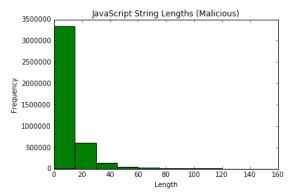
## In [6]: %matplotlib inline $import\ matplotlib$ import matplotlib.pyplot as plt import numpy as np from scipy import stats f = open("StringLengthOne1.txt", "r") StrLenValues=[] for line in f: line = line.strip("\n") StrLenValues.append(int(line)) f.close() arr = np.array(StrLenValues) m = stats.mode(arr) 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")

Maximum String Length :120143 Mean String Length :21.0 Mode: 3 occurs 504194 times

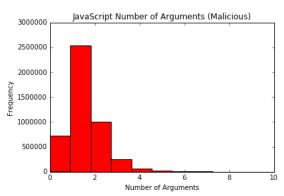
plt.ylabel("Frequency")

## Out[6]: <matplotlib.text.Text at 0x7f3d2f84c210>



Maximum Number of Arguments :222
Mean Number of Arguments : 1.3
Mode: 1 occurs 2541473 times

## Out[7]: <matplotlib.text.Text at 0x7f3d2d6fcc10>



```
In [8]:
              f = open("NumNodesOne1.txt", "r")
              NumNodesValues=[]
              for line in f:
                  line = line.strip("\n")
                  x = int(line)
                  if x != 0 :
                     NumNodesValues.append(x)
              f.close()
              nodes_arr = np.array(NumNodesValues)
              print'Number of Javascript files processed %d' %(len(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=[1, 2000], color='blue', bins=10)
              plt.title("JavaScript Number of AST Nodes (Malicious)")
              plt.xlabel("Number of AST Nodes")
              plt.ylabel("Frequency")
```

Number of Javascript files processed 15555 Maximum Number of AST Nodes :216962 Mean Number of AST Nodes :4863.5 Mode: 14 occurs 989 times

## Out[8]: <matplotlib.text.Text at 0x7f3d2af81590>

