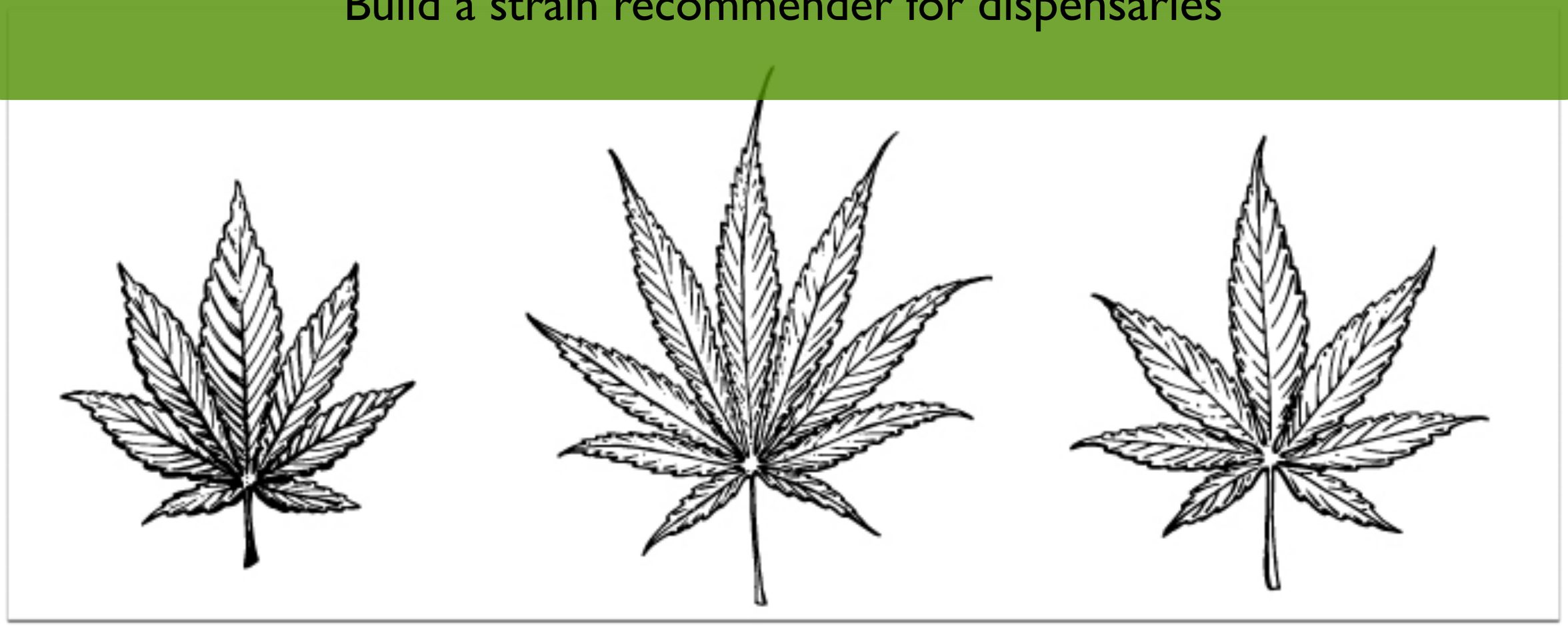
# CANNABIS SELECT

D'FRANTZ SMART

Farma

# 779 unique strains in production

Build a strain recommender for dispensaries



Data: 166,000 customer reviews from Leafly

Method: Extract main topics using topic modeling

Method: Compare strain topics to find similar strains

Recommender: Provide one to ten comparable strains

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# Customer review text

**MandM_WSU** follow

1 week ago

5.0 ★★★★★

Great indica dominant strain. Nice, relaxing, yet focused high. Good for conversations with family and friends. Not spacey at all (well, maybe just a little...). Slows down time. Good strain to get things done (as long as the to-do list is breif).

Helpful (0) Report

**DrPearl** follow

3 weeks ago

4.0 ★★★★☆

Lovely indica. Very uplifting and calming. Great to raise your spirits while cooling off. Good bet for calm conversations in smaller doses. Recommend for insomnia as well.

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| Topic 1 | Topic 2 | Topic 3 |
|---|---|---|
| Relax | Nice | Strong |
| Anxiety | Energizing | Head |
| Day | Amazing | Sleep |

# Customer review text

Number of Rec

1 — 10

Strain Name

- [x] (All)
- [x] Blueberry
- [x] Gelato
- [x] Sour-Diesel

## Strain Recommender

| Strain Name | Strain Recomme.. | |
|---|---|---|
| Blueberry | swiss-tsunami | 1 |
| | cali-kush | 2 |
| | ice-cream | 3 |
| | golden-goat | 4 |
| | alien-og | 5 |
| | honey-bananas | 6 |
| | ayahuasca-purple | 7 |
| | sequoia-strawberry | 8 |
| | berry-bomb | 9 |
| | vcdc | 10 |
| Gelato | romulan | 1 |
| | amnesia-haze | 2 |
| | jillybean | 3 |
| | purple-mr-nice | 4 |
| | hindu-skunk | 5 |
| | pineapple | 6 |
| | crunch-berry-kush | 7 |
| | pineapple-kush | 8 |
| | arjans-strawberry-haze | 9 |
| | buddha-tahoe | 10 |
| Sour-Diesel | moby-dick | 1 |
| | outer-space | 2 |
| | blackberry | 3 |
| | platinum-gsc | 4 |
| | ak-47 | 5 |
| | purple-dragon | 6 |
| | stardawg | 7 |
| | cheese-quake | 8 |
| | sour-kush | 9 |
| | silver-surfer | 10 |

## Cosine Similarity

| | blueberry |
|---|---|
| **blueberry** | 1.000000 |
| **swiss-tsunami** | 0.999361 |
| **cali-kush** | 0.999180 |
| **ice-cream** | 0.999078 |
| **golden-goat** | 0.999009 |
| **alien-og** | 0.998996 |
| **honey-bananas** | 0.998944 |
| **ayahuasca-purple** | 0.998565 |
| **sequoia-strawberry** | 0.998543 |
| **berry-bomb** | 0.998518 |
| **vcdc** | 0.998509 |

# Benefits of Recommender

Reduce cost of training employees

Assist in purchasing and supply chain

Implement at the point of sale on website

Improve customer experience and overall satisfaction