

Mangaki: Creating an open source manga and anime discovery platform

Jill-Jênn Vie (RIKEN, Tokyo)

July 2, 2017

Quiz: What countries buy the most manga?

1. Japan: 500M volumes
2. France: 13M volumes (actually, 2% but 50% of Europe)
3. US: 9M volumes

What is Mangaki?

An open source website where you can rate anime/manga
(like myAnimeList)



And receive personalized recommendations
(not like myAnimeList)

Main goals

Use AI to discover precious pearls of Japanese culture!

- ▶ We are **non-profit**, established 2014
- ▶ The code is **100% open source** (on GitHub)
so you can read it, use it, break it, fix it... but can't erase it
- ▶ Mainly students: 5 board + 20 helpers
- ▶ 350,000 ratings / 2,000 users / 10,000 works

Achievements

- ▶ 2015: Prize from Microsoft
- ▶ 2016: Prize from the Japanese Cultural Institute in Paris
- ▶ Summer 2016: Invited to Tokyo to meet Japanese investors
- ▶ **July 2, 2017**: Organizing a data challenge with Kyoto Univ.

Who are we?



What can be done with 350,000 ratings?

```
>>> Work.objects.popular()[:10]
```

#	Work	# Ratings
1	Death Note	1453
2	L'Attaque des Titans	1330
3	Le Voyage de Chihiro	1196
4	Naruto	1167
5	Princesse Mononoké	1159
6	Sword Art Online	1141
7	Fullmetal Alchemist: Brotherhood	1138
8	Fullmetal Alchemist	1024
9	Naruto: Shippuuden	988
10	Fairy Tail	975

Most liked

#	Work	# Like	# Hate
1	L'Attaque des Titans	1138	63
2	Le Voyage de Chihiro	1060	30
3	FullMetal Alchemist	530	13
4	One Punch Man	45	5
5	Death note	539	25
6	Death Note	1225	45
7	Princesse Mononoké	1013	32
8	Fullmetal Alchemist - Edition reliée	201	7
9	Fullmetal Alchemist: Brotherhood	993	35
10	Attaque Des Titans (l')	443	29
11	Dragon Ball	401	30
12	One piece - Edition originale	395	55
13	Le Château ambulante	696	30
14	Mon voisin Totoro	756	35
15	Fullmetal Alchemist	830	54
16	No Game No Life	658	47

Most hated

#	Work	# Like	# Hate
1	Dragon Ball GT	96	161
2	Glasslip	24	36
3	Girls Bravo: First Season	26	39
4	Captain Earth	25	35
5	Ai non stop!	25	33
6	Yu-Gi-Oh! GX	128	158
7	Astarotte's Toy	31	38
8	Choujigen Game Neptune: The Animation	27	33
9	Haruka Nogizaka's Secret	24	27
10	Dog Days	57	66
11	Wizard Barristers	51	59
12	.Hack - Le bracelet du crépuscule	24	26
13	Sakura Trick	48	50
14	Ikki Tousen	35	39
15	Rail Wars!	60	56
16	The Severing Crime Edge	33	29

Most Controversial

#	Work	# Like	# Hate
1	School Days	182	156
2	Dragon Ball Z Movie 11: Bio-Broly	122	108
3	Rail Wars!	58	56
4	Chaos;Head	73	66
5	To Love	52	55
6	Freezing	74	66
7	Kiss x Sis	121	96
8	Sakura Trick	46	50
9	Yu-Gi-Oh! GX	118	158
10	Naruto the Movie 2	114	89

Precious pearls

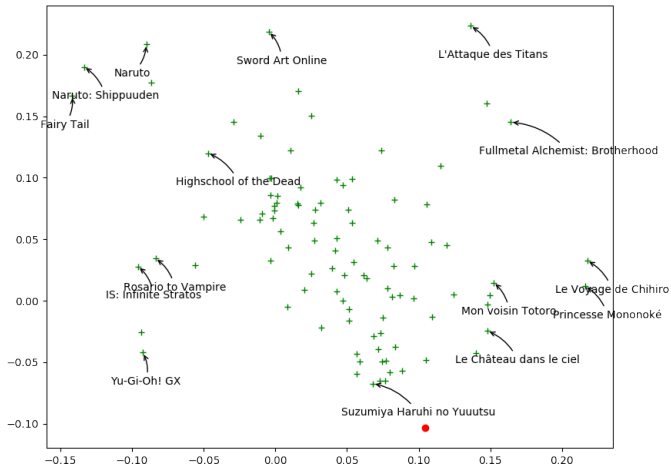
Few ratings and **mostly** likes

Work	# Like	# Hate
Kaiba	34	4
Madlax	19	4
Lupin the Third, The Woman Called Fujiko Mine	14	1
A Letter to Momo	42	1



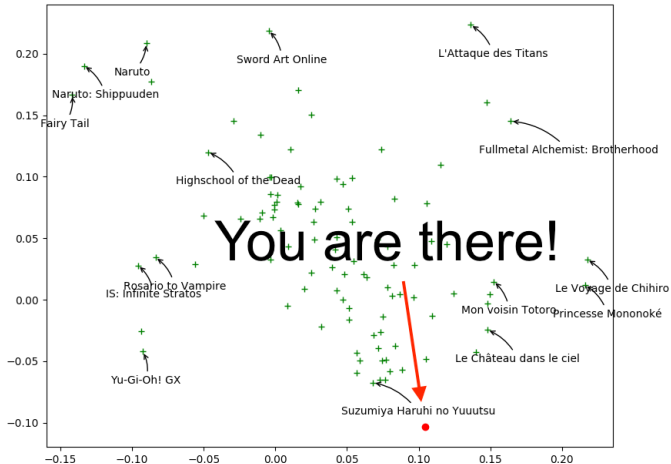
Separate points via factor analysis

Closer points means similar taste



Find your taste

You will like movies that are close to you



Study the components

x-axis loves Ghibli and cyberpunk, hates teen stories

- + *Princess Mononoké*, *Spirited Away* (Chihiro)
- + *Cowboy Bebop*, space opera similar to *Firefly*
- + *Paprika*, which inspired *Inception*
- *Naruto*, *Bleach*

y-axis loves really popular works, hates weird works

- + *Attack on Titan*, *Death Note*
- Erotic stories
- Same-family homosexual romances:
Kiss x Sis, *Papa to Kiss in the Dark*

Call:

If you too want to play with Mangaki data, contact us!

jj@mangaki.fr

If you're an **otaku**
Try it

If you're a **researcher**
Use it

If you're a **developer**
Upgrade it!

