Contents

1 Org Mode Python

Obviously ever thing is better in Emacs. With a bit of setup, found here, it is possible to have plain text, org style formatting and, evaluated code, and images at the tips of your finger.

1.1 Benefits:

- Org-mode is highly extensible
- Auto complete, pep8 and other options are available
- Git integration is far easier

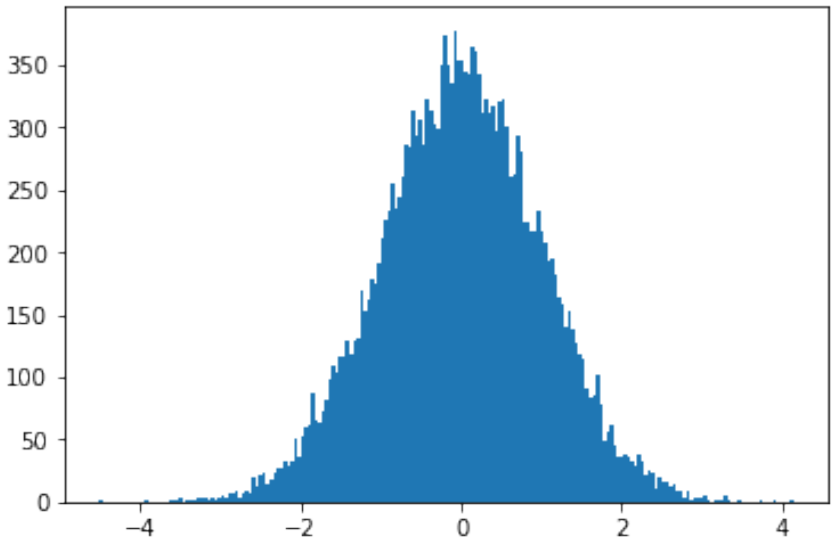
1.2 Limitations

- Messy interactive graphs
- Hard to set up
- Vim users look at you weird

1.3 Examples:

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

%matplotlib inline
plt.hist(np.random.randn(20000), bins=200);
```



It is trivial to mix code and analysis.

```
def foo(x):
    return x + 9

[foo(x) + 7 for x in range(7)]

[16, 17, 18, 19, 20, 21, 22]
```

1.3.1 Issues:

Care must be taken to name code chunks

```
try:
   foo(1)
except :  print("Did not work")
```

This one is named correctly.

```
foo(4)
print("did work")
```

My current setup after getting a new laptop is subpar, still check it out.