

# Histogram example

```
In [1]: import pandas as pd
store = pd.HDFStore('/Volumes/FreshBooks/data/store.h5')
may07 = store['may07']
```

```
In [2]: # bins is all the edges of the bins
# e.g. bins = [1, 2, 3, 4] defines the ranges
# [1,2), [2,3), and [3,4]
bins = [2**x for x in range(-10, 10)]
```

```
In [3]: xscale('log')
xlim((bins[0], bins[-1]))
xlabel('Response time (s)')
ylabel('# of requests that took that long')

hist(may07['elapsed'], bins=bins)
```

```
Out[3]: (array([ 0, 24, 187141, 347874, 488751, 529416, 160609, 96496,
34292, 14574, 9848, 20565, 969, 237, 77, 56,
8, 0, 0]),
array([ 9.76562500e-04, 1.95312500e-03, 3.90625000e-03,
7.81250000e-03, 1.56250000e-02, 3.12500000e-02,
6.25000000e-02, 1.25000000e-01, 2.50000000e-01,
5.00000000e-01, 1.00000000e+00, 2.00000000e+00,
4.00000000e+00, 8.00000000e+00, 1.60000000e+01,
3.20000000e+01, 6.40000000e+01, 1.28000000e+02,
2.56000000e+02, 5.12000000e+02]),
<a list of 19 Patch objects>)
```



