

tickets_12062021

December 6, 2021

1 GSF Sigma Ticket Report 10/11/21-10/18/21

1.1 Load Data

```
[ ]: import pandas as pd
import numpy as np
import glob
import os

# give path to your desired file path
all_files = glob.glob('tickets_*.csv')
file_path = max(all_files, key=os.path.getctime)
print(file_path)

ticket_data = pd.read_csv(file_path, index_col = 0)
ticket_data.index = ticket_data.index.str.capitalize()
```

tickets_12062021.csv

1.2 Guild Weekly Average Tickets

```
[ ]: print(round(ticket_data.iloc[:,4:].stack().replace('-',600).astype('int64').
↪mean(),0))
```

586.0

1.3 Lowest 5 Ticket Averages

```
[ ]: n = 5
lowest = ticket_data["averageTickets"].sort_values().head(n)
print(lowest)
```

Name	
Wil043	514
Tel nadda	515
Plucky haydon	520
Joker	528
Braz	545

Name: averageTickets, dtype: int64

1.4 Number of Missed Ticket Days

```
[ ]: ticket_goal = 600
      # Replacing with 600 so it doesn't count as a strike for getting 0s
      # '-' only occurs for someone who joined in the middle of the week
      # so no ticket data available prior to their join date
      dates = ticket_data.iloc[:, 4:].replace('-',600).astype('int64')
      dates['missed'] = dates[dates < ticket_goal].count(1)
      strike_days = dates[dates['missed'] >= 1]['missed'].sort_values(ascending=False)
      print(pd.DataFrame(strike_days))
```

	missed
Name	
Neeb	3
Braz	3
Maxaron lexilon	2
Plucky haydon	2
Evilcoyote2011	2
Joker	2
Higgs	1
Obi won sebroni	1
Sloppysaberflavor	1
Chaunce	1
Heywood jablowme	1
Gryphix	1
Zlada14	1
Argarax	1
Tel nadda	1
Wil043	1

1.5 All Players with 0s

```
[ ]: dates['zeros'] = dates[dates.iloc[:, :-1] == 0].count(1)
      strike_zero = ticket_data[dates['zeros'] >= 1].index
      print(pd.DataFrame(strike_zero))
```

	Name
0	Plucky haydon
1	Wil043

1.6 Weekly Ticket Average

```
[ ]: ticket_data['averageTickets'].sort_values()
```

```
[ ]: Name
      Wil043          514
      Tel nadda       515
      Plucky haydon   520
```

Joker	528
Braz	545
Zlada14	545
Wamakima5004	548
Akb	557
Heywood jablowme	558
Sloppysaberflavor	560
Agave	561
Evilcoyote2011	561
Justinaalexander11	564
Ilekkund	573
Jamesbond007	576
Chaunce	578
Mltth	580
Ilekkund2	580
Higgs	581
Neeb	582
Gryphix	583
Argarax	584
Babyyodahitta	586
Larping soccer moms	586
Promethean	589
Sultan2309	590
Baxston kane	591
Ottovongens	591
Wolfman314	591
Flywire	591
Masajj vemtits	592
Shootmeow	592
Maxaron lexilon	593
Markkenoburger	594
Tacopizza	594
Guntha arbos	595
Theflavorgreen	595
Calens	595
Obi won sebroni	595
Mini xipokemastrix	596
Exeel	596
Philo beddoe	598
Mini stewabob	598
One	598
Zhil axfow	599
Dark penguin	599
Tommyboy85	600
Loadage	600
Revanche gilder	600
Xipokemastrix	600

Name: averageTickets, dtype: int64