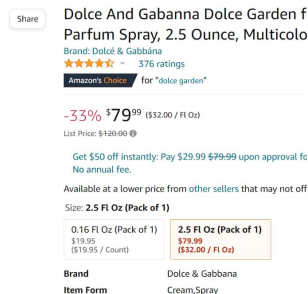
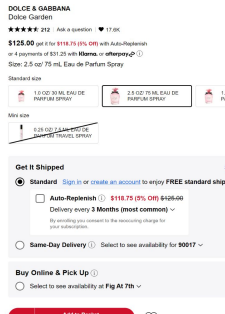
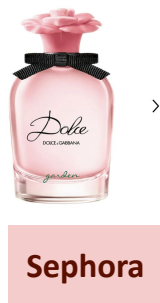


# Perfume Comparison and Recommendation System

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# Motivation

It is always tiring to compare different perfumes over different platforms with all those different features.



Thus, we

- Build a perfume comparison and recommendation system
- Use perfume knowledge graph in the back-end to support this system

# Data Sources

Unstructured:

Sephora





FragranceNet

...

Structured:

Kaggle Data:

<“Perfume Recommendation Dataset”>

|                       |  |   |   |   |
|-----------------------|--|---|---|---|
|                       |  |  |  |  |
|                       | CHANEL<br>CHANCE EAU TENDRE<br>Eau de Toilette                                     | CHANEL<br>CHANCE EAU FRAÎCHE<br>Eau de Toilette                                     | CHANEL<br>BLEU DE CHANEL Eau<br>de Toilette   | CHANEL<br>GABRIELLE CHANEL<br>ESSENCE Eau de ...                                    |
|                       |  | <a href="#">See Details</a>   | <a href="#">See Details</a>   | <a href="#">See Details</a>   |
| Price                 | \$95.00  | \$125.00  | \$90.00   | \$146.00  |
| Full Size             | 1.7 oz   | 3.4 oz  | 1.7 oz  | 3.4 oz/ 100 mL  |
| Rating                | ★★★★★ 590  | ★★★★★ 294   | ★★★★★ 114   | ★★★★★ 85  |
| Ingredient Highlights |  |   |   |   |

| Name                 | Brand           | Description     | Notes          |
|----------------------|-----------------|-----------------|----------------|
| Tihota Eau de Parfum | Indult          | Rapa Nui for s  | Vanilla bean,  |
| Sola Parfum          | Di Ser          | A tribute to t  | Lavender, Yuzu |
| Kagiroyi Parfum      | Di Ser          | An aromatic oo  | Green yuzu, gr |
| Velvet Fantasy       | Montale         | Velvet Fantasy  | tangerine, pi  |
| A Blvd. Called       | A Lab on Fire   | There's no way  | Bergamot, almd |
| Freckled and Be      | A Lab on Fire   | There's no bea  | Orange flower, |
| Exit the King        | Etat Libre d'Or | In these tumult | Timur JE, Soap |
| Eshu Extrait         | PRIN            | Eshu, the misc  | Tobacco, hay,  |
| Saringkarn Extr      | PRIN            | A taste of lov  | Saffron, champ |
| Arsalan Parfum       | PRIN            | The Persian le  | Cambodian oud, |
| Nocturnal Poetr      | PRIN            | Who says a nig  | Violet, champa |

# Challenges

- Issues with crawlers on the website.
- Issues with entity linking problems.
- Data insufficient or missing problem.
- System build and Frontend design.