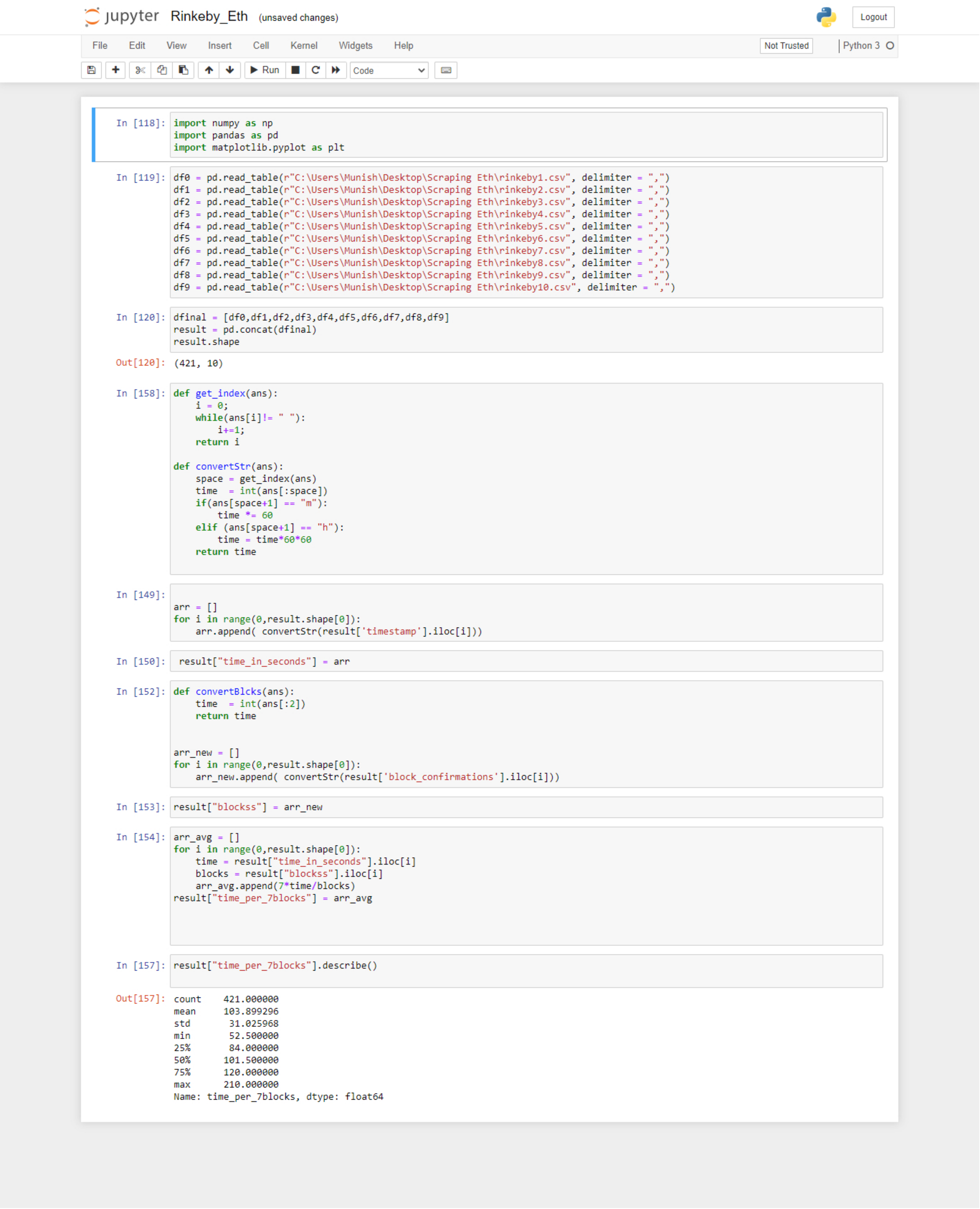
jupyter
Rinkeby_Eth (unsaved changes)
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Python 3
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Code

In [118]:
```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
```

In [119]:
```
df0 = pd.read_table(r"C:\Users\Munish\Desktop\Scraping Eth\rinkeby1.csv", delimiter = ",")
df1 = pd.read_table(r"C:\Users\Munish\Desktop\Scraping Eth\rinkeby2.csv", delimiter = ",")
df2 = pd.read_table(r"C:\Users\Munish\Desktop\Scraping Eth\rinkeby3.csv", delimiter = ",")
df3 = pd.read_table(r"C:\Users\Munish\Desktop\Scraping Eth\rinkeby4.csv", delimiter = ",")
df4 = pd.read_table(r"C:\Users\Munish\Desktop\Scraping Eth\rinkeby5.csv", delimiter = ",")
df5 = pd.read_table(r"C:\Users\Munish\Desktop\Scraping Eth\rinkeby6.csv", delimiter = ",")
df6 = pd.read_table(r"C:\Users\Munish\Desktop\Scraping Eth\rinkeby7.csv", delimiter = ",")
df7 = pd.read_table(r"C:\Users\Munish\Desktop\Scraping Eth\rinkeby8.csv", delimiter = ",")
df8 = pd.read_table(r"C:\Users\Munish\Desktop\Scraping Eth\rinkeby9.csv", delimiter = ",")
df9 = pd.read_table(r"C:\Users\Munish\Desktop\Scraping Eth\rinkeby10.csv", delimiter = ",")
```

In [120]:
```
dfinal = [df0,df1,df2,df3,df4,df5,df6,df7,df8,df9]
result = pd.concat(dfinal)
result.shape
```

Out[120]:
```
(421, 10)
```

In [158]:
```
def get_index(ans):
    i = 0;
    while(ans[i]!= " "):
        i+=1;
    return i

def convertStr(ans):
    space = get_index(ans)
    time  = int(ans[:space])
    if(ans[space+1] == "m"):
        time *= 60
    elif (ans[space+1] == "h"):
        time = time*60*60
    return time
```

In [149]:
```

arr = []
for i in range(0,result.shape[0]):
    arr.append( convertStr(result['timestamp'].iloc[i]))
```

In [150]:
```
 result["time_in_seconds"] = arr
```

In [152]:
```
def convertBlcks(ans):
    time  = int(ans[:2])
    return time


arr_new = []
for i in range(0,result.shape[0]):
    arr_new.append( convertStr(result['block_confirmations'].iloc[i]))
```

In [153]:
```
result["blockss"] = arr_new
```

In [154]:
```
arr_avg = []
for i in range(0,result.shape[0]):
    time = result["time_in_seconds"].iloc[i]
    blocks = result["blockss"].iloc[i]
    arr_avg.append(7*time/blocks)
result["time_per_7blocks"] = arr_avg
```

In [157]:
```
result["time_per_7blocks"].describe()
```

Out[157]:
```
count    421.000000
mean     103.899296
std       31.025968
min       52.500000
25%       84.000000
50%      101.500000
75%      120.000000
max      210.000000
Name: time_per_7blocks, dtype: float64
```