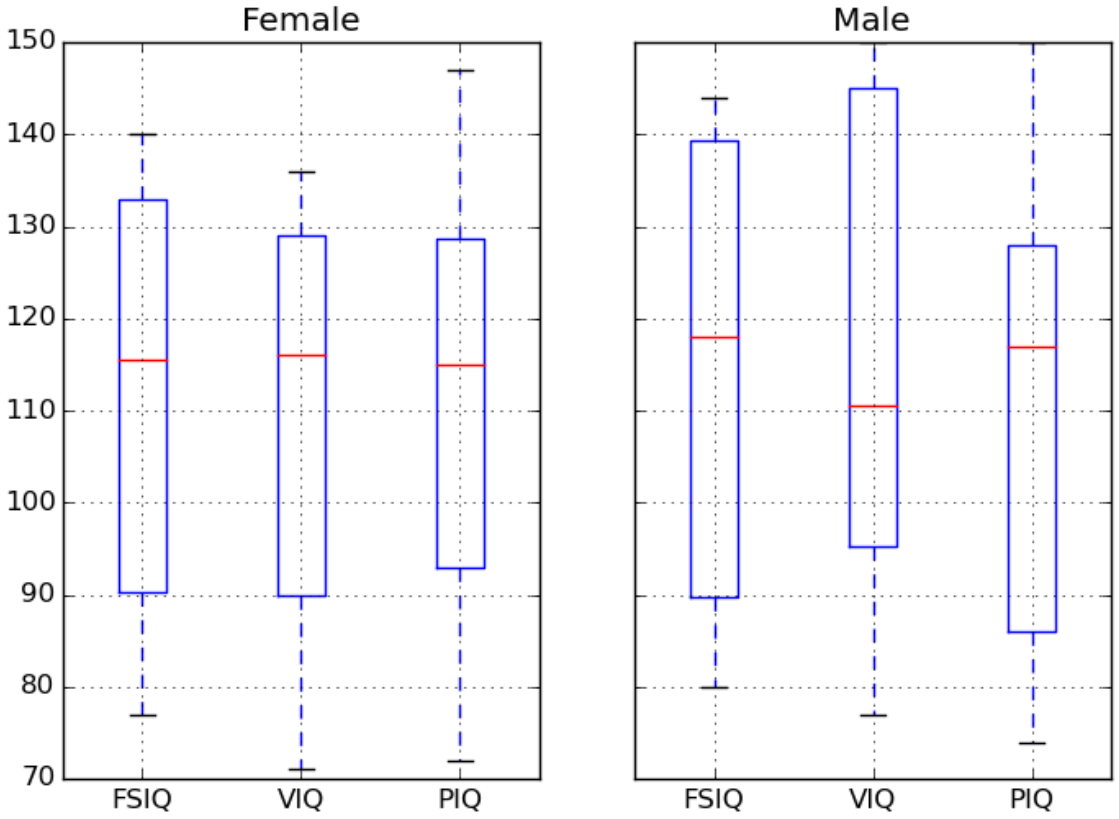
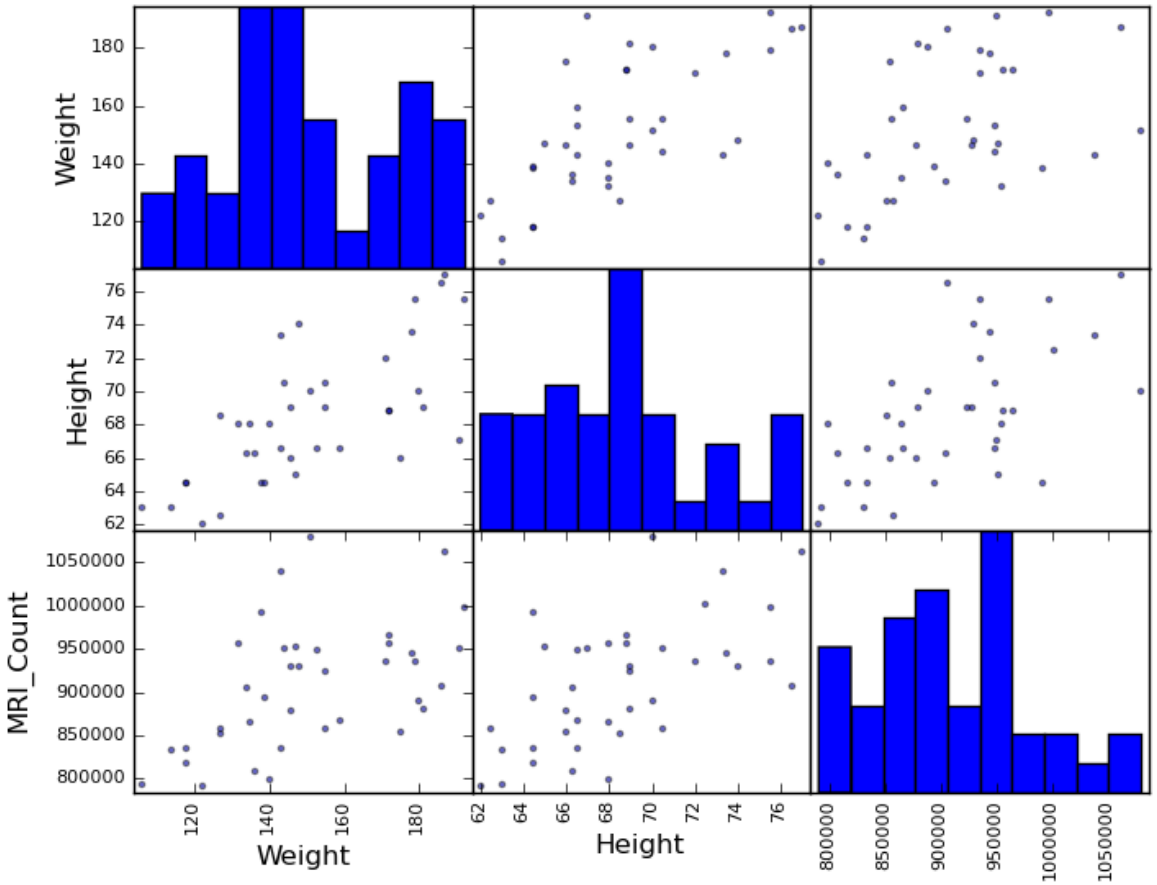
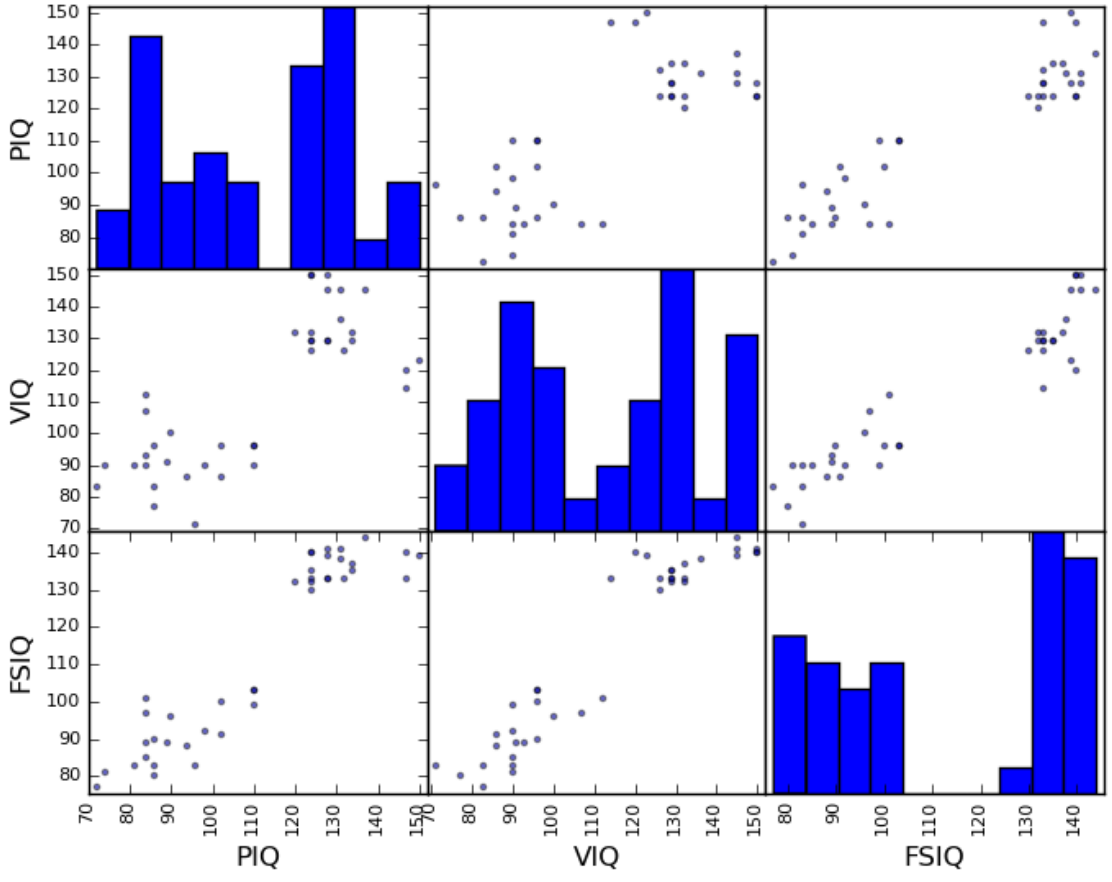
3.1.6.1.1.2. Plotting simple quantities of a pandas dataframe

This example loads from a CSV file data with mixed numerical and categorical entries, and plots a few quantities, separately for females and males, thanks to the pandas integrated plotting tool (that uses matplotlib behind the scene).

See http://pandas.pydata.org/pandas-docs/stable/visualization.html







Python source code: `plot_pandas.py`

```
import pandas

data = pandas.read_csv('brain_size.csv', sep=';', na_values=
      '.')

# Box plots of different columns for each gender
groupby_gender = data.groupby('Gender')
groupby_gender.boxplot(column=['FSIQ', 'VIQ', 'PIQ'])

from pandas.tools import plotting

# Scatter matrices for different columns
plotting.scatter_matrix(data[['Weight', 'Height',
      'MRI_Count']])
plotting.scatter_matrix(data[['PIQ', 'VIQ', 'FSIQ']])

import matplotlib.pyplot as plt
plt.show()
```

Total running time of the example: 0.96 seconds (0 minutes 0.96 seconds)