L03

September 5, 2012

Contents

1 heading 1

1.1 subheading

Type C-c C-c

```
print 4 + 5
print 'test'
for i in range(4):
    print i
```

```
9
test
0
1
2
3
```

```
import matplotlib.pyplot as plt
import numpy as np

x = np.linspace(-3, 3)
```

```
y = np.exp(-x**2)

plt.plot(x,y, 'gs')
plt.xlabel('x-axis')
plt.ylabel('y-axis')
# Note it was a bad idea to use lecture3.1.png as a file name. It
# confused latex because it did not know an extension of .1.png
plt.savefig('lecture3-1.png')
```

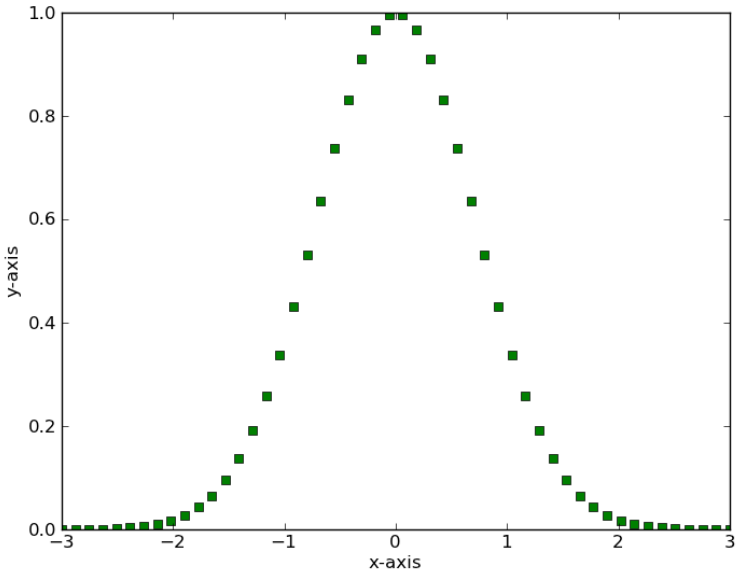

Figure 1: my beautiful first figure

2 Notes on exporting.

I have MikTeX 2.9 installed. To export the syntax highlighted code, you must enable the execution of external commands.

In my git bash shell I ran:

```
initexmf --edit-config-file=miktex/config/pdflatex.ini
```

which opened up notepad. I put this line in the file:

```
EnableWrite18=t
```

Saved the file and closed it. Now, I can export this file by typing `C-c C-e d` and I get a pdf file.