The Budtender Blues:

Helping our beloved budtenders pick you the right bud

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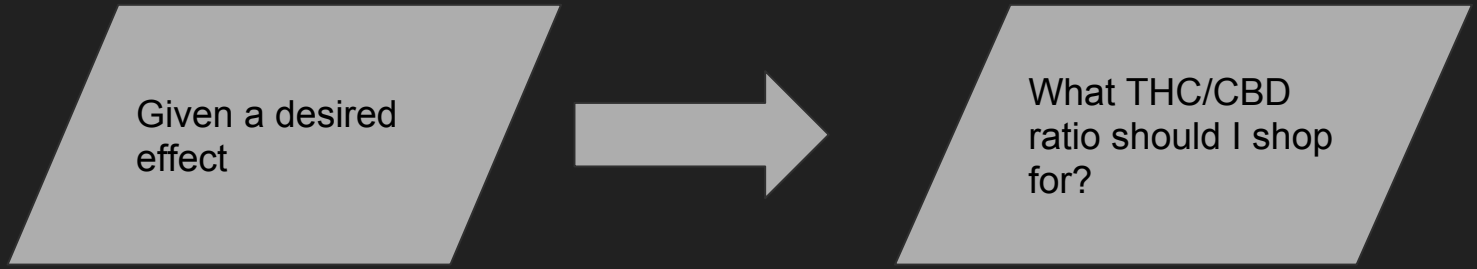
Problem

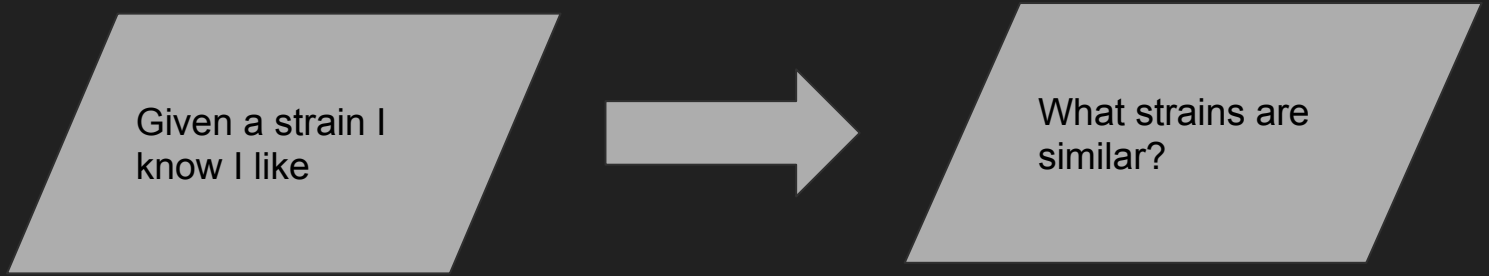
For consumers of cannabis (and their budtenders), it is often a challenge to find a product that consistently matches a desired pharmacological need for treatment or desired recreational biological outcome.

Solution

- A better mapping of reported effects to THC/CBD ratios



- Content-based recommendations

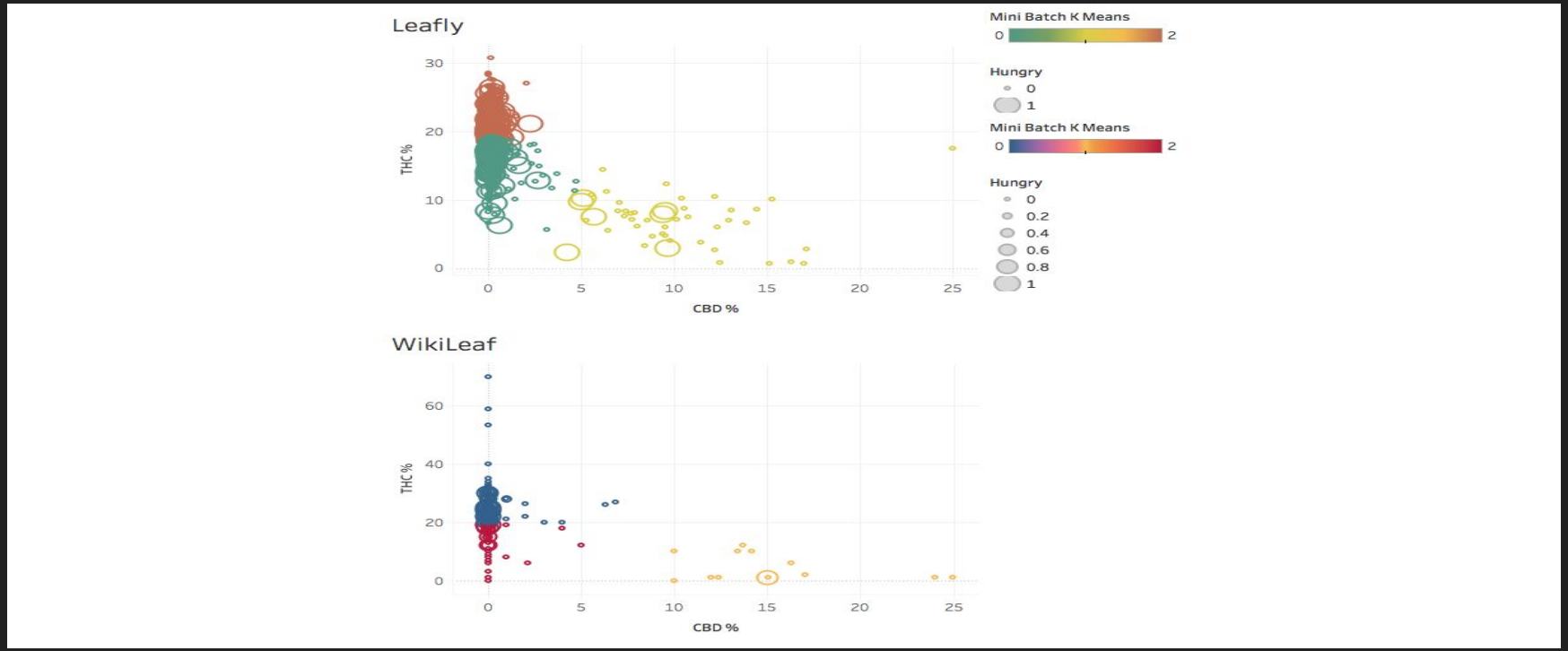


Data

- Leafly
- Weedmaps
- Cannabis Reports
- WikiLeaf
- Washington Lab Testing

Dashboard

[Super Fancy Chemovar Dashboard]



Checking for effect differences between clusters

T-Test P-Values for Hungry Effect in Wikileaf Data Set				
Effect	***Clustering Algorithm***	***Cluster 1 & 2***	***Cluster 1 & 3***	***Cluster 2 & 3***
Hungry	MB K-Means	**0.14**	**0.19**	**0.10**
	Spectral	**0.01**	**0.00**	**0.57**
	Ward	**0.14**	**0.12**	**0.09**
	Agglomerative	**0.55**	**0.46**	**0.15**
	Birch	**0.13**	**0.22**	**0.46**
	Gaussian Mix	**0.04**	**0.86**	**0.03**

Do effects differ by chemovar clusters?

- Results seem to indicate the answer is NO

- The Talkative effect was the only measure that was generally indicated across algorithms and data sets
  - Focused across algorithms in Leafly

- Looking to THC/CBD ratio might not help budtenders, but……...

Cannabis Strain Recommender

[The Dankommender]

Discussion/Next Steps

- Pimp out Web App
- Make Dashboard interactive
- More Biochemical Data/Lineage Data