analyse_data

January 31, 2021

[1]:
```
import matplotlib.pyplot as plt
import pandas as pd
```

[2]:
```
df = pd.read_csv("onlocalhost.csv")
df.head()
```

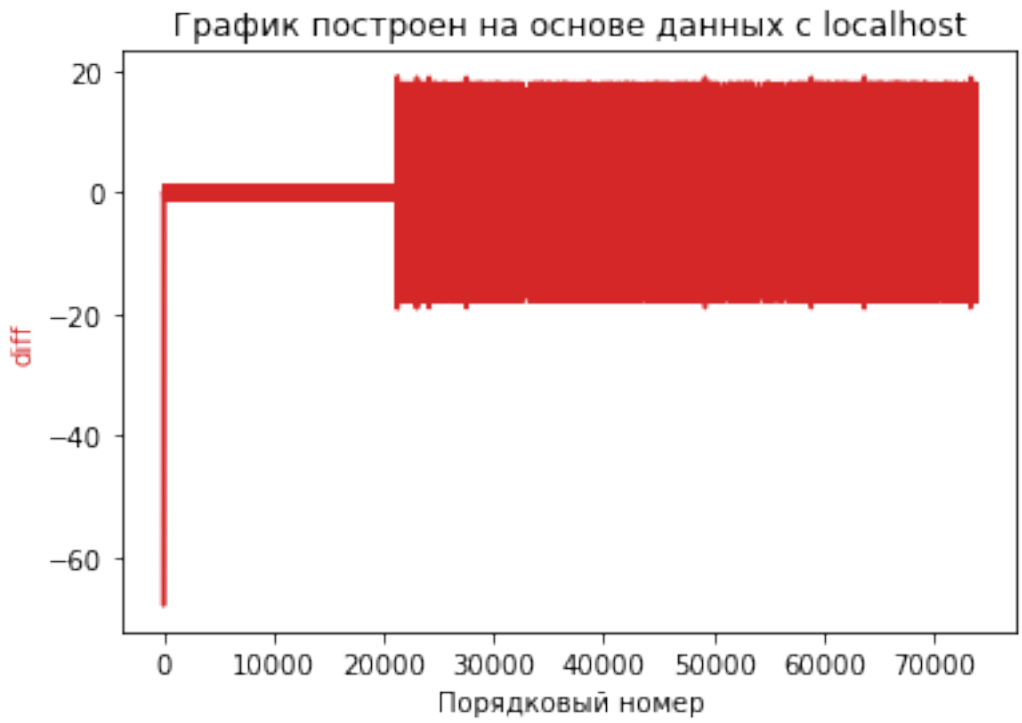
[2]:

	RecvTime	oldRecvTime	SendTime	oldSendTime
0	59258	59258	59057	59057
1	59258	59258	59057	59057
2	59258	59258	59057	59057
3	59258	59258	59057	59057
4	59258	59258	59057	59057

[3]:
```
diff = pd.DataFrame( {"diff":(df["RecvTime"] - df["oldRecvTime"] -␣
↪(df["SendTime"] - df["oldSendTime"]))})
diff = diff[(diff["diff"] < 50000)]
diff = diff[(diff["diff"] > -50000)]
```

[4]:
```
fig, ax1 = plt.subplots()

color = 'tab:red'
ax1.set_xlabel('          ')
ax1.set_ylabel('diff', color=color)  # we already handled the x-label with ax1
ax1.plot(diff,color=color)
plt.title("                      localhost")
plt.show()
```



[5]:
```
df = pd.read_csv("25mschannel.csv")
df.head()
```

[5]:

	RecvTime	oldRecvTime	SendTime	oldSendTime
0	40399	40399	40166	40166
1	40399	40399	40166	40166
2	40399	40399	40166	40166
3	40399	40399	40166	40166
4	40399	40399	40166	40166

[6]:
```
diff = pd.DataFrame( {"diff":(df["RecvTime"] - df["oldRecvTime"] -␣
 ↪(df["SendTime"] - df["oldSendTime"]))})
diff = diff[(diff["diff"] < 50000)]
diff = diff[(diff["diff"] > -50000)]
```

[7]:
```
fig, ax1 = plt.subplots()

color = 'tab:red'
ax1.set_xlabel('          ')
ax1.set_ylabel('diff', color=color)  # we already handled the x-label with ax1
ax1.plot(diff,color=color)

plt.title("""                    ,                  omnet,
```

```
                    25,            40   80""")
plt.show()
```

[8]:
```
df = pd.read_csv("70mschannel.csv")
df.head()
```

[8]:

	RecvTime	oldRecvTime	SendTime	oldSendTime
0	56156	56156	55859	55859
1	56156	56156	55859	55859
2	56156	56156	55859	55859
3	56156	56156	55859	55859
4	56156	56156	55859	55859

[9]:
```
diff = pd.DataFrame( {"diff":(df["RecvTime"] - df["oldRecvTime"] -␣
 ↪(df["SendTime"] - df["oldSendTime"]))})
diff = diff[(diff["diff"] < 50000)]
diff = diff[(diff["diff"] > -50000)]
```

[10]:
```
fig, ax1 = plt.subplots()

color = 'tab:red'
ax1.set_xlabel('          ')
ax1.set_ylabel('diff', color=color)  # we already handled the x-label with ax1
ax1.plot(diff,color=color)
plt.title("""                    ,                  omnet,
```

```
                    70,        150   190""")
plt.show()
```

[11]:
```
df = pd.read_csv("500rate.csv")
df.head()
```

[11]:

	RecvTime	oldRecvTime	SendTime	oldSendTime
0	52437	52437	52204	52189
1	52437	52437	52204	52204
2	52437	52437	52204	52204
3	52437	52437	52204	52204
4	52437	52437	52204	52204

[12]:
```
diff = pd.DataFrame( {"diff":(df["RecvTime"] - df["oldRecvTime"] -␣
 ↪(df["SendTime"] - df["oldSendTime"]))})
diff = diff[(diff["diff"] < 60000)]
diff = diff[(diff["diff"] > -60000)]
```

[13]:
```
fig, ax1 = plt.subplots()

color = 'tab:red'
ax1.set_xlabel('          ')
ax1.set_ylabel('diff', color=color)  # we already handled the x-label with ax1
ax1.plot(diff,color=color)
plt.title("""                    ,                  omnet,
```

```
  250     ,              500   ,                    """)
plt.show()
```

[ ]: