In [5]:
```
import numpy as np
import scipy as sp
import pandas as pd
import matplotlib.pyplot as plt
import io
import urllib

url="https://earthquake.usgs.gov/fdsnws/event/1/query?format=csv&starttime=2016-01-01&endtime=2017-01-02&minmagnitude=4"
url_open = urllib.request.urlopen(url)
df=pd.read_csv(io.StringIO(url_open.read().decode('utf-8')), delimiter=',')

url2="https://earthquake.usgs.gov/fdsnws/event/1/query?format=csv&starttime=2017-01-02&endtime=2018-01-02&minmagnitude=4"
url_open2 = urllib.request.urlopen(url2)
df2=pd.read_csv(io.StringIO(url_open2.read().decode('utf-8')), delimiter=',')

url3="https://earthquake.usgs.gov/fdsnws/event/1/query?format=csv&starttime=2018-01-02&endtime=2019-01-02&minmagnitude=4"
url_open3 = urllib.request.urlopen(url3)
df3=pd.read_csv(io.StringIO(url_open3.read().decode('utf-8')), delimiter=',')
new_csv=pd.concat([df, df2,df3])

url4="https://earthquake.usgs.gov/fdsnws/event/1/query?format=csv&starttime=2019-01-02&endtime=2019-10-02&minmagnitude=4"
url_open4 = urllib.request.urlopen(url4)
df4=pd.read_csv(io.StringIO(url_open4.read().decode('utf-8')), delimiter=',')
new_csv=pd.concat([df, df2,df3,df4])

x_mag=new_csv['mag']
y_count_earthqu=new_csv['mag'].count()
plt.yscale('log', nonposy='clip')
plt.xscale('log')
plt.hist(x_mag)
```

In [ ]:
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