

NAME = "Xudong Guo"

Description: Combine data from Jisho and Wanikani.

Input: 'jisho\_result.csv' 'wanikani\_result.csv' 'genki.csv'

Output: 'combined.csv' 'combined\_genki.csv'

```
In [1]: import pandas as pd
```

```
In [2]: jisho = pd.read_csv("jisho_result.csv")
wani = pd.read_csv("wanikani_result.csv")
```

```
In [3]: jisho.head()
```

Out[3]:

	kanji	strokes	frequency	grade	jltpt	parts	radicals	on_readings	kun_readings	on_readings
0	亜	7	1509.0	junior high	N1	{'一': 'http://jisho.org/search/%E4%B8%80%20%...'	{'二': 'two'}	{'ア': 'http://jisho.org/search/%E4%BA%9C%20%...'	{'つ.ぐ': 'http://jisho.org/search/%E4%BA%9C%20%...'	['亜 【 (indicating
1	哀	9	1715.0	junior high	N1	{'一': 'http://jisho.org/search/%E4%BA%A0%20%...'	{'口': 'mouth, opening'}	{'アイ': 'http://jisho.org/search/%E5%93%80%20%...'	{'あわれ': 'http://jisho.org/search/%E5%93%80%...'	['哀悼 condolence,
2	挨	10	2258.0	junior high	NaN	{'ム': 'http://jisho.org/search/%E5%8E%B6%20%...'	{'手 (扌 手)': 'hand'}	{'アイ': 'http://jisho.org/search/%E6%8C%A8%20%...'	{'ひら.く': 'http://jisho.org/search/%E6%8C%A8%...'	['挨拶 gree
3	愛	13	640.0	grade 4	N3	{'一': 'http://jisho.org/search/%E5%86%96%20%...'	{'心 (忄, 小)': 'heart'}	{'アイ': 'http://jisho.org/search/%E6%84%9B%20%...'	{'いと.しい': 'http://jisho.org/search/%E6%84%9B...'	['愛 affection, cai
4	曖	17	NaN	junior high	NaN	{'一': 'http://jisho.org/search/%E5%86%96%20%...'	{'日': 'sun, day'}	{'アイ': 'http://jisho.org/search/%E6%9B%96%20%...'	{'くら.い': 'http://jisho.org/search/%E6%9B%96%...'	['曖昧 【アイ ambiç

```
In [4]: wani.head()
```

Out[4]:

	kanji	level
0	亜	59.0
1	哀	47.0
2	挨	44.0
3	愛	17.0
4	曖	NaN

```
In [5]: jisho['wanikani_level'] = wani['level']
```

```
In [6]: jisho.head()
```

```
Out [6]:
```

	kanji	strokes	frequency	grade	jlpt	parts	radicals	on_readings	kun_readings	on_readings
0	亜	7	1509.0	junior high	N1	{'一': 'http://jisho.org /search /%E4%B8 %80%20%...	{'二': 'two'}	{'ア': 'http://jisho.org /search /%E4%BA %9C%20%...	{'つ.ぐ': 'http://jisho.org /search /%E4%BA %9C%2...	['亜 【 (indicating
1	哀	9	1715.0	junior high	N1	{'一': 'http://jisho.org /search /%E4%BA %A0%20%...	{'口': 'mouth, opening'}	{'アイ': 'http://jisho.org /search /%E5%93 %80%20...	{'あわ.れ': 'http://jisho.org /search /%E5%93 %80%...	['哀悼 condolence,
2	挨	10	2258.0	junior high	NaN	{'ム': 'http://jisho.org /search /%E5%8E %B6%20%...	{'手 (扌 扌)': 'hand'}	{'アイ': 'http://jisho.org /search /%E6%8C %A8%20...	{'ひら.く': 'http://jisho.org /search /%E6%8C %A8%...	['挨拶 gree
3	愛	13	640.0	grade 4	N3	{'一': 'http://jisho.org /search /%E5%86 %96%20%...	{'心 (忄, 小)': 'heart'}	{'アイ': 'http://jisho.org /search /%E6%84 %9B%20...	{'いと.しい': 'http://jisho.org /search /%E6%84 %9B...	['愛 affection, cai
4	曖	17	NaN	junior high	NaN	{'一': 'http://jisho.org /search /%E5%86 %96%20%...	{'日': 'sun, day'}	{'アイ': 'http://jisho.org /search /%E6%9B %96%20...	{'くら.い': 'http://jisho.org /search /%E6%9B %96%...	['曖昧 【アイ ambiç

```
In [7]: jisho.to_csv('combined.csv', index=False)
```

```
In [8]: genki = pd.read_csv('genki.csv')
```

```
In [9]: newdf = jisho.merge(genki, on = 'kanji', how = 'left')
```

```
In [10]: newdf.to_csv('combined_genki.csv', index=False)
```

In [11]:

newdf

Out[11]:

	kanji	strokes	frequency	grade	jlpt	parts	radicals	on_readings	kun_readings	on_read
0	垂	7	1509.0	junior high	N1	{一': 'http://jisho.org/search/%E4%B8%80%20%...	{二': 'two'}	{ア': 'http://jisho.org/search/%E4%BA%9C%20%...	{つ.ぐ': 'http://jisho.org/search/%E4%BA%9C%2...	{垂 (indica
1	哀	9	1715.0	junior high	N1	{一': 'http://jisho.org/search/%E4%BA%A0%20%...	{口': 'mouth, opening'}	{アイ': 'http://jisho.org/search/%E5%93%80%20...	{あわ.れ': 'http://jisho.org/search/%E5%93%80%...	{ condole
2	挨	10	2258.0	junior high	NaN	{ム': 'http://jisho.org/search/%E5%8E%B6%20%...	{手 (扌 手)': 'hand'}	{アイ': 'http://jisho.org/search/%E6%8C%A8%20...	{ひら.く': 'http://jisho.org/search/%E6%8C%A8%...	{ c
3	愛	13	640.0	grade 4	N3	{一': 'http://jisho.org/search/%E5%86%96%20%...	{心 (忄, 小)': 'heart'}	{アイ': 'http://jisho.org/search/%E6%84%9B%20...	{いと.しい': 'http://jisho.org/search/%E6%84%9B...	affection
4	曖	17	NaN	junior high	NaN	{一': 'http://jisho.org/search/%E5%86%96%20%...	{日': 'sun, day'}	{アイ': 'http://jisho.org/search/%E6%9B%96%20...	{くら.い': 'http://jisho.org/search/%E6%9B%96%...	{曖昧 【 ai
...	...	...	...	...	...	...	...	...	...	...
2131	脇	10	1806.0	junior high	NaN	{力': 'http://jisho.org/search/%E5%8A%9B%20%...	{肉 (月)': 'meat'}	{キョウ': 'http://jisho.org/search/%E8%84%87%2...	{わき': 'http://jisho.org/search/%E8%84%87%20...	{脇侍 image (€
2132	惑	12	777.0	junior high	N1	{口': 'http://jisho.org/search/%E5%8F%A3%20%...	{心 (忄, 小)': 'heart'}	{ワク': 'http://jisho.org/search/%E6%83%91%20...	{まど.う': 'http://jisho.org/search/%E6%83%91%...	{ planet', '
2133	枠	8	922.0	junior high	N1	{十': 'http://jisho.org/search/%E5%8D%81%20%...	{木': 'tree'}	NaN	{わく': 'http://jisho.org/search/%E6%9E%A0%20...	{ frame
2134	湾	12	545.0	junior high	N2	{一': 'http://jisho.org/search/%E4%BA%A0%20%...	{水 (氵, 氷)': 'water'}	{ワン': 'http://jisho.org/search/%E6%B9%BE%20...	{いりえ': 'http://jisho.org/search/%E6%B9%BE%2...	{湾 inlet', '
2135	腕	12	1163.0	junior high	N2	{口': 'http://jisho.org/search/%E5%8D%A9%20%...	{肉 (月)': 'meat'}	{ワン': 'http://jisho.org/search/%E8%85%95%20...	{うで': 'http://jisho.org/search/%E8%85%95%20...	{腕 phys

2136 rows × 13 columns

In [ ]: