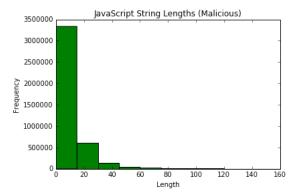
In [46]: %matplotlib inline import matplotlib import matplotlib.pyplot as plt import numpy as np from scipy import stats f = open("StringLengthOne1.txt", "r") StrLenValues=[] for line in f: line = line.strip("\n") StrLenValues.append(int(line)) f.close() arr = np.array(StrLenValues) m = stats.mode(arr) print'Mode: %d occurs %d times' %(m[0], m[1]) print print plt.hist(arr, range=[0,150], color='green', bins=10) plt.title("JavaScript String Lengths (Malicious)") plt.xlabel("Length") plt.ylabel("Frequency") Maximum String Length :120143

Out[46]: <matplotlib.text.Text at 0x7fbf6d3a9790>

Mean String Length :21.0 Mode: 3 occurs 504194 times



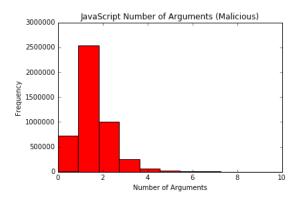
```
In [47]:
            f = open("NumArgOne1.txt", "r")
            NumArgValues=[]
            for line in f:
                line = line.strip("\n")
                NumArgValues.append(int(line))
            f.close()
            arg_arr = np.array(NumArgValues)
            print'Maximum Number of Arguments :%d' %(np.max(arg_arr))
            print'Mean
                         Number of Arguments :%4.1f' %(np.mean(arg_arr))
            m = stats.mode(arg_arr)
            print'Mode: %d occurs %d times' %(m[0], m[1])
            print
            print
            plt.hist(arg_arr, range=[0,10], color='red', bins=11)
            plt.title("JavaScript Number of Arguments (Malicious)")
            plt.xlabel("Number of Arguments")
            plt.ylabel("Frequency")
            Maximum Number of Arguments :222
```

Out[47]: <matplotlib.text.Text at 0x7fbf6d2c9ed0>

Mode: 1 occurs 2541473 times

Mean

Number of Arguments : 1.3



```
In [48]:
              f = open("NumNodesOne1.txt", "r")
              NumNodesValues=[]
              for line in f:
                  line = line.strip("\n")
                  NumNodesValues.append(int(line))
              f.close()
              nodes_arr = np.array(NumNodesValues)
              print'Maximum Number of AST Nodes :%d' %(np.max(nodes_arr))
print'Mean    Number of AST Nodes :%4.1f' %(np.mean(nodes_arr))
              m = stats.mode(nodes_arr)
              print'Mode: %d occurs %d times' %(m[0], m[1])
              print
              print
              plt.hist(nodes_arr, range=[0, 2000], color='blue', bins=10)
              plt.title("JavaScript Number of AST Nodes (Malicious)")
              plt.xlabel("Number of AST Nodes")
              plt.ylabel("Frequency")
```

Maximum Number of AST Nodes :216962
Mean Number of AST Nodes :4391.2
Mode: 0 occurs 1673 times

Out[48]: <matplotlib.text.Text at 0x7fbf6d1b3490>

