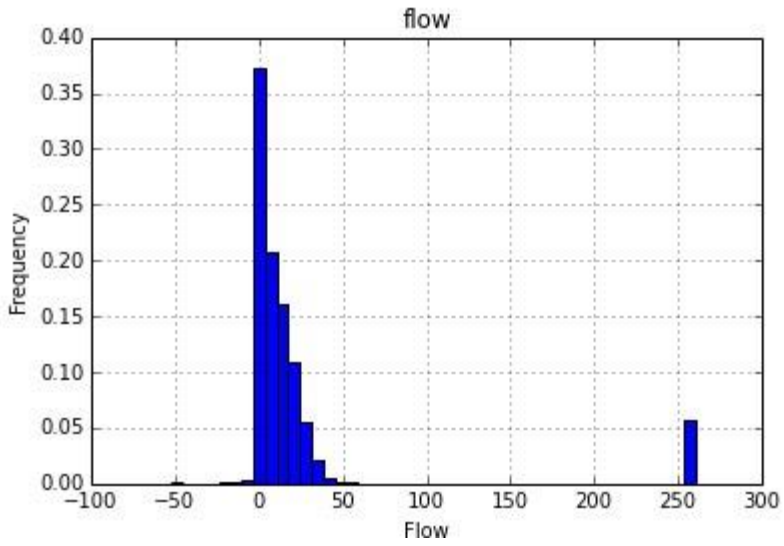
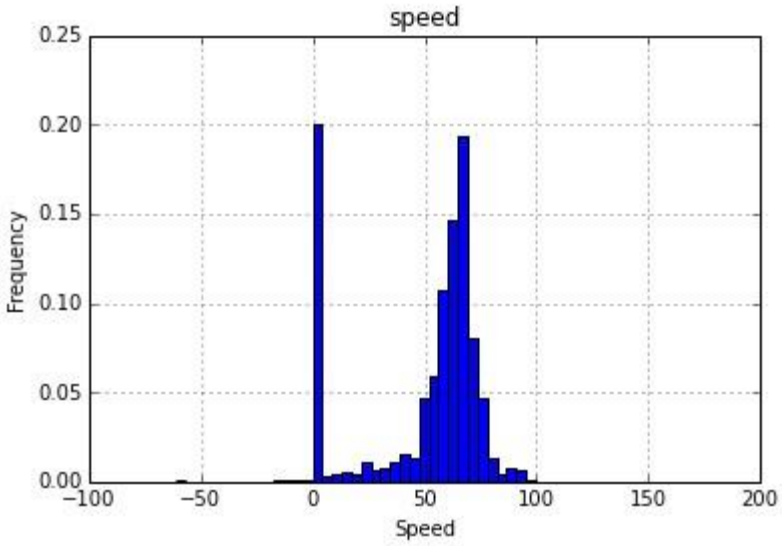
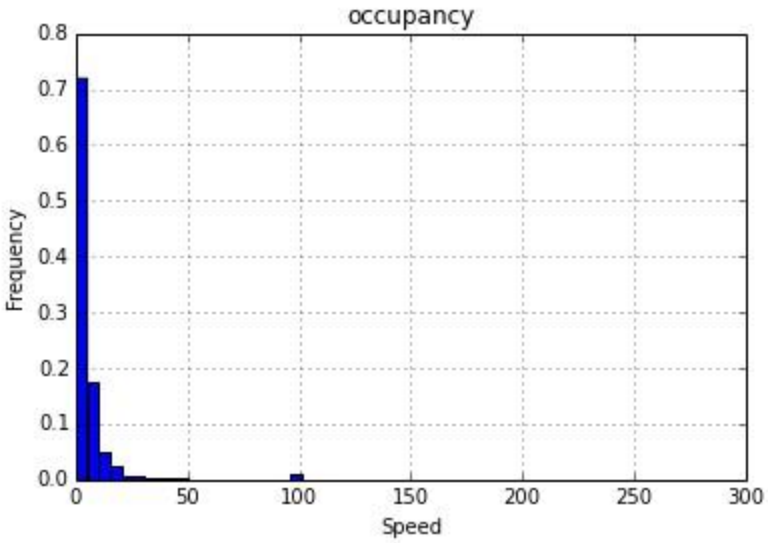
```
import pylab import pandas as pd
events_ds = pd.read_csv("path/cleaning_test_06_09.tsv", sep='\t');

events_grouped = events_ds.groupby('flow')
%matplotlib inline
# show the percentage of each response code import matplotlib.pyplot
as plt tot = events_ds['flow'].size event_size = events_grouped.size()
flfr = pd.DataFrame({'flow':event_size.index, 'count':event_size.values})

flfr['wt'] = flfr.apply(lambda row: float(row['count'])/float(tot), axis=1)
flfr
flfr.hist('flow',weights=flfr['wt'],bins=50 )
plt.ylabel('Frequency') plt.xlabel('Flow')
plt.show()
```




```
speed_grouped = events_ds.groupby('speed') event_size =

speed_grouped.size() flfr = pd.DataFrame({'speed':event_size.index,

'count':event_size.values})


flfr['wt'] = flfr.apply(lambda row: float(row['count'])/float(tot), axis=1)

flfr

flfr.hist('speed',weights=flfr['wt'],bins=50 )

plt.ylabel('Frequency') plt.xlabel('Speed')

plt.show()
```




```
speed_grouped = events_ds.groupby('occupancy') event_size =
speed_grouped.size() flfr = pd.DataFrame({'occupancy':event_size.index,
'count':event_size.values})

flfr['wt'] = flfr.apply(lambda row: float(row['count'])/float(tot), axis=1)
flfr
flfr.hist('occupancy',weights=flfr['wt'],bins=50 )
plt.ylabel('Frequency') plt.xlabel('Speed')
plt.show()
```


occupancy
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Frequency
0
50
100
150
200
250
300
Speed