notebook

October 26, 2025

1 Setup

[18]:
```
from json import loads
import pandas as pd
import os
```

2 Main function

[28]:
```
# Load the JSON file
YEAR="2025-2026-Q1"
json = loads(open(f"db/{YEAR}.json").read())

dic = dict()
for key, article in json["articles"]["mapValue"]["fields"].items():

    fields = article["mapValue"]["fields"]
    name = fields.get("name", {}).get("stringValue")

    a_type = fields.get("article_type", {}).get("integerValue")
    if a_type is None or a_type != "1":
        continue

    available = fields.get("available", {}).get("booleanValue")
    if not available:
        continue

    degree = fields.get("degree", {}).get("integerValue") or fields.
 ↪get("degree", {}).get("doubleValue")

    if degree is None:
        degree = fields.get("degree", {}).get("doubleValue")

    price_out = fields.get("price_out", {}).get("doubleValue")

    if price_out is None:
        price_out = fields.get("price_out", {}).get("integerValue")
```

```
    volume = fields.get("format", {}).get("integerValue")

    if volume is None:
        volume = fields.get("format", {}).get("doubleValue")

    beer_type = fields.get("type", {}).get("stringValue")

    ratio =  (float(degree) * float(volume)) / float(price_out)

    dic[name] = {"Degree": float(degree), "Price": float(price_out), "Volume":␣
 ↪float(volume), "Type": beer_type, "Ratio": float(ratio)}

# Create a DataFrame
df = pd.DataFrame(dic).T

# Sort the DataFrame by the ratio
df = df.sort_values(by=["Ratio", "Price", "Volume"], ascending=[False, True,␣
 ↪False])
create_dir_if_absent(f"csv/{YEAR}")

out = df.copy()
out.insert(0, "Rank", range(1, len(df) + 1))
out.to_csv(f"csv/{YEAR}/ranker.csv")
len(out)
```

[28]: 292

3 Top 20, any type of beer

[42]:
```
df[df["Volume"] < 75].head(20)
```

[42]:

	Degree	Price	Volume	Type	Ratio
Kerel Kaishaku Fût	15.0	2.5	25.0	Blonde	150.0
Kerel Kaishaku	15.0	3.5	33.0	Blonde	141.428571
Kasteel triple	11.0	2.6	33.0	Blonde	139.615385
Bush 10	10.5	2.5	33.0	Blonde	138.6
Piraat	10.5	2.5	33.0	Ambrée	138.6
Bush 12 Fût	12.0	2.2	25.0	Ambrée	136.363636
Chimay rouge	9.0	2.2	33.0	Trappiste	135.0
Corne du bois des pendus quadruple	12.0	3.0	33.0	Ambrée	132.0
Queue de charrue triple	9.0	2.3	33.0	Blonde	129.130435
Gulden Draak	10.7	2.8	33.0	Brune	126.107143
Kasteel donker	11.0	2.9	33.0	Brune	125.172414
Peak grand cru	10.5	2.8	33.0	Brune	123.75
Rochefort triple extra	9.0	2.4	33.0	Trappiste	123.75
Black albert	13.0	3.5	33.0	Brune	122.571429

Rochefort 10	11.3	3.1	33.0	Trappiste	120.290323
Gulden Draak 9000	10.5	2.9	33.0	Ambrée	119.482759
Corne du bois des pendus 10 triple	10.0	2.8	33.0	Blonde	117.857143
Straffe Hendrik quadrupel	11.0	3.1	33.0	Brune	117.096774
Duvel	8.5	2.4	33.0	Blonde	116.875
Moinette brune	8.5	2.4	33.0	Brune	116.875

4 Top 20, blonde beers

[51]:
```
blonde_beers = df[(df["Type"] == "Blonde") & (df["Volume"] < 75)]
blonde_beers.to_csv(f"csv/{YEAR}/blonde_ranker.csv")
blonde_beers.head(20)
```

[51]:

	Degree	Price	Volume	Type	Ratio
Kerel Kaishaku Fût	15.0	2.5	25.0	Blonde	150.0
Kerel Kaishaku	15.0	3.5	33.0	Blonde	141.428571
Kasteel triple	11.0	2.6	33.0	Blonde	139.615385
Bush 10	10.5	2.5	33.0	Blonde	138.6
Queue de charrue triple	9.0	2.3	33.0	Blonde	129.130435
Corne du bois des pendus 10 triple	10.0	2.8	33.0	Blonde	117.857143
Duvel	8.5	2.4	33.0	Blonde	116.875
Triple plaisir (la)	8.0	2.3	33.0	Blonde	114.782609
Carolus triple d'or	9.0	2.6	33.0	Blonde	114.230769
Jupiler Fût	5.4	1.2	25.0	Blonde	112.5
Filou	8.5	2.5	33.0	Blonde	112.2
Bertinchamps triple Fût	8.0	1.8	25.0	Blonde	111.111111
Cuvée des trolls	7.0	2.1	33.0	Blonde	110.0
Malheur 10	10.0	3.0	33.0	Blonde	110.0
To touille	9.0	2.7	33.0	Blonde	110.0
lupulus organicus	8.5	2.6	33.0	Blonde	107.884615
Saison Dupont	6.5	2.0	33.0	Blonde	107.25
Lupulus blonde Fût	8.5	2.0	25.0	Blonde	106.25
Chouffe houblon triple	9.0	2.8	33.0	Blonde	106.071429
Bon secours Noël	9.0	2.8	33.0	Blonde	106.071429

5 Top 20, ambrées

[43]:
```
amber_beers = df[(df["Type"] == "Ambrée") & (df["Volume"] < 75)]
amber_beers.to_csv(f"csv/{YEAR}/amber_ranker.csv")
amber_beers.head(20)
```

[43]:

	Degree	Price	Volume	Type	Ratio
Piraat	10.5	2.5	33.0	Ambrée	138.6
Bush 12 Fût	12.0	2.2	25.0	Ambrée	136.363636
Corne du bois des pendus quadruple	12.0	3.0	33.0	Ambrée	132.0
Gulden Draak 9000	10.5	2.9	33.0	Ambrée	119.482759

Bon secours heritage	8.0	2.5	33.0	Ambrée	105.6
Troubadour magma	9.0	2.9	33.0	Ambrée	102.413793
Carolus ambrio	8.0	2.6	33.0	Ambrée	101.538462
Quintine ambrée	8.5	2.9	33.0	Ambrée	96.724138
Satan red	8.0	2.8	33.0	Ambrée	94.285714
Divine (la)	8.5	3.0	33.0	Ambrée	93.5
Kwak	8.4	3.1	33.0	Ambrée	89.419355
St Hubertus Ambrée	7.2	2.8	33.0	Ambrée	84.857143
Fumette (la)	6.5	2.6	33.0	Ambrée	82.5
Caracole	7.5	3.0	33.0	Ambrée	82.5
St Hubertus Ambrée Fût	7.2	2.2	25.0	Ambrée	81.818182
Gauloise ambrée	5.6	2.3	33.0	Ambrée	80.347826
Delirium argentum	7.0	2.9	33.0	Ambrée	79.655172
Queue de charrue ambrée	5.6	2.4	33.0	Ambrée	77.0
Durbuy	5.5	2.5	33.0	Ambrée	72.6
100 PAP	6.0	2.8	33.0	Ambrée	70.714286

6 Top trappistes

[50]:
```
trapist_beers = df[(df["Type"] == "Trappiste") & (df["Volume"] < 75)]
trapist_beers.to_csv(f"csv/{YEAR}/trapist_ranker.csv")
trapist_beers
```

[50]:

	Degree	Price	Volume	Type	Ratio
Chimay rouge	9.0	2.2	33.0	Trappiste	135.0
Rochefort triple extra	9.0	2.4	33.0	Trappiste	123.75
Rochefort 10	11.3	3.1	33.0	Trappiste	120.290323
Rochefort 8	9.2	2.7	33.0	Trappiste	112.444444
Chimay blanche	8.0	2.4	33.0	Trappiste	110.0
Chimay bleue	9.0	3.0	33.0	Trappiste	99.0
Rochefort 6	7.5	2.6	33.0	Trappiste	95.192308
Chimay Verte (150)	10.0	3.5	33.0	Trappiste	94.285714
Westmalle double	7.0	2.7	33.0	Trappiste	85.555556
Westmalle extra	4.8	2.1	33.0	Trappiste	75.428571
Orval	6.2	3.0	33.0	Trappiste	68.2
Chimay dorée	4.8	2.7	33.0	Trappiste	58.666667

7 Top 20, brunes

[49]:
```
brown_beers = df[(df["Type"] == "Brune") & (df["Volume"] < 75)]
brown_beers.to_csv(f"csv/{YEAR}/brown_ranker.csv")
brown_beers.head(20)
```

[49]:

	Degree	Price	Volume	Type	Ratio
Gulden Draak	10.7	2.8	33.0	Brune	126.107143
Kasteel donker	11.0	2.9	33.0	Brune	125.172414

Peak grand cru	10.5	2.8	33.0	Brune	123.75
Black albert	13.0	3.5	33.0	Brune	122.571429
Straffe Hendrik quadrupel	11.0	3.1	33.0	Brune	117.096774
Moinette brune	8.5	2.4	33.0	Brune	116.875
Malheur 12	12.0	3.4	33.0	Brune	116.470588
Saint Bernardus Prior 8	8.0	2.3	33.0	Brune	114.782609
Gauloise brune	8.1	2.4	33.0	Brune	111.375
Saint Bernardus Abr 12	10.0	3.0	33.0	Brune	110.0
Carolus classic	8.5	2.6	33.0	Brune	107.884615
Delirium nocturnum	8.5	2.6	33.0	Brune	107.884615
Chatte noire (la)	9.0	2.8	33.0	Brune	106.071429
Floreffe prima melior	8.0	2.5	33.0	Brune	105.6
Val Dieu grand cru	10.5	3.3	33.0	Brune	105.0
Barbar Bok	8.5	2.7	33.0	Brune	103.888889
Charles Quint rouge rubis	8.5	2.7	33.0	Brune	103.888889
Nostradamus	9.9	3.2	33.0	Brune	102.09375
Val Dieu brune	8.0	2.6	33.0	Brune	101.538462
Troubadour obscura	8.2	2.7	33.0	Brune	100.222222

8 Top 20, fruitées

[46]:
```
fruit_beers = df[(df["Type"] == "Fruitée") & (df["Volume"] < 75)]
fruit_beers.to_csv(f"csv/{YEAR}/fruit_ranker.csv")
fruit_beers.head(20)
```

[46]:

	Degree	Price	Volume	Type	Ratio
Queue de charrue rouge	8.7	2.7	33.0	Fruitée	106.333333
Gauloise fruits rouges	8.2	2.6	33.0	Fruitée	104.076923
Frambush	8.5	2.8	33.0	Fruitée	100.178571
Delirium red Fût	8.0	2.0	25.0	Fruitée	100.0
Pêche Mel Bush Fût	8.0	2.0	25.0	Fruitée	100.0
Chouffe cherry Fût	8.0	2.0	25.0	Fruitée	100.0
Val dieu fruitee	9.0	3.2	33.0	Fruitée	92.8125
Barbar Rouge	8.0	2.9	33.0	Fruitée	91.034483
Kasteel red Fût	8.0	2.2	25.0	Fruitée	90.909091
Tête de mort red	8.2	3.0	33.0	Fruitée	90.2
Lindemans tarot noir	8.0	2.4	25.0	Fruitée	83.333333
Bon secours myrtille	7.0	2.8	33.0	Fruitée	82.5
Lindemans tarot d'or Fût	8.0	2.5	25.0	Fruitée	80.0
Kasteel rubus Fût	7.0	2.2	25.0	Fruitée	79.545455
Waterloo Cherry	6.0	2.5	33.0	Fruitée	79.2
Kasteel tropicale	7.0	3.0	33.0	Fruitée	77.0
Fagnes blood orange	7.0	3.0	33.0	Fruitée	77.0
Kasteel rubus	7.0	3.0	33.0	Fruitée	77.0
Lindemans tarot d'or	8.0	2.6	25.0	Fruitée	76.923077
Bertinchamps pamplemousse Fût	5.0	1.8	25.0	Fruitée	69.444444

9 Top blanches

[53]:
```
white_beers = df[(df["Type"] == "Blanche") & (df["Volume"] < 75)]
white_beers.to_csv(f"csv/{YEAR}/white_ranker.csv")
white_beers
```

[53]:

	Degree	Price	Volume	Type	Ratio
Bon secours prestige	9.0	2.8	33.0	Blanche	106.071429
St Hubertus Blanche Fût	7.2	2.0	25.0	Blanche	90.0
Chouffe blanche	6.0	2.2	33.0	Blanche	90.0
Blanche de Bruxelles	4.5	2.0	33.0	Blanche	74.25
St bernardus witbier	5.5	2.5	33.0	Blanche	72.6
Boriner vice	6.0	2.9	33.0	Blanche	68.275862
Blanche de Namur	4.5	1.8	25.0	Blanche	62.5
Troublette	5.6	3.0	33.0	Blanche	61.6

10 Top 75cl

[47]:
```
big = df[df["Volume"]  == 75]
big.to_csv(f"csv/{YEAR}/75cl_ranker.csv")
big
```

[47]:

	Degree	Price	Volume	Type	Ratio
Bush 12	12.0	7.0	75.0	Ambrée	128.571429
Lupulus Hibernatus	9.0	5.7	75.0	Brune	118.421053
Lupulus blonde	8.5	5.5	75.0	Blonde	115.909091
Lupulus brune	8.5	5.7	75.0	Brune	111.842105
Binchoise brune	7.7	5.3	75.0	Brune	108.962264
Chimay Blanche (Cinq Cents)	8.0	5.6	75.0	Trappiste	107.142857
Moinette blonde	8.5	6.0	75.0	Blonde	106.25
Lupulus Organicus	8.5	6.0	75.0	Blonde	106.25
Westmalle triple	9.5	7.2	75.0	Trappiste	98.958333
Chouffe	8.0	6.2	75.0	Blonde	96.774194
Val Dieu Triple	9.0	7.0	75.0	Blonde	96.428571
Chimay grande reserve (bleue)	9.0	7.0	75.0	Trappiste	96.428571
Gauloise blonde	6.3	5.0	75.0	Blonde	94.5
houppe	7.5	6.0	75.0	Blonde	93.75
Li crochon blonde	6.8	5.5	75.0	Blonde	92.727273
Triple Moine	7.3	6.0	75.0	Blonde	91.25
Binchoise blonde	6.2	5.1	75.0	Blonde	91.176471
Rulles triple	8.4	7.0	75.0	Blonde	90.0
Maredsous 10	10.0	8.4	75.0	Ambrée	89.285714
Diôle	6.5	5.5	75.0	Blonde	88.636364
Chimay première (rouge)	7.0	6.0	75.0	Trappiste	87.5
Rulles blonde	7.0	6.0	75.0	Blonde	87.5
Tournay blonde	6.7	6.0	75.0	Blonde	83.75

Rulles brune	6.5	6.0	75.0	Brune	81.25
Cuvée ds trolls	7.5	7.0	75.0	Blonde	80.357143
Lindemans Faro	5.0	5.0	75.0	Ambrée	75.0
xx-Bitter	6.0	6.0	75.0	Blonde	75.0
Triple Karmeliet	8.4	8.5	75.0	Blonde	74.117647
Delirium tremens	8.3	8.5	75.0	Blonde	73.235294
Abbaye bonne esperance	6.3	6.6	75.0	Blonde	71.590909
Philomène hoptimale	7.2	7.6	75.0	Ambrée	71.052632
Goliath triple	9.0	9.5	75.0	Blonde	71.052632
Delirium red	8.0	8.5	75.0	Fruitée	70.588235
Curtius	7.0	7.7	75.0	Blonde	68.181818
Rulles estivale	5.0	6.0	75.0	Blonde	62.5
Chatte (la)	6.0	7.2	75.0	Blonde	62.5
Maredsous 6	6.0	7.2	75.0	Blonde	62.5
Goliath blonde	6.0	7.8	75.0	Blonde	57.692308
Mirakel	6.0	10.2	75.0	Blonde	44.117647
Lindemans pêcheresse	2.5	8.5	75.0	Fruitée	22.058824

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

[72]:
```
rat = df[(df["Degree"] >= 5) & (df["Volume"] < 75) & (df["Price"] <= 2.5)]
rat = rat.sort_values(by=["Ratio", "Volume"], ascending=[False, True])
rat.head(50)
```

[72]:

	Degree	Price	Volume	Type	Ratio
Kerel Kaishaku Fût	15.0	2.5	25.0	Blonde	150.0
Bush 10	10.5	2.5	33.0	Blonde	138.6
Piraat	10.5	2.5	33.0	Ambrée	138.6
Bush 12 Fût	12.0	2.2	25.0	Ambrée	136.363636
Chimay rouge	9.0	2.2	33.0	Trappiste	135.0
Queue de charrue triple	9.0	2.3	33.0	Blonde	129.130435
Rochefort triple extra	9.0	2.4	33.0	Trappiste	123.75
Duvel	8.5	2.4	33.0	Blonde	116.875
Moinette brune	8.5	2.4	33.0	Brune	116.875
Triple plaisir (la)	8.0	2.3	33.0	Blonde	114.782609
Saint Bernardus Prior 8	8.0	2.3	33.0	Brune	114.782609
Jupiler Fût	5.4	1.2	25.0	Blonde	112.5
Filou	8.5	2.5	33.0	Blonde	112.2
Gauloise brune	8.1	2.4	33.0	Brune	111.375
Bertinchamps triple Fût	8.0	1.8	25.0	Blonde	111.111111
Cuvée des trolls	7.0	2.1	33.0	Blonde	110.0
Chimay blanche	8.0	2.4	33.0	Trappiste	110.0
Saison Dupont	6.5	2.0	33.0	Blonde	107.25
Lupulus blonde Fût	8.5	2.0	25.0	Blonde	106.25
Tripick blonde	8.0	2.5	33.0	Blonde	105.6
Bon secours heritage	8.0	2.5	33.0	Ambrée	105.6

Floreffe prima melior	8.0	2.5	33.0	Brune	105.6
Beer Lambert	8.0	2.5	33.0	Blonde	105.6
Omer	8.0	2.5	33.0	Blonde	105.6
Tête de mort Fût	8.1	2.0	25.0	Blonde	101.25
Triple moine	7.3	2.4	33.0	Blonde	100.375
Delirium red Fût	8.0	2.0	25.0	Fruitée	100.0
Paranoia Fût	8.0	2.0	25.0	Blonde	100.0
Pêche Mel Bush Fût	8.0	2.0	25.0	Fruitée	100.0
Delirium Tremens Fût	8.0	2.0	25.0	Blonde	100.0
Chouffe cherry Fût	8.0	2.0	25.0	Fruitée	100.0
Saint Idesbald blonde	6.5	2.2	33.0	Blonde	97.5
Floreffe blonde	6.3	2.2	33.0	Blonde	94.5
Tongerlo brune nox	6.7	2.4	33.0	Brune	92.125
Kasteel red Fût	8.0	2.2	25.0	Fruitée	90.909091
St Hubertus Blanche Fût	7.2	2.0	25.0	Blanche	90.0
Harmony	6.0	2.2	33.0	Blonde	90.0
Chouffe blanche	6.0	2.2	33.0	Blanche	90.0
Cuvée des trolls Fût	7.0	2.0	25.0	Blonde	87.5
Vraie bière (la)	6.0	2.3	33.0	Blonde	86.086957
Vedette IPA	6.0	2.3	33.0	Blonde	86.086957
Lindemans tarot noir	8.0	2.4	25.0	Fruitée	83.333333
Amer Amer	6.0	2.4	33.0	Blonde	82.5
Tongerlo blonde lux	6.0	2.4	33.0	Blonde	82.5
St Hubertus Ambrée Fût	7.2	2.2	25.0	Ambrée	81.818182
Delta IPA Fût	6.5	2.0	25.0	Blonde	81.25
Corne du bois des pendus 6 blonde	5.9	2.4	33.0	Blonde	81.125
Gauloise ambrée	5.6	2.3	33.0	Ambrée	80.347826
Lindemans tarot d'or Fût	8.0	2.5	25.0	Fruitée	80.0
Kasteel rubus Fût	7.0	2.2	25.0	Fruitée	79.545455