JANUARY 9, 2020

G18

RECOMMEND THE COCKTAILS TO YOU

蘇以恩 吳京 許青純 羅俊欣

無名南瓜走開XD

OUTLINE

簡介--

創作理念

--創作思路

資料取得、清理、分類、視覺化

結果--

--困難與未來展望

創作理念

酒在我們的生活中扮演著重要角色，有時是在社交場合中重要的催化劑、有時作為三五好友聚會的最佳配角，又或者在某個夜深人靜時分，酒精在心上撕開一個口子，任情緒傾洩而出。而不同於普通的酒，調酒的滋味隨其五花八門的基底與調料改變，簡單一杯調酒，調的卻是人生的百態紛呈。不過雖然調酒的世界博大精深，卻容易受限於場地與知識，在酒吧以外的地方難以好好品嘗。

創作思路 - 資料取得

SOURCE

https://www.socialandcocktail.co.uk/

WHY WE CHOOSE IT?

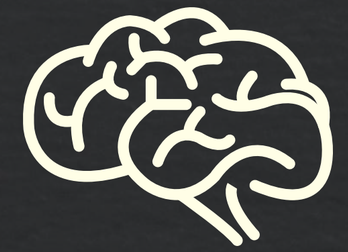
pros:

1. 含1000種左右的調酒
2. 所有調酒皆附上 ingredient list，方便抓取

cons:

1.資料疏漏頗多，需靠人工清理

創作思路 - 資料爬取



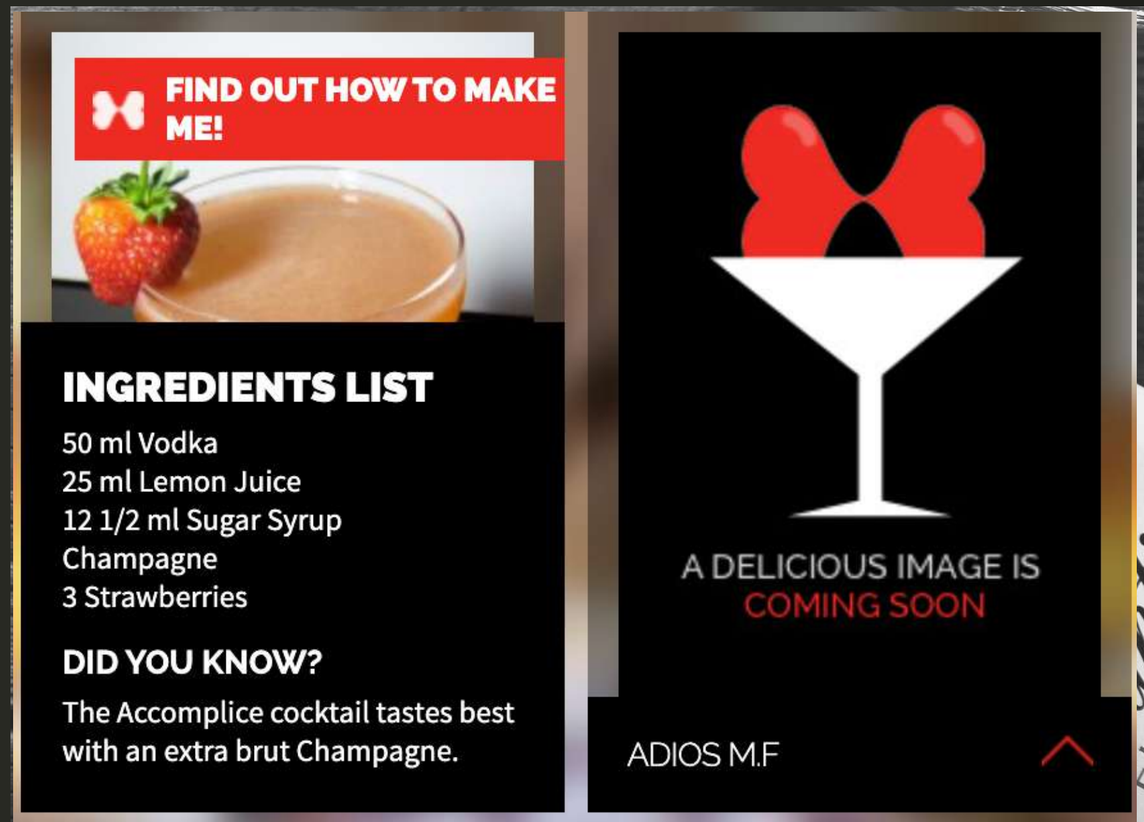
使用 PYTHON:

reason:

1. 較熟悉 python 語法
2. 比較適合（嘗試用 R 跑過相同邏輯的程式碼，可是 Rstudio卻當掉了）

```python
def split_ingredient_by_plural(unit, base):
    base = base.split(unit)
    amount_str = base[0].strip().split(" ")

    amount = 0
    if len(amount_str) == 1:
        try:
            amount = float(amount_str[0])
        except ValueError:
            if "/" in amount_str[0]:
                num = int(amount_str[0].split("/")[0])
                den = int(amount_str[0].split("/")[1])
                amount = float(num / den)
            else:
                amount = "several"
    elif len(amount_str) == 2:
        amount = float(amount_str[0]) + 0.5

    if "of " in base[1].strip():
        liquid_name = base[1].strip()
        liquid_name = liquid_name[3: ]
    else:
        liquid_name = base[1].strip()

    liquid_name_and_amount = [liquid_name, str(amount)]

    return liquid_name_and_amount


def split_ingredient_by_single(unit, base):

    base = base.split(unit)
    amount = 1.0

    if "of " in base[1].strip():
        liquid_name = base[1].strip()
        liquid_name = liquid_name[3: ]
    else:
        liquid_name = base[1].strip()

    liquid_name_and_amount = [liquid_name, str(amount) + "(" + unit.lower() + ")"]

    return liquid_name_and_amount
```

```python
# 輸出成csv檔案（這只是第一頁喔！）
with open("pre_processing.csv", "w", encoding="utf-8") as fh1:

    fh1.write("cocktails_name,ingredient_1,ingredient_2,ingredient_3,ingredient_4,ingredient_5,ingredient_6,

    for i in range(len(names)):

        ingredient_str = ""
        # print(adjusted_ingredient_lists[i])
        for j in adjusted_ingredient_lists[i]:
            if isinstance(j, list):
                ingredient_str += "," + j[0] + ":" + str(j[1])
            else:
                ingredient_str += "," + j
        print(ingredient_str)
        fh1.write(names[i] + ingredient_str + "\n")
    fh1.close()
```



創作思路 - 資料處理

1

將成分依容量單位分類，統一格式，輸出成 csv 檔

2

在網站上爬下常用酒精列表，人工智慧填寫酒精濃度表單

3

將兩個檔案合併，把容量單位統一成(ml)，並計算出調酒的酒精濃度

White Carn	Vodka:50.0	Peach Schnapps:12.5	Orange Juice:50.0	Soda Water	Cream:1.0(splash)	Oran
Wh	Egg Nog:100.0	White Chocolate Liqueur:12.5	Southern Comfort:25.0	Chocolate Flakes		
	Vodka:25.0	Amaretto:25.0	Heavy Cream:25.0	Nutmeg		
	Gin:50.0	Triple Sec:25.0	Lemon Juice:25.0	Lemon Rind		
	White Wine:1.0(bottle)	Vodka:0.5(cup)	White Grape Juice:0.5(cup)	Sugar:0.5(cup)	Sliced Grapes:0.5(cup)	1 Gr
W	Vodka:37.5	Coffee Liqueur:25.0	Cream:15.0	Milk:15.0	Chocolate Powder	Coff
White W	White Wine:1.0(bottle)	Brandy:50.0	White Sugar:0.6666666666666666(cup)	3 Sliced Oranges	1 Lemon and 1 Lime both Sliced	Ging
Widows Cork	Jameson Irish Whiskey:50.0	Amaretto:25.0				
Winter Cocktail	Rum:50.0	juice of 1/2 Lime	Sugar:1.0(teaspoon)	Ginger Liqueur:1.0(teaspoon)	Pimento Dram:1.0(teaspoon)	Ang
Witch Doctor	Dark Rum:50.0	Dr.Pepper:100.0	Lime Wedge			
Witch Hunt	Scotch Whisky:50.0	Dry Vermouth:25.0	Strega Liquer:10.0	Lemonade:50.0		
Wolf Bite	Absinthe:50.0	Melon Liqueur:50.0	Lemon-Lime Soda:50.0	Pineapple Juice:37.5	Grenadine Syrup:1.0(drizzle)	
WooWoo	Peach Schnapps:37.5	Vodka:37.5	Cranberry Juice:90.0			
Xalapa Punch	Hot Black Tea:2.0(cup)	Honey:1.0(cup)	Amber Rum:1000.0	Apple Brandy:1000.0	Dry Red Wine:1000.0	Oran
Yaka Hula Hickey Dula	Dark Rum:37.5	Dry Vermouth:37.5	Pineapple Juice:37.5	Pineapple Chunk		
Yale Cocktail	Dry Vermouth:12.5	Gin:12.5	Blue Curacao:1.0(teaspoon)	Bitters:1.0(dash)		
Yashmak	Whiskey:50.0	Dry Vermouth:20.0	Pernod:12.5	Angostura Bitters:several(dash)	Sugar Syrup to taste	
Yellow Bird	Light Rum:25.0	Dark Rum:25.0	Galliano:5.0	juice of 1/2 Lime	Orange Juice:30.0	Mara
Yellow Fairy	Gin:50.0	Limoncello:25.0	Absinthe:5.0	Aromatic Bitters:1.0(dash)		
Yellow Submarine	Vodka:37.5	White Rum:12.5	Banana Liqueur:12.5	Banana Slice		
Yorsch	Beer:250.0	Vodka:25.0				
Yule Mule	Light Rum:50.0	Cranberry Juice:70.0	Top-Up Ginger Beer	Mixed Berries		
Z Street Slammer	Rum:30.0	Banana Liqueur:20.0	Pineapple Juice:20.0	Grenadine Syrup:5.0		
Z-28	Green Crème de Menthe:10.0	Banana Liqueur:10.0	Tequila:10.0			
Zambeer	Sambuca:37.5	Root Beer:375.0				
Zambodian	Vodka:10.0	Blackberry Brandy:10.0	Pineapple Juice:10.0			
Zanzibar	Dry Vermouth:60.0	Plymouth Gin:30.0	Orange Bitters:several(dash)	Lemon Juice:20.0	Simple Syrup:1.0(teaspoon)	Lem
Zen Latte	Green Tea Liqueur:15.0	Steamed Milk:60.0	Matcha Powder for garnish			
Zipper	Grand Marnier:10.0	ounce Tequila:10.0	Irish Cream Liqueur:10.0			
Zipperhead	Vodka:30.0	Chambord:30.0	Lemon-Lime Soda:30.0			
Zombie	Gold Rum:37.5	White Rum:25.0	Dark Rum:25.0	151 proof Rum:1.0(splash)	Apricot Brandy:12.5	Simp

2 人工智慧

liquor_table.csv 以「Numbers」打開

liquor_names	alcohol_contents_percentage
Vodka	40
Gin	40
Triple Sec	40
Tequila	40
Dry Vermouth	40
Coffee Liqueur	40
Champagne	12.2
Bourbon Whiskey	40
Brandy	60
Dark Rum	40
Sweet Vermouth	18
Amaretto	28
Light Rum	40
Irish Cream Liqueur	17
Blue Curacao	40
Absinthe	74
White Rum	40
Melon Liqueur	21
Rum	40
Apricot Brandy	35
Black Raspberry Liqueur	16.5
Scotch Whiskey	40
Irish Whiskey	40
Grand Marnier	40
White Crème de Cacao	25
Peach Schnapps	24
Rye Whiskey	51
Cherry Brandy	40
Whiskey	40

3 算出容量與濃度

abv_involved.csv 以「Numbers」打開

cocktail_name	alcohol_concentration(%)	total_volume(ml)
"Blue Dog" Zombie	21.4	125
20th Century	23.6	98
50 – 50	39.6	100
Abaci Batida	16.7	142
Abbey Cocktail	22.3	89
Accomplice	22.6	88
Adios M.F	39.4	62
Admiral Benbow	34.6	88
Admiral Perry	39.7	105
Adonis	22.6	52
Adult Hot Chocolate	49.0	50
Affinity	33.0	52
Agave Kiss	31.6	112
Agent Orange	9.9	100
Air Force One	24.3	75
Alabama Slammer	30.5	60
Alabazam	22.5	147
Alaska Cocktail	39.3	58
Alaskan Iced Tea	23.6	136
Alcoholic Dr.Pepper	3.5	525
Alexander	22.7	75
Algonquin	34.6	78
Alibi	26.3	75
Amaretto Colada	5.6	150
Amaretto Sour	16.0	89
Amaretto Sunrise	8.3	150
Amarula and Eve	8.4	135
American Collins	19.8	70
Americano	18.5	51

創作思路 - 資料合併

使用 R:

將所有資料合併，計算出各欄的變數

clean_th1

	cocktails_name	ingredient_1	ingredient_2	ingredient_3	ingredient_4	ingredient_5	ingredient_6	ingredient_7	ingredient_8	ingredient_9	ingredient_10	ingredient_11	ingredient_12	abv	volume	classified_by_abv	long_and_short_drink
1	"Blue Dog" Zombie	Plantation Overproof Rum:12.5	Goslings Bermudan Dark Rum:12.5	Chairman's Reserve Spiced Rum:12.5	Chairmans Reserve White Rum:12.5	Gabriel Boudier Apricot Brandy:12.5	Gomme Syrup:12.5	Lime Juice:25.0	Orange Juice:25.0	25 Pineapple Juice	1 Passion Fruit			21.4	125	適別微醺最快樂！	慢慢喝，還是會醉
2	20th Century	Gin:37.5	Lillet Blanc:20.0	Crème de Cacao:20.0	Fresh Lemon Juice:20.0									23.6	98	適別微醺最快樂！	快快喝，快快醉
3	50 - 50	Gin:50.0	Dry Vermouth:50.0	1 Olive										39.6	100	適別微醺最快樂！	快快喝，快快醉
4	Abaci Batida	Cachaca:50.0	Pineapple Juice:75.0	Lemon Juice:12.5	Sugar Syrup:5.0									16.7	142	劉銘銘劉劉劉天邊有早/1Oz	慢慢喝，還是會醉
5	Abbey Cocktail	Gin:50.0	Orange Juice:37.5	Orange Bitters:2.0(dash)	Maraschino Cherry									22.3	89	適別微醺最快樂！	快快喝，快快醉
6	Adios M.F	Vodka:12.5	Tequila:12.5	Gin:12.5	Rum:12.5	Blue Curacao:12.5								39.4	62	適別微醺最快樂！	快快喝，快快醉
7	Admiral Benbow	Plymouth Gin:50.0	Dry Vermouth:25.0	Lime Juice:12.5	Maraschino Cherry									34.6	88	適別微醺最快樂！	快快喝，快快醉
8	Admiral Perry	Pear Vodka:50.0	Cinnamon Schnapps:25.0	Dry Vermouth:25.0	White Crème de Cacao:5.0	Pear Slice								39.7	105	適別微醺最快樂！	快快喝，快快醉
9	Adonis	Dry Sherry:25.0	Sweet Vermouth:12.5	Dry Vermouth:12.5	Orange Bitters:2.0(dash)									22.6	52	適別微醺最快樂！	快快喝，快快醉
10	Adult Hot Chocolate	Peppermint Schnapps:50.0	Hot Chocolate	Whipped Cream	Chocolate Shavings									49	50	人生偶爾就是要來大醉一場	快快喝，快快醉
11	Affinity	Scotch Whiskey:25.0	Sweet Vermouth:12.5	Dry Vermouth:12.5	Orange Bitters:2.0(dash)									33	52	適別微醺最快樂！	快快喝，快快醉
12	Agave Kiss	Silver Tequila:50.0	White Crème de Cacao:25.0	Double Cream:25.0	Chambord:12.5	White Chocolate flakes	Raspberries							31.6	112	適別微醺最快樂！	快快喝，快快醉
13	Agent Orange	Vodka:25.0	Carrot Juice:75.0											9.9	100	劉銘銘劉劉劉天邊有早/1Oz	快快喝，快快醉
14	Alabazam	Brandy:50.0	Orange Curacao:12.5	Angostura Bitters:2.0(dash)	Lemon Juice:20.0	Simple Syrup:12.5	Soda Water:50.0							22.5	147	適別微醺最快樂！	慢慢喝，還是會醉
15	Alaska Cocktail	Gin:37.5	Yellow Chartreuse:20.0	3 drops Orange Bitters	Orange Zest Twist									39.3	58	適別微醺最快樂！	快快喝，快快醉
16	Alaskan Iced Tea	Gin:15.0	Vodka:15.0	Tequila:15.0	White Rum:15.0	Triple Sec:15.0	Lemon Juice:25.0	Gomme syrup:30.0	Blue Curacao:1.0(splash)					23.6	136	適別微醺最快樂！	慢慢喝，還是會醉
17	Alcoholic Dr.Pepper	Beer:250.0	Cola:250.0	Amaretto:25.0										3.5	525	劉銘銘劉劉劉天邊有早/1Oz	慢慢喝，還是會醉
18	Alexander	Gin:25.0	Crème de Cacao:25.0	Half & Half:25.0	grated Nutmeg									22.7	75	適別微醺最快樂！	快快喝，快快醉
19	Algonquin	Rye Whiskey:37.5	Dry Vermouth:20.0	Pineapple Juice:20.0										34.6	78	適別微醺最快樂！	快快喝，快快醉
20	Amaretto Colada	Amaretto:30.0	Coconut Cream:30.0	Pineapple Juice:90.0	1 Pineapple Slice									5.6	150	劉銘銘劉劉劉天邊有早/1Oz	慢慢喝，還是會醉
21	Amaretto Sour	Amaretto:50.0	Lemon Juice:25.0	Simple Syrup:12.5	Egg-White:1.0(dash)	Angostura Bitters:1.0(dash)	Lemon Zest							16	89	劉銘銘劉劉劉天邊有早/1Oz	快快喝，快快醉
22	Amaretto Sunrise	Amaretto:45.0	Orange Juice:90.0	Grenadine Syrup:15.0	Orange Slice									8.3	150	劉銘銘劉劉劉天邊有早/1Oz	慢慢喝，還是會醉
23	Amarula and Ève	Amarula Cream:37.5	Citrus Vodka:12.5	Lychee Juice:65.0	Ruby Red Grapefruit Juice:20.0	Lychee Fruit								8.4	135	劉銘銘劉劉劉天邊有早/1Oz	慢慢喝，還是會醉
24	American Collins	Premium Gin:37.5	Simple Syrup:20.0	Lemon Juice:12.5	4 Bing Cherries	8 Blueberries	Soda Water	Lemon Wheel						19.8	70	劉銘銘劉劉劉天邊有早/1Oz	快快喝，快快醉
25	Americano	Campari:25.0	Sweet Vermouth:25.0	Soda Water:1.0(dash)	Lemon Peel									18.5	51	劉銘銘劉劉劉天邊有早/1Oz	快快喝，快快醉
26	Anaconda	Tennesse Whiskey:12.5	White Sambuca:12.5											37.5	25	適別微醺最快樂！	快快喝，快快醉
27	Anani Punch	Dark Rum:50.0	Orange Juice:25.0	Pineapple Juice:12.5	Passion Fruit Syrup:12.5									19.8	100	劉銘銘劉劉劉天邊有早/1Oz	快快喝，快快醉
28	Anejo HighBall	Anejo Rum:37.5	Lime Juice:20.0	Orange Curacao:15.0	Angostura Bitters:3.0(dash)	Lemon Slice								24.2	75	適別微醺最快樂！	快快喝，快快醉
29	Angel Delight	Triple Sec:20.0	Gin:20.0	Cream:25.0	Grenadine Syrup:2.0(dash)									23.6	67	適別微醺最快樂！	快快喝，快快醉
30	Angels Tit	White Crème de Cacao:10.0	Maraschino Liqueur:10.0	Half-And- Half:10.0	Maraschino Cherry									20	30	適別微醺最快樂！	快快喝，快快醉
31	Anita Byrant	Vodka:50.0	Fresh Apple Juice:100.0	Lemon Slice										13.2	150	劉銘銘劉劉劉天邊有早/1Oz	慢慢喝，還是會醉
32	Anna Kournikova	Vodka:50.0	Coffee Liqueur:20.0	Skimmed Milk:30.0										27.7	100	適別微醺最快樂！	快快喝，快快醉
33	AntiFreeze	Blood Orange Vodka:37.5	Blue Curacao:12.5	Orange Juice:12.5										33.3	62	適別微醺最快樂！	快快喝，快快醉
34	Aperol Sunrise	Tequila:45.0	Orange Juice:90.0	Aperol Orange Liqueur:15.0	Orange Slice									16.4	150	劉銘銘劉劉劉天邊有早/1Oz	慢慢喝，還是會醉
35	Apocalypse Now	Dry Vermouth:10.0	Irish Cream Liqueur:10.0	Tequila:10.0										31.3	30	適別微醺最快樂！	快快喝，快快醉
36	Apple Cin	Apple Vodka:30.0	Spiced Rum:20.0	Cranberry Juice:25.0	Simple Syrup:12.5	Cinnamon								9.6	89	劉銘銘劉劉劉天邊有早/1Oz	快快喝，快快醉
37	Apple Sour	Bourbon Whiskey:37.5	Triple Sec:20.0	Apple Juice:30.0	Lemon Juice:5.0	Orange Bitters:2.0(dash)								24.3	94	適別微醺最快樂！	快快喝，快快醉
38	Appletini	Vodka:40.0	Apple Schapps:15.0	Triple Sec:15.0	Apple Slice									34.6	70	適別微醺最快樂！	快快喝，快快醉
39	Apricot Fizz	Bourbon Whiskey:25.0	Apricot Brandy:25.0	Lemon Juice:37.5	Old Fashioned Bitters:3.0(dash)	Top-Up Lemonade								20.5	90	適別微醺最快樂！	快快喝，快快醉
40	Apricot Martini	Vodka:37.5	Apricot Brandy:20.0	Lemon Juice:25.0	Angostura Bitters:1.0(dash)	Simple Syrup:12.5	Lemon Zest							23.1	96	適別微醺最快樂！	快快喝，快快醉
41	Apricot Sour	Bourbon Whiskey:37.5	Apricot Brandy:12.5	Apple Juice:25.0	Lemon Juice:20.0	2 spoons Apricot Jam								20.2	95	適別微醺最快樂！	快快喝，快快醉
42	April Rain	Vodka:50.0	Dry Vermouth:12.5	Lime Juice:12.5	Lime Peel									32.9	75	適別微醺最快樂！	快快喝，快快醉
43	April Shower	Brandy:25.0	Yellow Chartreuse:5.0	Orange Juice:25.0										30.4	55	適別微醺最快樂！	快快喝，快快醉
44	Arathusa	White Rum:50.0	Manzanilla Sherry:20.0	Lime Juice:20.0	Pineapple Syrup:20.0	Maraschino Cherry								20.7	110	適別微醺最快樂！	快快喝，快快醉
45	Arizona Breeze	Gin:65.0	Cranberry Juice:75.0	Grapefruit Juice:50.0										13.6	190	劉銘銘劉劉劉天邊有早/1Oz	慢慢喝，還是會醉
46	As Night Falls	Vodka:50.0	White Grapefruit Juice:25.0	2 Coriander Leaves	7 Red Peppercorns	White Sugar:1.0(teaspoon)	small piece of Ginger	Whole Star Anise	Orange Zest					24.7	80	適別微醺最快樂！	快快喝，快快醉
47	Aspenlicious	Coconut Vodka:50.0	Amaretto:12.5	Coffee Liqueur:12.5	Rum:12.5	Irish Cream Cocktail:12.5	Half - And - Half:1.0(splash)	Chocolate Syrup:1.0(dash)	Grated White Chocolate.					30.7	107	適別微醺最快樂！	快快喝，快快醉
48	Atone-Mint	Blueberry Vodka:50.0	Lemon Juice:12.5	Sparkling Water:50.0	Simple Syrup:25.0	fresh Mint Leaves	Lemon Wedge							12.6	138	劉銘銘劉劉劉天邊有早/1Oz	慢慢喝，還是會醉
49	Autumn Slumber Toddy	Gin:50.0	Crème de Cassis:12.5	Simple Syrup:1.0(dash)	Lemon Juice:1.0(teaspoon)	Hot Water								31.5	68	適別微醺最快樂！	快快喝，快快醉
50	Aviation	Gin:50.0	Maraschino Liqueur:12.5	Lemon Juice:12.5	Crème de Violette:5.0									30.9	80	適別微醺最快樂！	快快喝，快快醉
51	Axis Kiss	Amaretto:5.0	Crème de Cassis:5.0	Champagne:75.0										13.1	85	劉銘銘劉劉劉天邊有早/1Oz	快快喝，快快醉
52	B & B	Cognac:25.0	Benedictine:25.0											39.2	50	適別微醺最快樂！	快快喝，快快醉
53	B-52	Coffee Liqueur:10.0	Irish Cream Liqueur:10.0	Triple Sec:10.0										31.3	30	適別微醺最快樂！	快快喝，快快醉
54	B-52 Gunship	Coffee Liqueur:10.0	Irish Cream Liqueur:10.0	Absinthe:10.0										42.3	30	人生偶爾就是要來大醉一場	快快喝，快快醉
55	B-52 in the Desert	Coffee Liqueur:10.0	Tequila:10.0	Triple Sec:10.0										38.7	30	適別微醺最快樂！	快快喝，快快醉
56	Baby Guinness	Coffee Liqueur:75.0	Irish Cream Liqueur:25.0											33.9	100	適別微醺最快樂！	快快喝，快快醉
57	Bacardi	Bacardi White Rum:45.0	Lime Juice:20.0	Grenadine Syrup:5.0										25.4	70	適別微醺最快樂！	快快喝，快快醉

創作思路 - 分類

根據酒品的內容材料進行分類

✔ 味道

- 甜
- 酸
- 苦
- 薄荷

✔ 喜好

- 長飲、短飲
- 酒精濃度

創作思路 - 視覺化

使用 SHINY:

互動性介面
使用者可依喜好調整，篩選符合其條件的雞尾酒

結果 - 分類 酸甜苦薄荷

Recommend the Cocktails to You　我要按喜好選酒！　我要按味道選酒！　給我隨機來幾款酒！

今天想喝甚麼酒

Choose the flavor you like

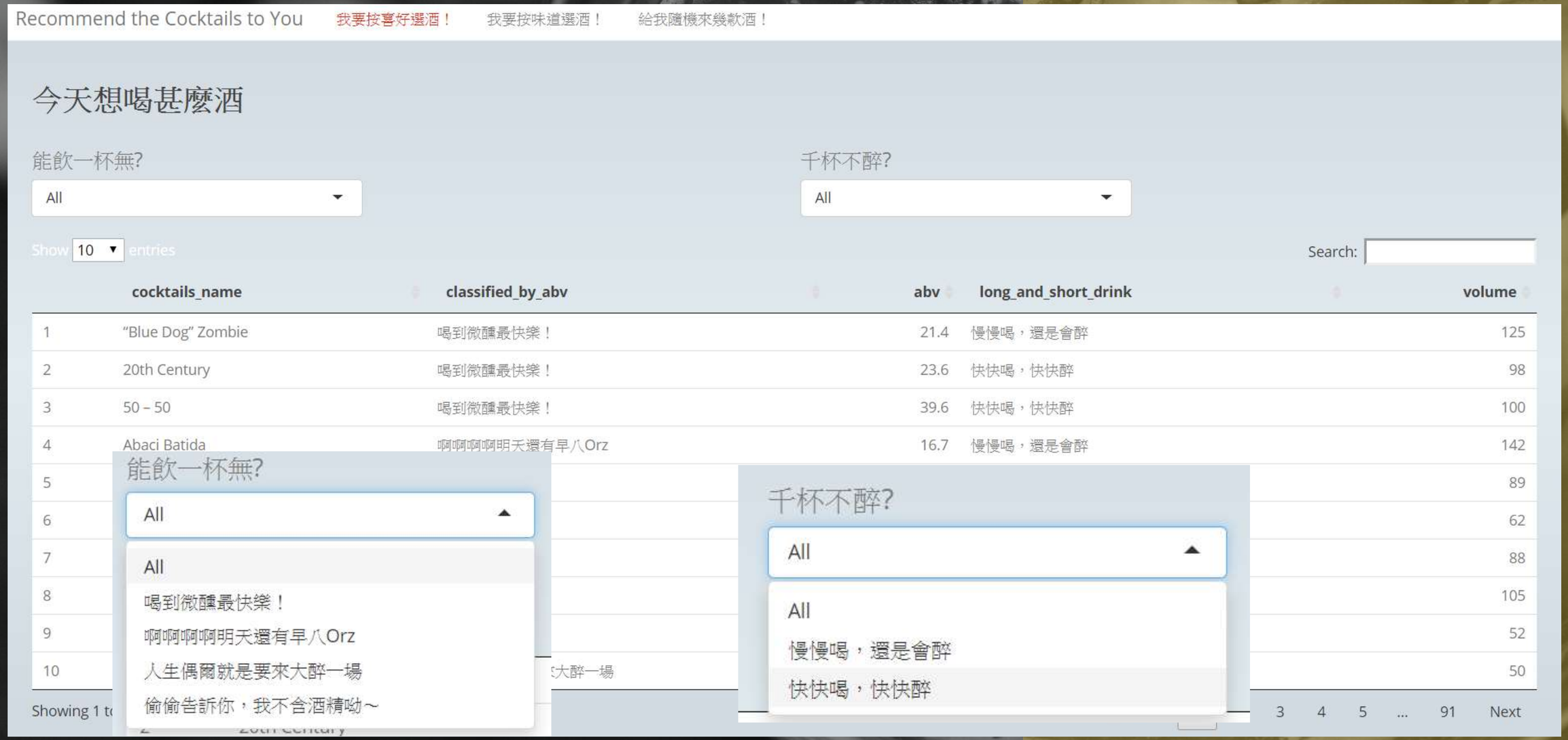
- [x] cocktails_name
- [x] classified_by_abv
- [x] abv
- [x] long_and_short_drink
- [x] volume
- [x] sour
- [x] sweet
- [x] bitter
- [x] mint

Show 10 entries　　Search:

	cocktails_name	sour	sweet	bitter	mint
	All	All	All	All	All
1	“Blue Dog” Zombie	1	1	0	0
2	20th Century	1	0	0	0
3	50 – 50	0	0	0	0
4	Abaci Batida	1	1	0	0
5	Abbey Cocktail	0	0	1	0
6	Adios M.F	0	0	0	0
7	Admiral Benbow	1	0	0	0
8	Admiral Perry	0	0	0	0
9	Adonis	0	0	1	0
10	Adult Hot Chocolate	0	1	0	0

Showing 1 to 10 of 908 entries　　Previous 1 2 3 4 5 … 91 Next

結果 - 分類 酒精濃度、短飲長飲



結果 - 隨機推薦酒類

Recommend the Cocktails to You　我要按喜好選酒！　我要按味道選酒！　給我隨機來幾款酒！

命運讓你與這五款調酒相遇

Show 10 entries　　Search:

	cocktails_name	abv	volume	classified_by_abv	long_and_short_drink	sour	sweet	bitter	mint
	All			All					
124	Blood Martini	21.8	100	喝到微醺最快樂！	快快喝，快快醉	0	1	0	0
298	El Presidente	46	78	人生偶爾就是要來大醉一場	快快喝，快快醉	0	0	0	0
90	Berry Bliss	23.9	87	喝到微醺最快樂！	快快喝，快快醉	0	0	0	0
871	Washington Apple	18.1	75	啊啊啊啊明天還有早八Orz	快快喝，快快醉	0	0	0	0
644	Pink Gin	39.1	28	喝到微醺最快樂！	快快喝，快快醉	0	0	1	0

Showing 1 to 5 of 5 entries　　Previous 1 Next

困難與未來展望

- 介面互動性
- 情緒分析

ENJOY YOUR DRINK