

Uline Recommendation

Bienvenu Thibault Jun Heesu Kim Yoonhee Mahdi Tarraf-Kojok Thomas Yang Suyeong



Topic Description

Recommendation Process

Algorithm Organization

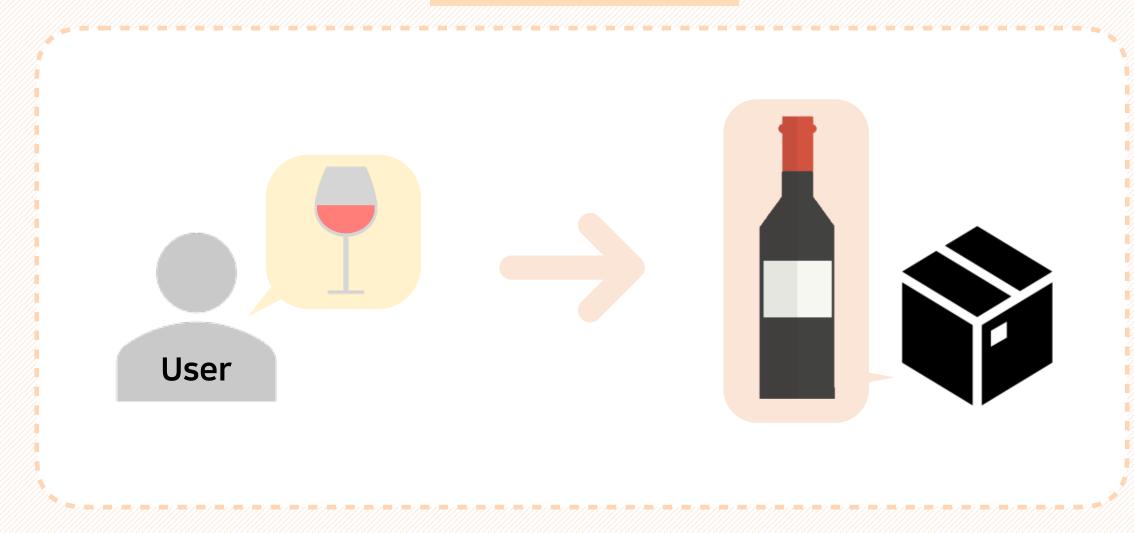
Dataset

Team-Role



Topic Description

Recommend Wine

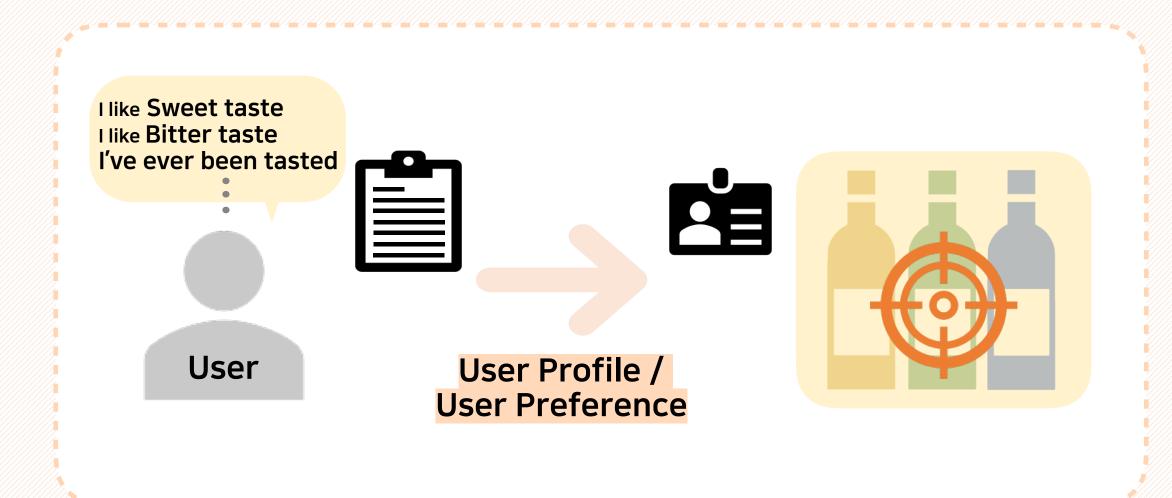


Recommend Wine



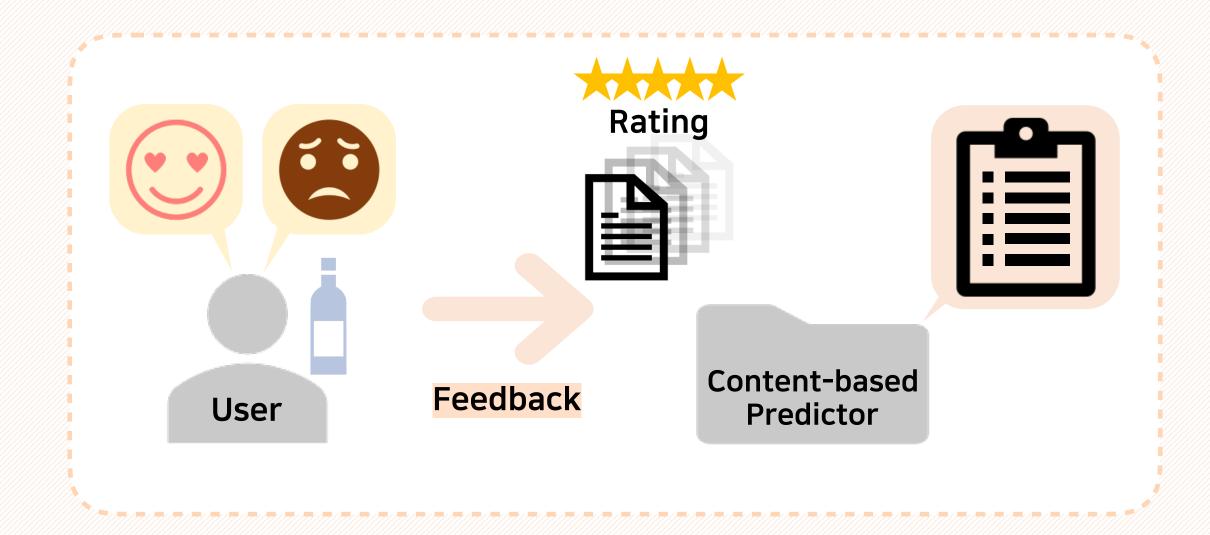


Recommendation Process



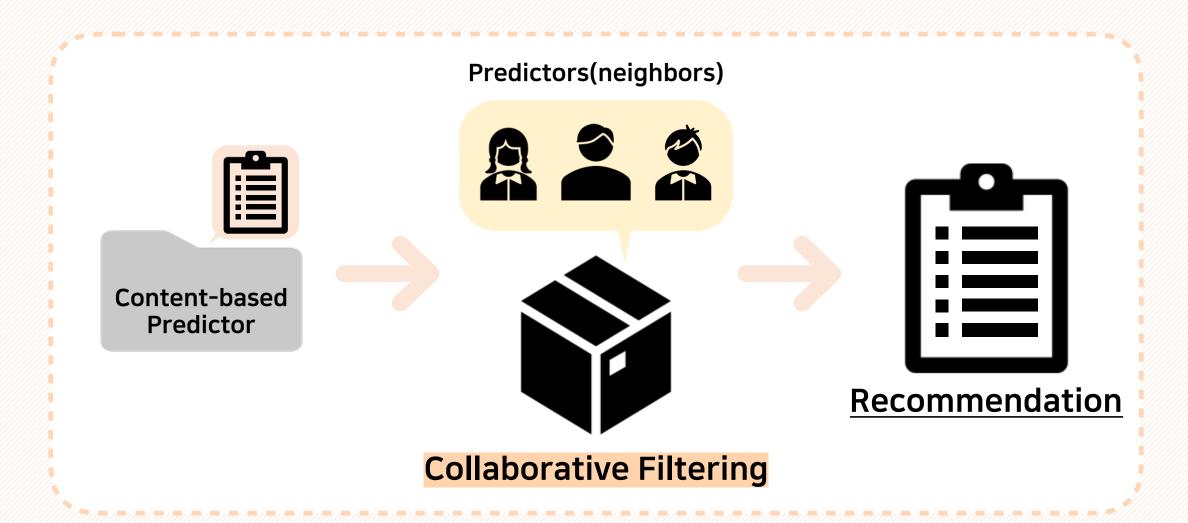


Recommendation Process





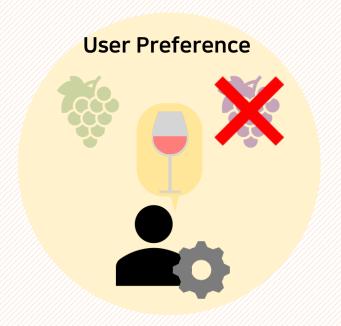
Recommendation Process

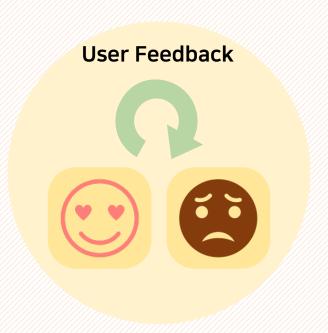




Algorithm Organization

Hybrid Recommendation







Knowledge-Based Recommendation

Content-Based Recommendation Collaborative -Filtering



Algorithm Organization

Hybrid Recommendation







New (NO First Rater)



Unique tastes



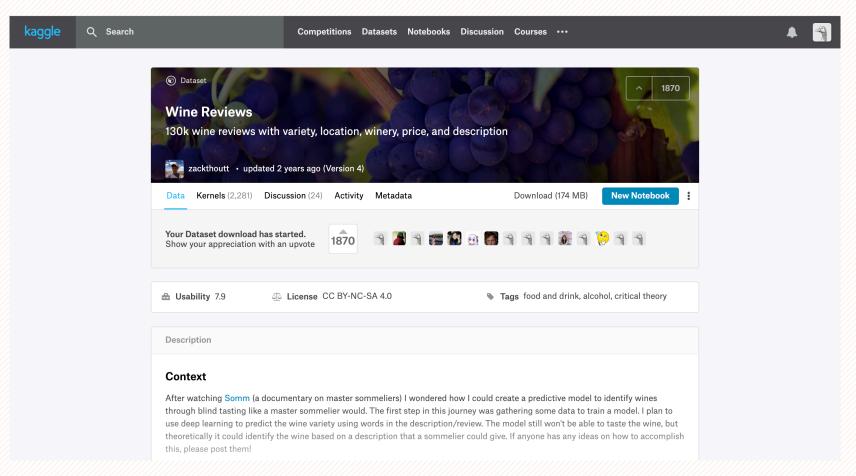
24998 kinds of wine

ntage 🖬	Countr ▼	County ▼ I	Designation	▼ Points ▼ Price ▼	Province	▼ Title	▼ Variety ▼	Winery
1919.1.1	Spain	Cava	1919 Brut Selecció	88 \$13.00	Catalonia	L'Arboc NV 1919 Brut Selecció Sparkling (Cava)	Sparkling Blend	L'Arboc
1929.1.1	Italy	Vernaccia d	di San Gimignano	87 \$14.00	Tuscany	Guidi 1929 2015 Vernaccia di San Gimignano	Vernaccia	Guidi 1929
1929.1.1	Italy	Sangioves	Prugneto	84 \$15.00	Central Italy	Poderi dal Nespoli 1929 2011 Prugneto (Sangiovese di Romagna Superiore)	Sangiovese	Poderi dal Nespoli 19
1934.1.1	Portugal		Reserva Velho	93 \$495.00	Colares	Adega Viuva Gomes 1934 Reserva Velho Red (Colares)	Ramisco	Adega Viuva Gomes
1945.1.1	France	Rivesaltes	Legend Vintage	95 \$350.00	Languedoc-Roussillon	Gérard Bertrand 1945 Legend Vintage Red (Rivesaltes)	Red Blend	Gérard Bertrand
1952.1.1	Portugal		Colheita Tawny	96 \$415.00	Port	Burmester 1952 Colheita Tawny (Port)	Port	Burmester
1963.1.1	Portugal		Colheita Tawny	96 \$400.00	Port	Messias 1963 Colheita Tawny (Port)	Port	Messias
1974.1.1	Portugal		Colheita Tawny	93 \$175.00	Port	Barros 1974 Colheita Tawny (Port)	Port	Barros
1978.1.1	Portugal		Colheita Tawny	94 \$100.00	Port	Kopke 1978 Colheita Tawny (Port)	Port	Kopke

Vintage Country Price Title Variety



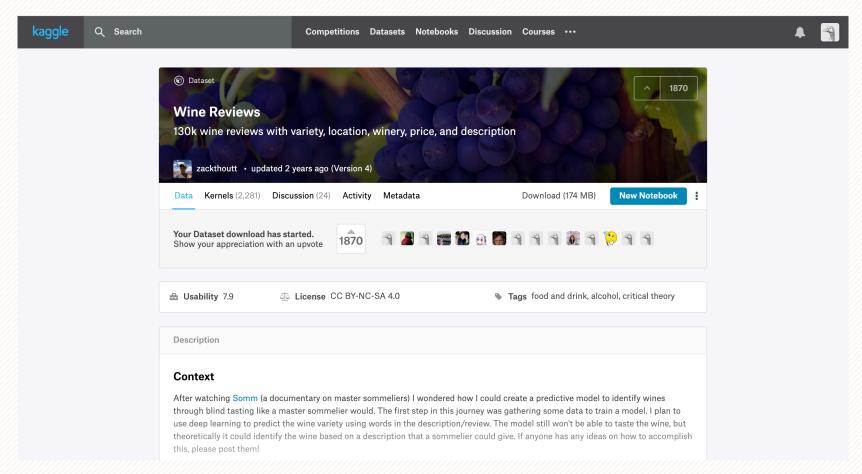
https://www.kaggle.com/zynicide/wine-reviews/data



120,000 kinds of wine-reviews



https://www.kaggle.com/zynicide/wine-reviews/data



Vintage Country Price Title Variety Points



https://www.kaggle.com/zynicide/wine-reviews/data

-	description	taster_name				
	Aromas include tropical fruit, broom, brimstone and dried herb. The palate isn't overly expressive, offering unripened apple, citrus and dried sage alongside brisk acidity.	Kerin O'Keefe				
	This is ripe and fruits, a wine that mooth while still structured. Firm tannins are filled out with juicy red berry fruits and freshened with acidity. It's already drinkable, although it will certainly be better from 2016.	Roger Voss				
	Tart and snappy, the flavors of lime flest and rind dominate. Some green pineapple pokes through, with crisp acidity underscoring the flavors. The wine was all stainless-steel fermented.					
	Pineapple rind, lemon pith and orange bloss in start off the aromas. The palate is a bit more opulent, with notes of honey-drizzled guava and mango giving way to a slightly astringent, semidry finish.	Paul Gregutt				
CCI	across as rather rough and tannic, with rustic, earthy, herbal characteristics. Nonetheless, if you think of it as a pleasantly unfussy country wine, it's a good companion to					
3CI	ption of taste, across as rather rough and tannic, with rustic, earthy, herbal characteristics. Nonetheless, if you think of it as a pleasantly unfussy country wine, it's a good companion to arran whiff of green herbs and, in this case, horseradish. In the mouth, this is fairly full bodied, with tomatoey acidity. Spicy, herbal flavors complement dark plum fruit, where the mouth is a fairly full bodied, with tomatoey acidity. Spicy, herbal flavors complement dark plum fruit, where the mouth is a fairly full bodied, with tomatoey acidity. Spicy, herbal flavors complement dark plum fruit, where the mouth is a fairly full bodied, with tomatoey acidity. Spicy, herbal flavors complement dark plum fruit, where the mouth is a fairly full bodied, with tomatoey acidity. Spicy, herbal flavors complement dark plum fruit, where the mouth is a fairly full bodied, with tomatoey acidity.					
	Here's a bright, informal red that opens with aromas of candied berry, white pepper and savory herb that carry over to the palate. It's balanced with fresh acidity and soft tannins.	Michael Schachner				
	This dry and restrained wine offers spice in profusion. Balanced with acidity and a firm texture, it's very much for food.					
	Savory dried thyme notes accent sunnier flavors of preserved peach in this brisk, off-dry wine. It's fruity and fresh, with an elegant, sprightly footprint.					
	This has great depth of flavor with its fresh apple and pear fruits and touch of spice. It's off dry while balanced with acidity and a crisp texture. Drink now.	Roger Voss				
	Soft, supple plum envelopes an oaky structure in this Cabernet, supported by 15% Merlot. Coffee and chocolate complete the picture, finishing strong at the end, resulting in a value-priced wine of attractive flavor and immer	Anna Lee C. lijima				
	This is a dry wine, very spicy, with a tight, taut texture and strongly mineral character layered with citrus as well as pepper. It's a food wine with its almost crisp aftertaste.	Roger Voss				
	Slightly reduced, this wine offers a chalky, tannic backbone to an otherwise juicy explosion of rich black cherry, the whole accented throughout by firm oak and cigar box.					
	This is dominated by oak and oak-driven aromas that include roasted coffee bean, espresso, coconut and vanilla that carry over to the palate, together with plum and chocolate. Astringent, drying tannins give it a rather abru-					
	Building on 150 years and six generations of winemaking tradition, the winery trends toward a leaner style, with the classic California buttercream aroma cut by tart green apple. In this good everyday sipping wine, flavors that					
	Zesty orange peels and apple notes abound in this sprightly, mineral-toned Riesling. Off dry on the palate, yet racy and lean, it's a refreshing, easy quaffer with wide appeal.	Virginie Boone				
	Baked plum, molasses, balsamic vinegar and cheesy oak aromas feed into a palate that's braced by a bolt of acidity. A compact set of saucy red-berry and plum flavors features tobacco and peppery accents, while the finish	Kerin O'Keefe				
	Raw black-cherry aromas are direct and simple but good. This has a juicy feel that thickens over time, with oak character and extract becoming more apparent. A flavor profile driven by dark-berry fruits and smoldering oak fi	Matt Kettmann				
	Desiccated blackberry, leather, charred wood and mint aromas carry the nose on this full-bodied, tannic, heavily oaked Tinto Fino. Flavors of clove and woodspice sit on top of blackberry fruit, then hickory and other forceful	Anna Lee C. lijima				
	Red fruit aromas pervade on the nose, with cigar box and menthol notes riding in the back. The palate is slightly restrained on entry, but opens up to riper notes of cherry and plum specked with crushed pepper. This blend o					

Description of Wine



Flavor of Variety



Roles

- Front-end
- Data Processing
- Content-Based-Recommendation
- Knowledge-Based-Recommendation
- Suyeong
 Heesu
 Yoonhee

- Back-end
- Collaborative-Filtering
- Evaluation

Thomas
Thibault
Mahdi



Thank you