notebook

November 5, 2025

1 Code

[ ]:
```
import json
import re
import os
import pandas as pd
import asyncio

from subprocess import run
from utils.download import capture_firestore_responses
from utils.parser import parse

YEAR = "2025-2026-Q1"

def display_top(df: pd.DataFrame, filename=None) -> pd.DataFrame:
    out = df.copy()
    out = out.reset_index(drop=True)
    out.index.name = "Rank"
    out.index = out.index + 1
    if filename is not None:
        out.to_csv(f"csv/{YEAR}/{filename}_ranker.csv")
    return out


def create_dir_if_absent(dir: str) -> None:
    if not os.path.exists(dir):
        os.makedirs(dir)


await capture_firestore_responses(output_file=f"db/raw/{YEAR}.txt")
df = parse(f"db/raw/{YEAR}.txt", ['name', 'price_out', 'format', 'degree',␣
 ↪'type', 'available'])

df = df[df["Available"] == True]
df["Ratio"] = (df['Degree'] * df['Volume']) / df['Price']
df = df.drop(columns=["Available"])
```

```
df = df.sort_values(by=["Ratio", "Price", "Volume"], ascending=[False, True,␣
 ↪False])
df = df.reset_index(drop=True)
df.index.name = "Rank"
df.index = df.index + 1

create_dir_if_absent(f"csv/{YEAR}")
df.to_csv(f"csv/{YEAR}/ranker.csv")
run(["jupyter", "nbconvert", "--to=pdf", "notebook.ipynb", "--output", "top.
 ↪pdf"], check=True)
# avg time for processing this cell : ~2min
```

```
Navigating to https://quinzaine.org…
Intercepting response from: https://firestore.googleapis.com/google.firestore.v1
.Firestore/Listen/channel?VER=8&database=projects%2Fquinzaine-3fb2e%2Fdatabases%
2F(default)&RID=50211&CVER=22&X-HTTP-Session-Id=gsessionid&zx=pe4c8j4yo0aj&t=1
(Status: 200)
Captured response body chunk (length: 54).
Intercepting response from: https://firestore.googleapis.com/google.firestore.v1
.Firestore/Listen/channel?gsessionid=E74L3YzCcW_6na2t2M7ReGlofBRG-HTVCrYubF1lRrw
&VER=8&database=projects%2Fquinzaine-3fb2e%2Fdatabases%2F(default)&RID=rpc&SID=j
XVuujiXrQ8u4mOw0ZIojQ&AID=0&CI=0&TYPE=xmlhttp&zx=qqifgaete8o7&t=1 (Status: 200)
Intercepting response from: https://firestore.googleapis.com/google.firestore.v1
.Firestore/Listen/channel?VER=8&database=projects%2Fquinzaine-3fb2e%2Fdatabases%
2F(default)&gsessionid=E74L3YzCcW_6na2t2M7ReGlofBRG-
HTVCrYubF1lRrw&SID=jXVuujiXrQ8u4mOw0ZIojQ&RID=50212&AID=5&zx=bobd2gj9eyh3&t=1
(Status: 200)
Captured response body chunk (length: 10).
Captured response body chunk (length: 633560).
Intercepting response from: https://firestore.googleapis.com/google.firestore.v1
.Firestore/Listen/channel?gsessionid=E74L3YzCcW_6na2t2M7ReGlofBRG-HTVCrYubF1lRrw
&VER=8&database=projects%2Fquinzaine-3fb2e%2Fdatabases%2F(default)&RID=rpc&SID=j
XVuujiXrQ8u4mOw0ZIojQ&AID=8&CI=0&TYPE=xmlhttp&zx=vvrlg2u3xn6y&t=1 (Status: 200)
Intercepting response from: https://firestore.googleapis.com/google.firestore.v1
.Firestore/Listen/channel?VER=8&database=projects%2Fquinzaine-3fb2e%2Fdatabases%
2F(default)&gsessionid=E74L3YzCcW_6na2t2M7ReGlofBRG-HTVCrYubF1lRrw&SID=jXVuujiXr
Q8u4mOw0ZIojQ&RID=50213&TYPE=terminate&zx=v11rfzd67f19 (Status: 200)
Response body was empty.
Captured response body chunk (length: 17).
Initial navigation complete. Waiting a bit longer for potential stream data…
Browser closed.

Captured 4 response body chunks.
Captured Firestore response bodies saved to db/raw/2025-2026-Q1.txt
```

2 Top 20, any type of beer

[ ]:
```
display_top(df[df["Volume"] < 75]).head(20)
```

[ ]:

Rank	Name	Price	Volume	Degree	Type	Ratio
1	Kerel Kaishaku Fût	2.5	25	15	Blonde	150.0
2	Kerel Kaishaku	3.5	33	15	Blonde	141.428571
3	Kasteel triple	2.6	33	11	Blonde	139.615385
4	Piraat	2.5	33	10.5	Ambrée	138.6
5	Bush 10	2.5	33	10.5	Blonde	138.6
6	Bush 12 Fût	2.2	25	12	Ambrée	136.363636
7	Chimay rouge	2.2	33	9	Trappiste	135.0
8	Corne du bois des pendus quadruple	3	33	12	Ambrée	132.0
9	Queue de charrue triple	2.3	33	9	Blonde	129.130435
10	Gulden Draak	2.8	33	10.7	Brune	126.107143
11	Westmalle triple	2.5	33	9.5	Trappiste	125.4
12	Kasteel donker	2.9	33	11	Brune	125.172414
13	Peak grand cru	2.8	33	10.5	Brune	123.75
14	Rochefort triple extra	2.4	33	9	Trappiste	123.75
15	Black albert	3.5	33	13	Brune	122.571429
16	Rochefort 10	3.1	33	11.3	Trappiste	120.290323
17	Gulden Draak 9000	2.9	33	10.5	Ambrée	119.482759
18	Corne du bois des pendus 10 triple	2.8	33	10	Blonde	117.857143
19	Straffe Hendrik quadrupel	3.1	33	11	Brune	
20	Duvel	2.4	33	8.5	Blonde	

```
19    117.096774
20       116.875
```

3 Top 20, blonde beers

[ ]:
```
display_top(df[(df["Type"] == "Blonde") & (df["Volume"] < 75)],␣
 ↪filename="blonde").head(20)
```

[ ]:

Rank	Name	Price	Volume	Degree	Type	Ratio
1	Kerel Kaishaku Fût	2.5	25	15	Blonde	150.0
2	Kerel Kaishaku	3.5	33	15	Blonde	141.428571
3	Kasteel triple	2.6	33	11	Blonde	139.615385
4	Bush 10	2.5	33	10.5	Blonde	138.6
5	Queue de charrue triple	2.3	33	9	Blonde	129.130435
6	Corne du bois des pendus 10 triple	2.8	33	10	Blonde	117.857143
7	Duvel	2.4	33	8.5	Blonde	116.875
8	Triple plaisir (la)	2.3	33	8	Blonde	114.782609
9	Carolus triple d'or	2.6	33	9	Blonde	114.230769
10	Jupiler Fût	1.2	25	5.4	Blonde	112.5
11	Filou	2.5	33	8.5	Blonde	112.2
12	Bertinchamps triple Fût	1.8	25	8	Blonde	111.111111
13	Cuvée des trolls	2.1	33	7	Blonde	110.0
14	Malheur 10	3	33	10	Blonde	
15	Goliath triple	2.7	33	9	Blonde	
16	To touille	2.7	33	9	Blonde	
17	Moinette blonde	2.6	33	8.5	Blonde	
18	lupulus organicus	2.6	33	8.5	Blonde	
19	Saison Dupont	2	33	6.5	Blonde	
20	Lupulus blonde Fût	2	25	8.5	Blonde	

```
14         110.0
15         110.0
16         110.0
17    107.884615
18    107.884615
19        107.25
20        106.25
```

4 Top 20, ambrées

```
[ ]: display_top(df[(df["Type"] == "Ambrée") & (df["Volume"] < 75)],␣
      ↪filename="amber").head(20)
```

[ ]:

Rank	Name	Price	Volume	Degree	Type	Ratio
1	Piraat	2.5	33	10.5	Ambrée	138.6
2	Bush 12 Fût	2.2	25	12	Ambrée	136.363636
3	Corne du bois des pendus quadruple	3	33	12	Ambrée	132.0
4	Gulden Draak 9000	2.9	33	10.5	Ambrée	119.482759
5	Maredsous 10	3.1	33	10	Ambrée	106.451613
6	Bon secours heritage	2.5	33	8	Ambrée	105.6
7	Troubadour magma	2.9	33	9	Ambrée	102.413793
8	Carolus ambrio	2.6	33	8	Ambrée	101.538462
9	Quintine ambrée	2.9	33	8.5	Ambrée	
10	Satan red	2.8	33	8	Ambrée	
11	Divine (la)	3	33	8.5	Ambrée	
12	Kwak	3.1	33	8.4	Ambrée	
13	St Hubertus Ambrée	2.8	33	7.2	Ambrée	
14	Fumette (la)	2.6	33	6.5	Ambrée	
15	Caracole	3	33	7.5	Ambrée	
16	St Hubertus Ambrée Fût	2.2	25	7.2	Ambrée	
17	Gauloise ambrée	2.3	33	5.6	Ambrée	
18	Delirium argentum	2.9	33	7	Ambrée	
19	Philomène hoptimale	3	33	7.2	Ambrée	
20	Queue de charrue ambrée	2.4	33	5.6	Ambrée	

```
9      96.724138
10     94.285714
11          93.5
12     89.419355
13     84.857143
14          82.5
15          82.5
16     81.818182
17     80.347826
18     79.655172
19          79.2
20          77.0
```

5 Top trappistes

[ ]:
```
display_top(df[(df["Type"] == "Trappiste") & (df["Volume"] < 75)],␣
↪filename="trapist")
```

[ ]:

Rank	Name	Price	Volume	Degree	Type	Ratio
1	Chimay rouge	2.2	33	9	Trappiste	135.0
2	Westmalle triple	2.5	33	9.5	Trappiste	125.4
3	Rochefort triple extra	2.4	33	9	Trappiste	123.75
4	Rochefort 10	3.1	33	11.3	Trappiste	120.290323
5	Rochefort 8	2.7	33	9.2	Trappiste	112.444444
6	Chimay blanche	2.4	33	8	Trappiste	110.0
7	Chimay bleue	3	33	9	Trappiste	99.0
8	Rochefort 6	2.6	33	7.5	Trappiste	95.192308
9	Chimay Verte (150)	3.5	33	10	Trappiste	94.285714
10	Westmalle double	2.7	33	7	Trappiste	85.555556
11	Westmalle extra	2.1	33	4.8	Trappiste	75.428571
12	Orval	3	33	6.2	Trappiste	68.2
13	Chimay dorée	2.7	33	4.8	Trappiste	58.666667

6 Top 20, brunes

[ ]:
```
brown_beers = display_top(df[(df["Type"] == "Brune") & (df["Volume"] < 75)],␣
↪filename="brown").head(20)
```

7 Top 20, fruitées

[ ]:
```
display_top(df[(df["Type"] == "Fruitée") & (df["Volume"] < 75)],␣
↪filename="fruit").head(20)
```

[ ]:

Rank	Name	Price	Volume	Degree	Type	Ratio
1	Queue de charrue rouge	2.7	33	8.7	Fruitée	106.333333
2	Gauloise fruits rouges	2.6	33	8.2	Fruitée	104.076923
3	Frambush	2.8	33	8.5	Fruitée	100.178571
4	Delirium red Fût	2	25	8	Fruitée	100.0
5	Chouffe cherry Fût	2	25	8	Fruitée	100.0
6	Pêche Mel Bush Fût	2	25	8	Fruitée	100.0
7	Val dieu fruitee	3.2	33	9	Fruitée	92.8125
8	Barbar Rouge	2.9	33	8	Fruitée	91.034483
9	Kasteel red Fût	2.2	25	8	Fruitée	90.909091
10	Tête de mort red	3	33	8.2	Fruitée	90.2
11	Lindemans tarot noir	2.4	25	8	Fruitée	83.333333
12	Bon secours myrtille	2.8	33	7	Fruitée	82.5
13	Lindemans tarot d'or Fût	2.5	25	8	Fruitée	80.0
14	Kasteel rubus Fût	2.2	25	7	Fruitée	79.545455
15	Gembloux fruitée dans les bois	2.7	33	6.5	Fruitée	79.444444
16	Waterloo Cherry	2.5	33	6	Fruitée	79.2
17	Fagnes blood orange	3	33	7	Fruitée	77.0
18	Kasteel tropicale	3	33	7	Fruitée	77.0
19	Kasteel rubus	3	33	7	Fruitée	77.0
20	Lindemans tarot d'or	2.6	25	8	Fruitée	76.923077

8 Top blanches

[ ]:
```
display_top(df[(df["Type"] == "Blanche") & (df["Volume"] < 75)],␣
↪filename="white")
```

[ ]:

Rank	Name	Price	Volume	Degree	Type	Ratio
1	Bon secours prestige	2.8	33	9	Blanche	106.071429
2	St Hubertus Blanche Fût	2	25	7.2	Blanche	90.0
3	Chouffe blanche	2.2	33	6	Blanche	90.0
4	Blanche de Bruxelles	2	33	4.5	Blanche	74.25
5	St bernardus witbier	2.5	33	5.5	Blanche	72.6
6	Boriner vice	2.9	33	6	Blanche	68.275862
7	Blanche de Namur	1.8	25	4.5	Blanche	62.5
8	Troublette	3	33	5.6	Blanche	61.6

9 Top 20, 75cl

[ ]:
```
display_top(df[df["Volume"]  == 75], filename="75cl").head(20)
```

[ ]:

Rank	Name	Price	Volume	Degree	Type	Ratio
1	Bush 12	7	75	12	Ambrée	128.571429

2	Moinette brune	5	75	8.5	Brune	127.5
3	Lupulus Hibernatus	5.7	75	9	Brune	118.421053
4	Lupulus blonde	5.5	75	8.5	Blonde	115.909091
5	Lupulus brune	5.7	75	8.5	Brune	111.842105
6	Binchoise brune	5.3	75	7.7	Brune	108.962264
7	Chimay Blanche (Cinq Cents)	5.6	75	8	Trappiste	107.142857
8	Lupulus Organicus	6	75	8.5	Blonde	106.25
9	Moinette blonde	6	75	8.5	Blonde	106.25
10	Westmalle triple	7.2	75	9.5	Trappiste	98.958333
11	Val Dieu grand cru	8	75	10.5	Brune	98.4375
12	Li crochon brune	6.7	75	8.7	Brune	97.38806
13	Chouffe	6.2	75	8	Blonde	96.774194
14	Chimay grande reserve (bleue)	7	75	9	Trappiste	96.428571
15	Val Dieu Triple	7	75	9	Blonde	96.428571
16	Gauloise blonde	5	75	6.3	Blonde	94.5
17	Houppe	6	75	7.5	Blonde	93.75
18	houppe	6	75	7.5	Blonde	93.75
19	Fagnes blonde	6	75	7.5	Blonde	93.75
20	Li crochon blonde	5.5	75	6.8	Blonde	92.727273

10 Top 50 du rat (à plus que 5° quand même (big up à Hunter))

[ ]:
```
rat = display_top(df[(df["Degree"] >= 5) & (df["Volume"] < 75) & (df["Price"]␣
↪<= 2.5)])
rat = rat.sort_values(by=["Ratio", "Volume"], ascending=[False, True])
rat.head(50)
```

[ ]:

Rank	Name	Price	Volume	Degree	Type	Ratio
1	Kerel Kaishaku Fût	2.5	25	15	Blonde	150.0
2	Piraat	2.5	33	10.5	Ambrée	138.6
3	Bush 10	2.5	33	10.5	Blonde	138.6
4	Bush 12 Fût	2.2	25	12	Ambrée	136.363636
5	Chimay rouge	2.2	33	9	Trappiste	135.0
6	Queue de charrue triple	2.3	33	9	Blonde	129.130435
7	Westmalle triple	2.5	33	9.5	Trappiste	125.4
8	Rochefort triple extra	2.4	33	9	Trappiste	123.75
9	Duvel	2.4	33	8.5	Blonde	116.875
10	Moinette brune	2.4	33	8.5	Brune	116.875
11	Saint Bernardus Prior 8	2.3	33	8	Brune	114.782609
12	Triple plaisir (la)	2.3	33	8	Blonde	114.782609
13	Jupiler Fût	1.2	25	5.4	Blonde	112.5
14	Filou	2.5	33	8.5	Blonde	112.2
15	Gauloise brune	2.4	33	8.1	Brune	111.375
16	Bertinchamps triple Fût	1.8	25	8	Blonde	111.111111
17	Cuvée des trolls	2.1	33	7	Blonde	110.0

18	Mc Chouffe	2.4	33	8	Brune	110.0
19	Chimay blanche	2.4	33	8	Trappiste	110.0
20	Saison Dupont	2	33	6.5	Blonde	107.25
21	Lupulus blonde Fût	2	25	8.5	Blonde	106.25
22	Tripick blonde	2.5	33	8	Blonde	105.6
23	Floreffe prima melior	2.5	33	8	Brune	105.6
24	Chouffe	2.5	33	8	Blonde	105.6
25	Beer Lambert	2.5	33	8	Blonde	105.6
26	Omer	2.5	33	8	Blonde	105.6
27	Bon secours heritage	2.5	33	8	Ambrée	105.6
28	Tête de mort Fût	2	25	8.1	Blonde	101.25
29	Triple moine	2.4	33	7.3	Blonde	100.375
30	Delirium red Fût	2	25	8	Fruitée	100.0
31	Paranoia Fût	2	25	8	Blonde	100.0
32	Chouffe cherry Fût	2	25	8	Fruitée	100.0
33	Delirium Tremens Fût	2	25	8	Blonde	100.0
34	Pêche Mel Bush Fût	2	25	8	Fruitée	100.0
35	Gauloise blonde	2.1	33	6.3	Blonde	99.0
36	Saint Idesbald blonde	2.2	33	6.5	Blonde	97.5
37	Floreffe blonde	2.2	33	6.3	Blonde	94.5
38	xx-Bitter	2.1	33	6	Blonde	94.285714
39	Tongerlo brune nox	2.4	33	6.7	Brune	92.125
40	Kasteel red Fût	2.2	25	8	Fruitée	90.909091
41	St Hubertus Blanche Fût	2	25	7.2	Blanche	90.0
42	Goliath blonde	2.2	33	6	Blonde	90.0
43	Chouffe blanche	2.2	33	6	Blanche	90.0
44	Harmony	2.2	33	6	Blonde	90.0
45	Cuvée des trolls Fût	2	25	7	Blonde	87.5
46	Gouyasse	2.3	33	6	Blonde	86.086957
47	Vraie bière (la)	2.3	33	6	Blonde	86.086957
48	Vedette IPA	2.3	33	6	Blonde	86.086957
49	Li crochon blonde	2	25	6.8	Blonde	85.0
50	Rulles triple fût	2.5	25	8.4	Blonde	84.0