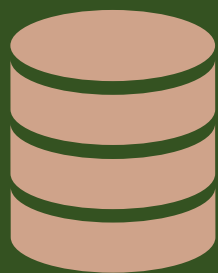


# Cannabis strain clustering

1. Collect cannabis strain data



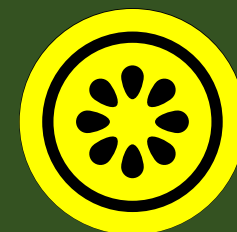
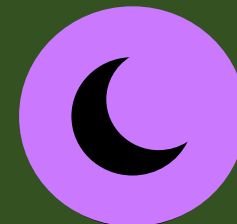
2. Clean & explore data



3. Use machine learning to discover strain groups



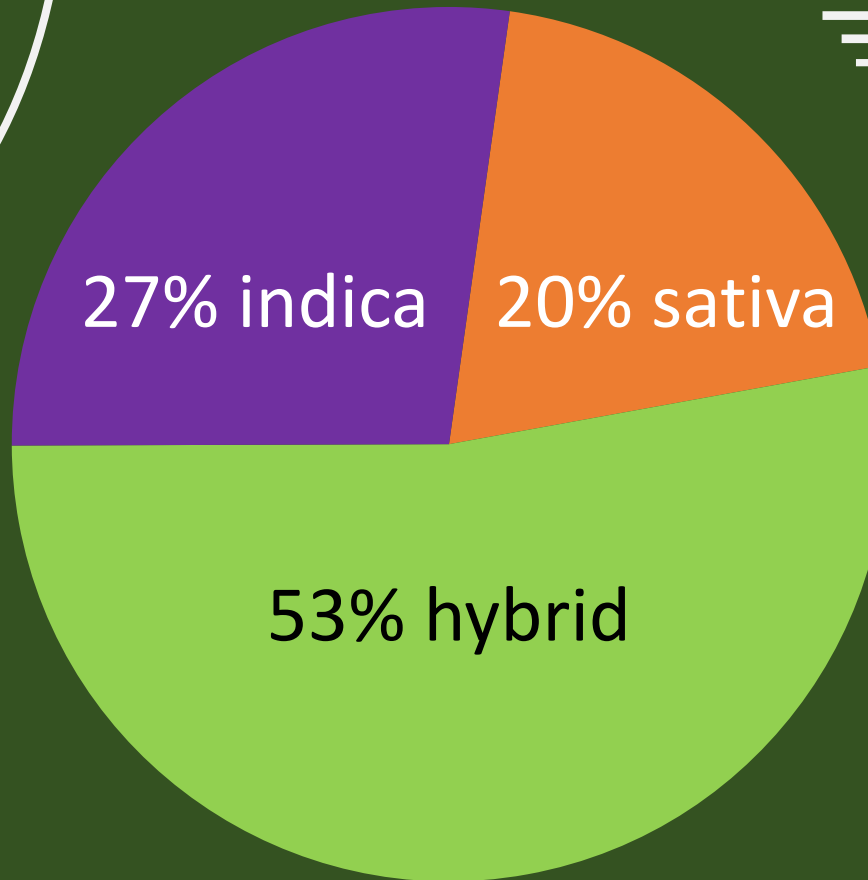
4. Examine and interpret groups



# The Cannabis Strain Dataset

## By the numbers

- 2,706 strains
- 48 flavours
- 19 effects
- 14 medical uses
- 3 database sources

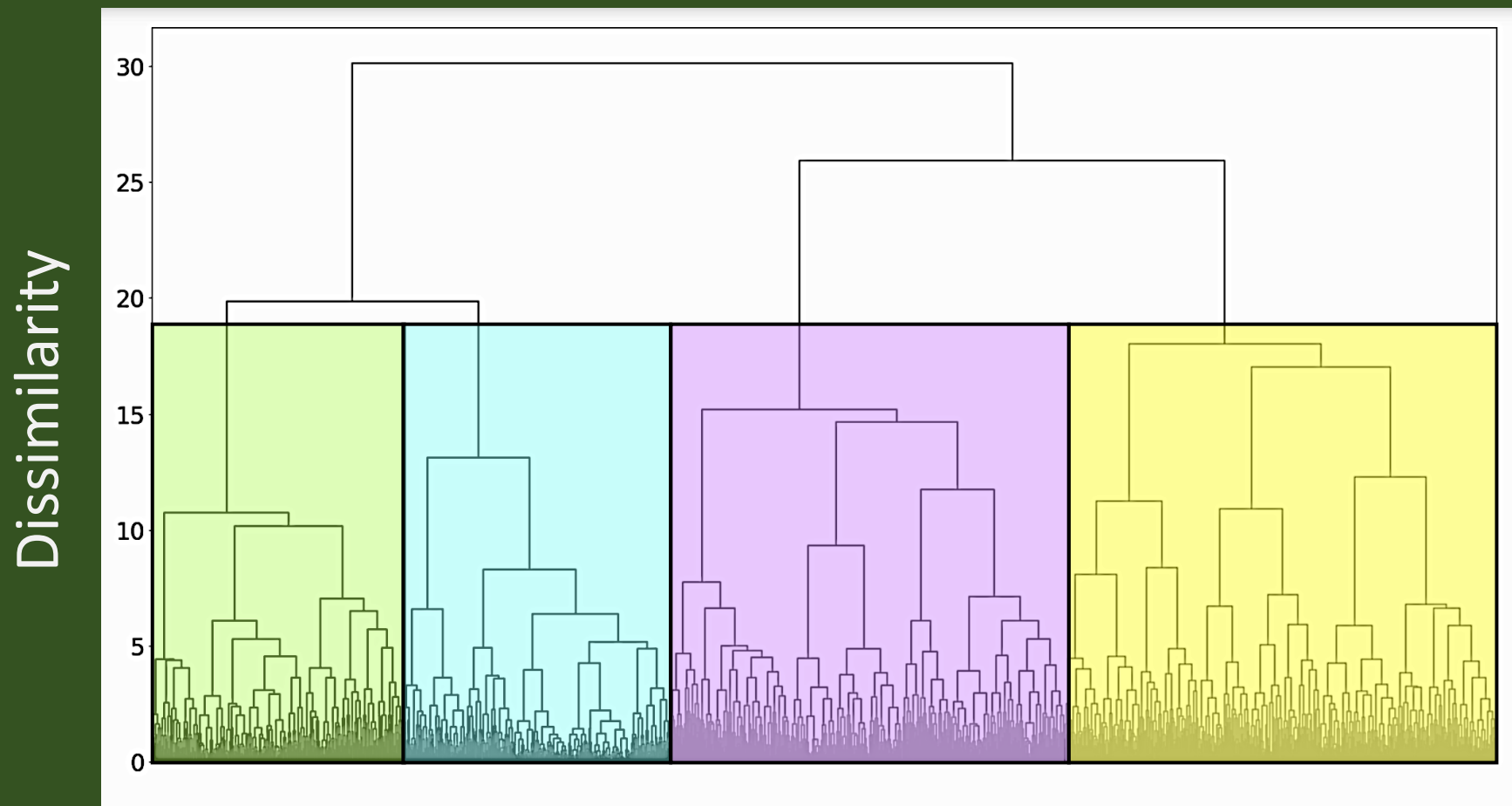


## Top flavours

Earthy  
Sweet  
Citrus  
Pungent  
Berry  
Woody  
Pine  
Flowery  
Spicy/Herbal  
Diesel  
Lemon  
Skunk

# Discovering Strain Groups

Dendrogram (tree diagram) for strain clustering



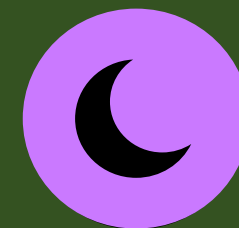
2130 cannabis strains



Rise & Shine



Berry Relaxed



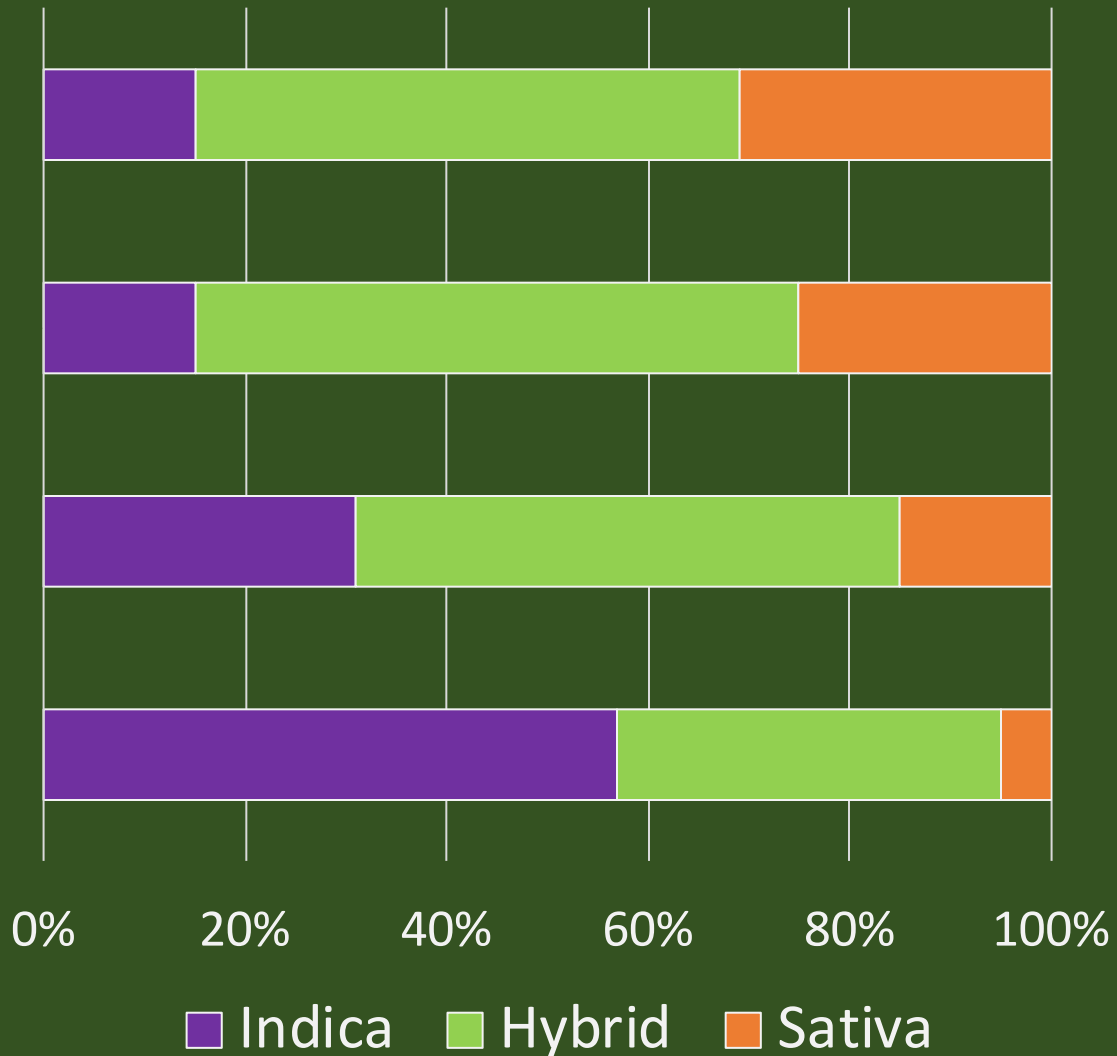
Lights Out



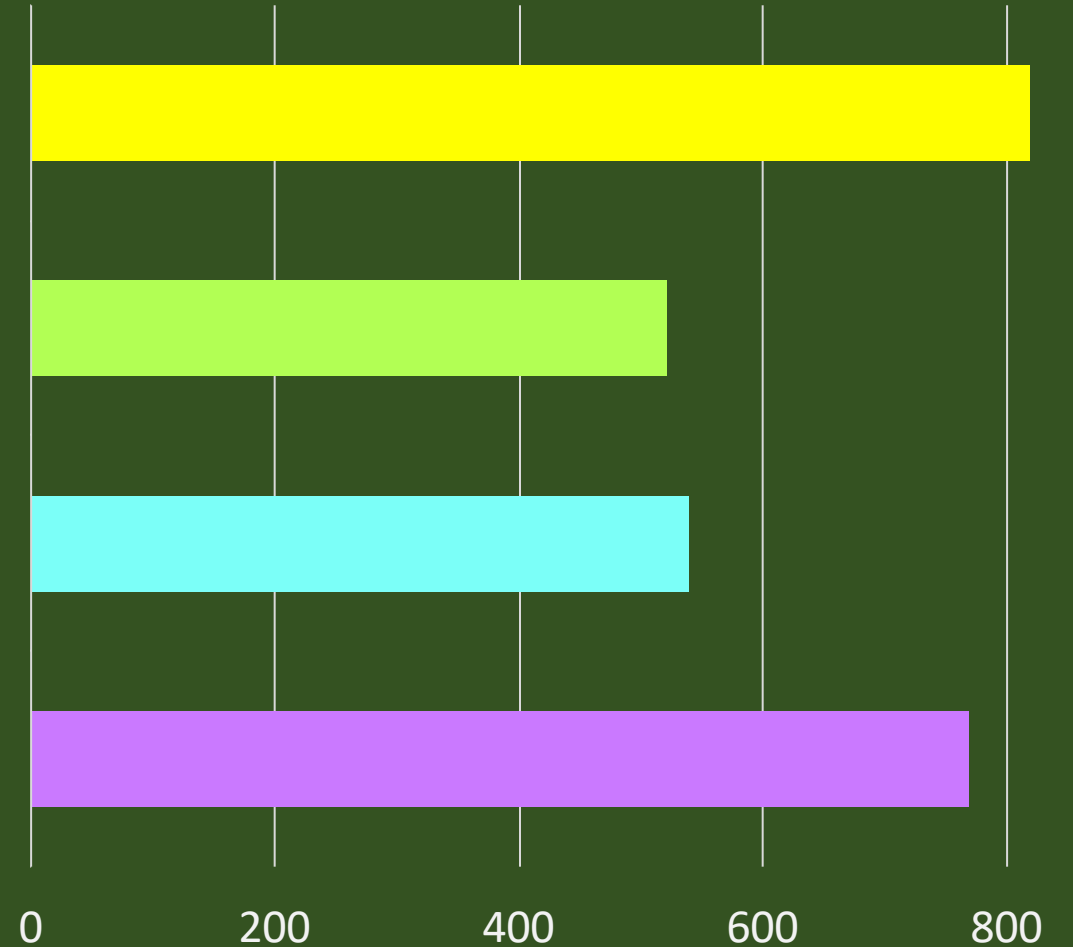
Lemon Leaves

# Group Overview

## Strain type by Group



## Strains per group



# Flavours

Berry  
Relaxed



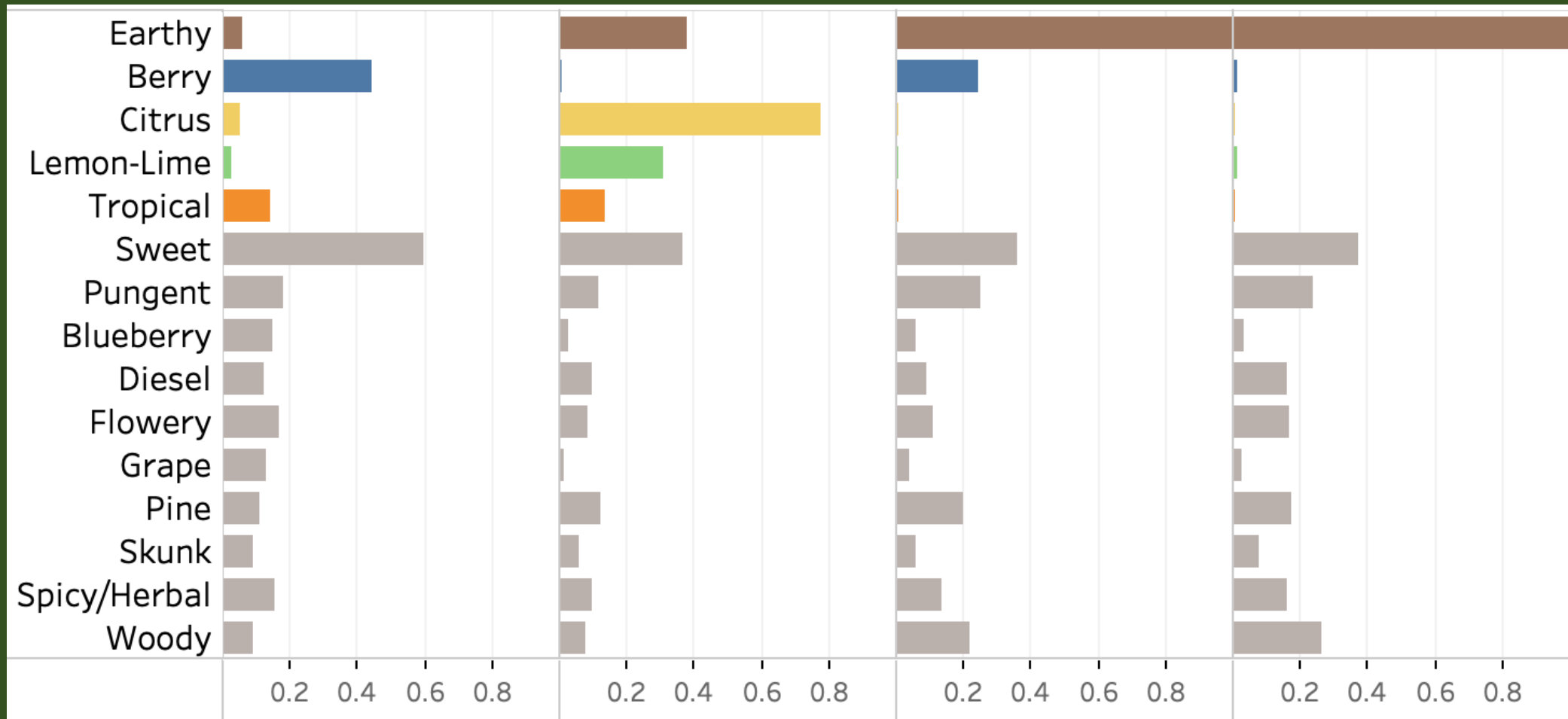
Lemon  
Leaves



Lights  
Out



Rise &  
Shine



# Effects

Berry  
Relaxed



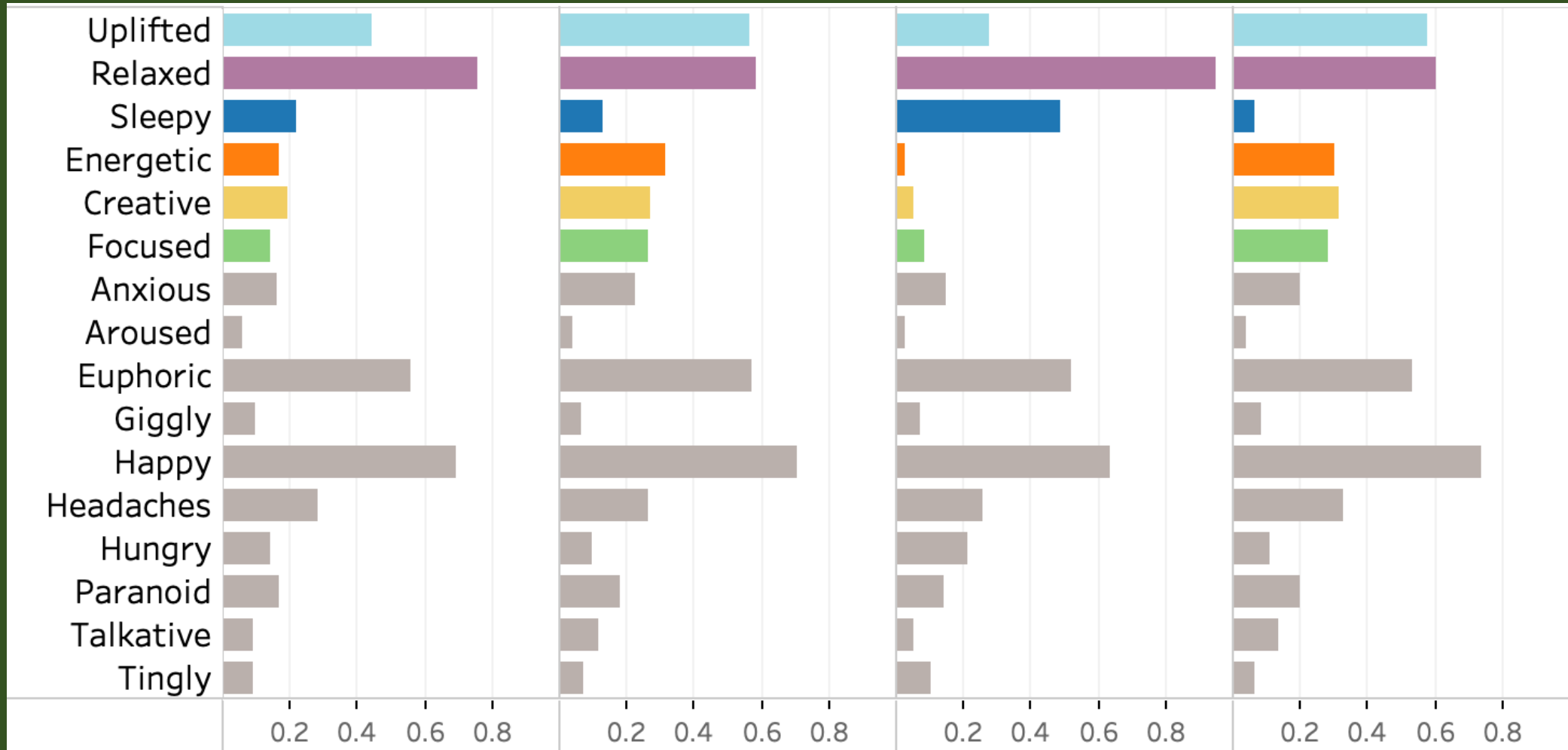
Lemon  
Leaves



Lights  
Out



Rise &  
Shine



# Medical Uses

Berry  
Relaxed



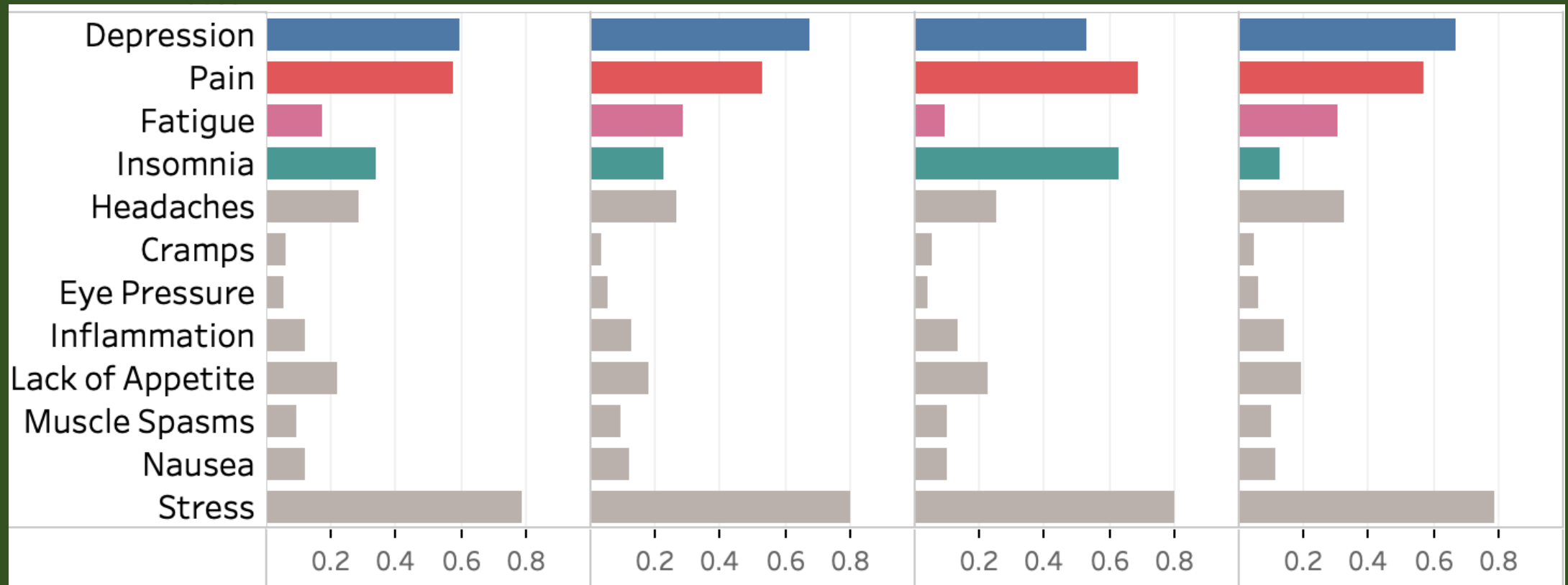
Lemon  
Leaves



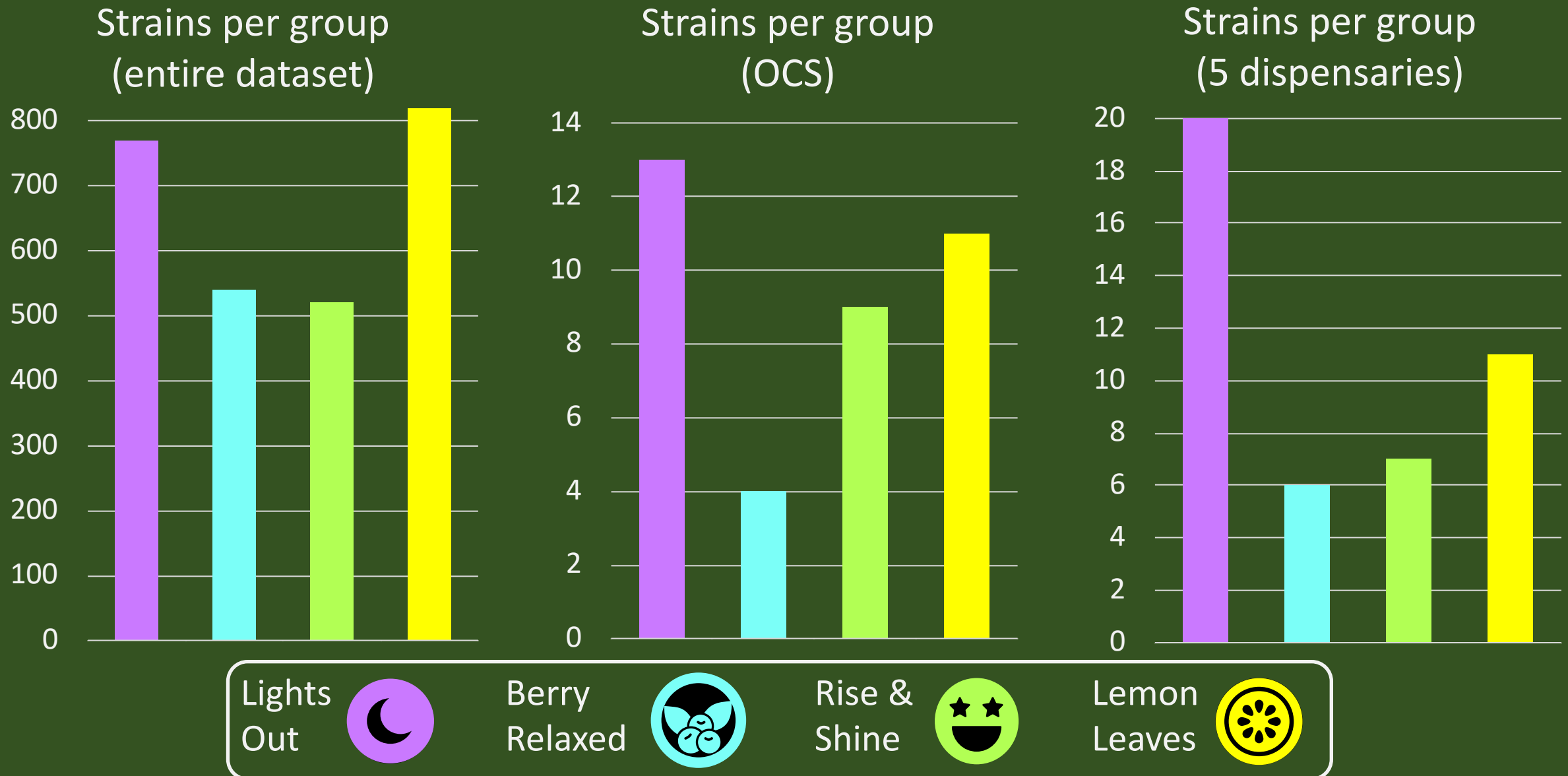
Lights  
Out



Rise &  
Shine



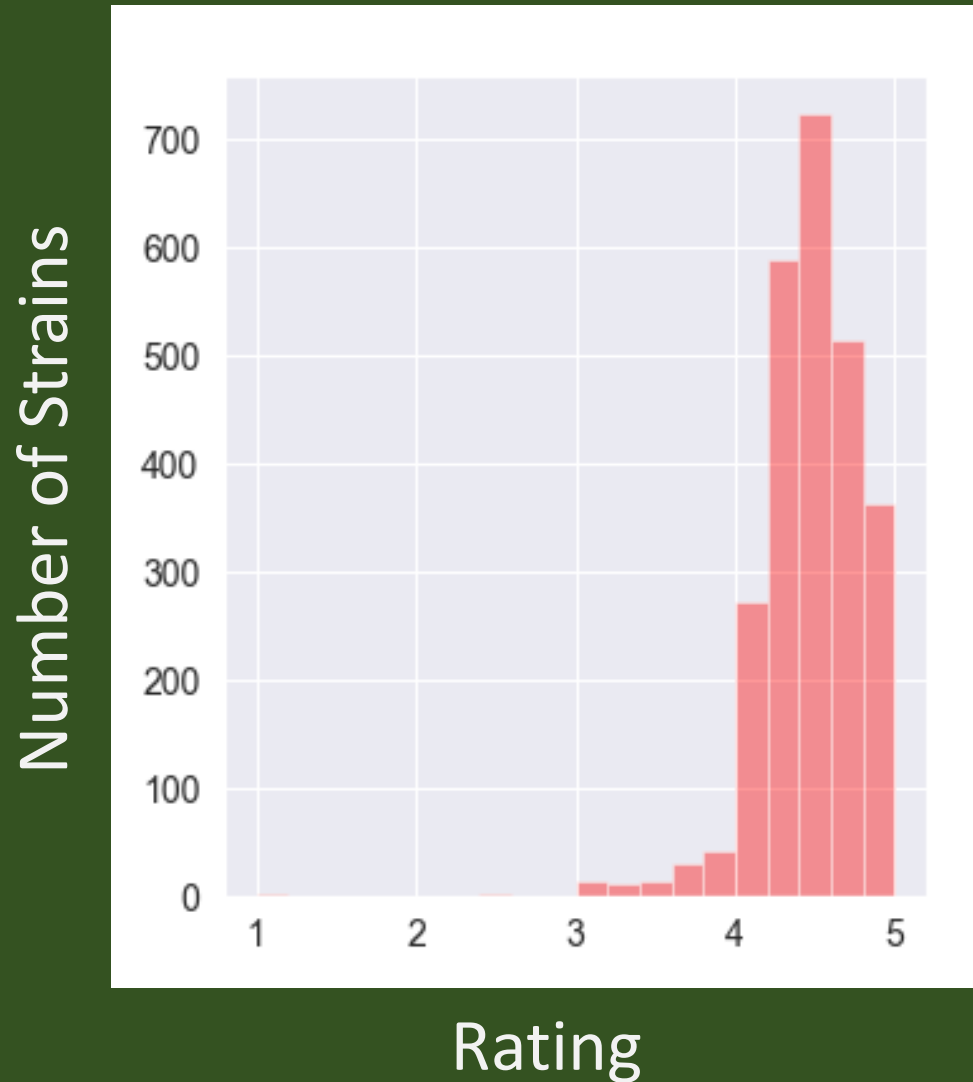
# Groups in the OCS, Dispensaries



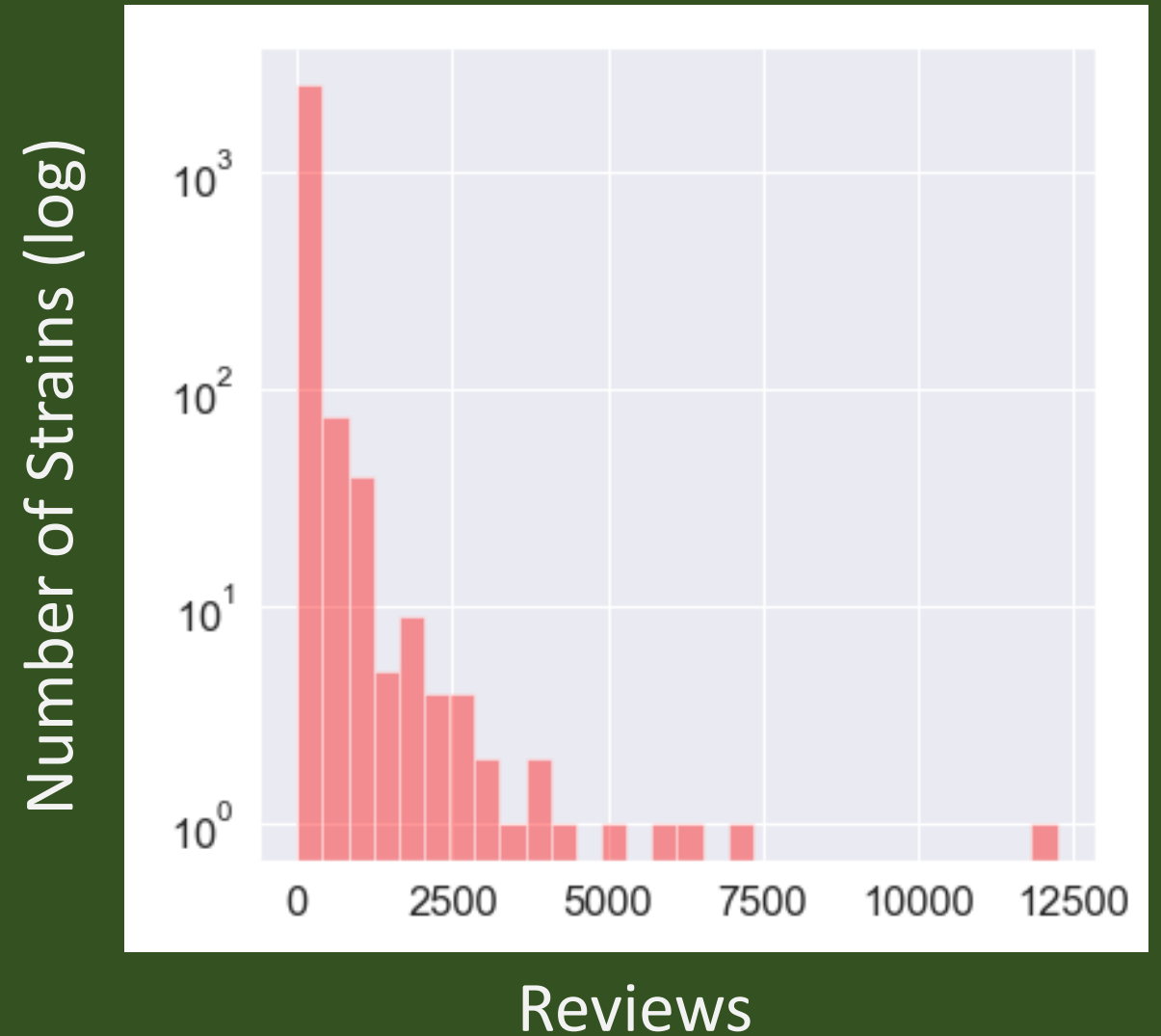


# Ratings & Reviews

Strain ratings (1-5)

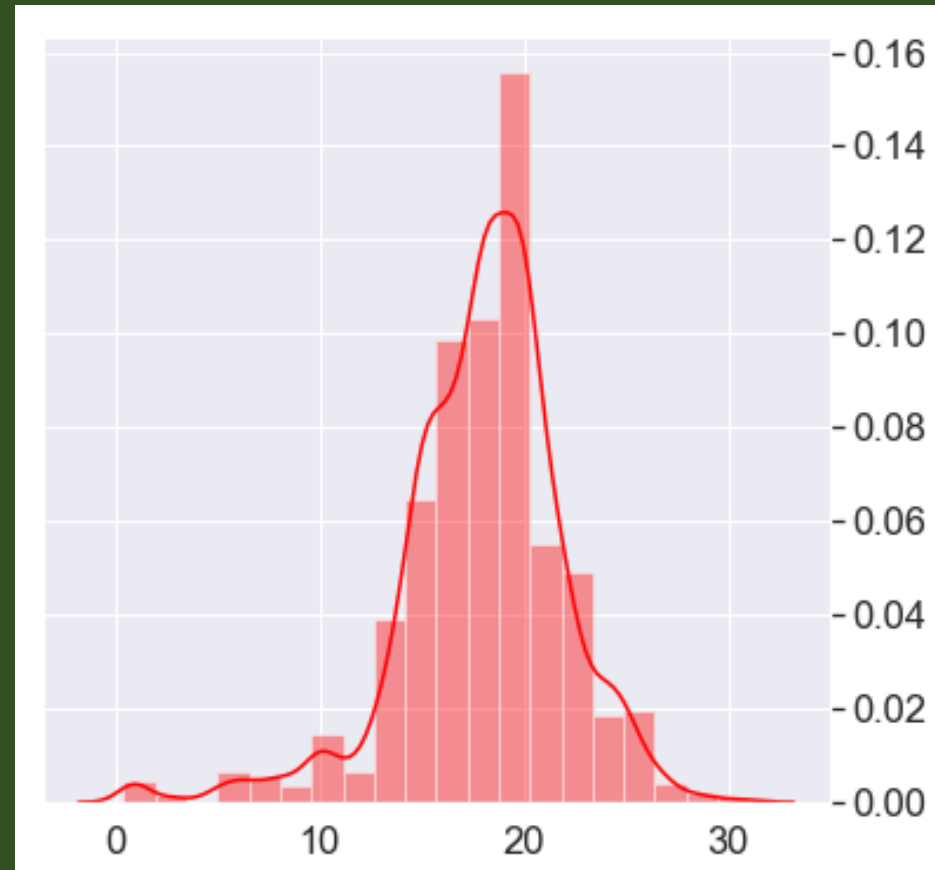


Number of reviews



# THC Values

THC values for all strains



Frequency / Probability Density

THC %