

DELICIOUS DESI DISHES DATA

ABOUT INDIA

Population: 1.4 Billion

Diaspora: nearly 18 Million

Entire population: 39% vegetarian

Hindu population: 44%

North: 71%

South: 30%

East: 18%



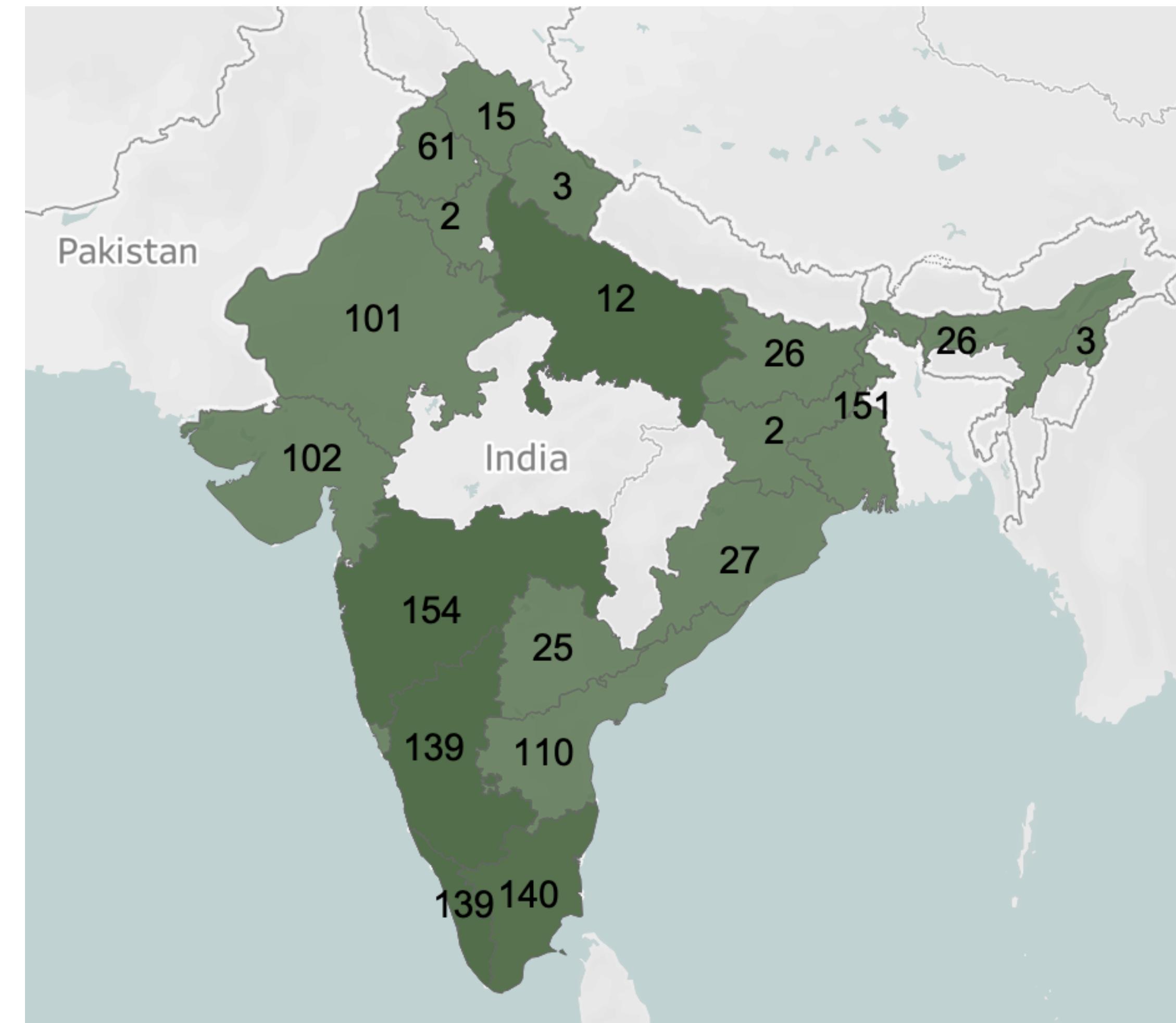
ABOUT THE DATA

4.207 recipes from archanaskitchen.com

6% of recipes labeled non-vegetarian

38% from Southern India

32% from Northern India



MY IDEAS

Identify regional dishes

Extract popular ingredients and combinations

Search the recipes in the style of „What's in your Pantry?”

Get inspired

EDA

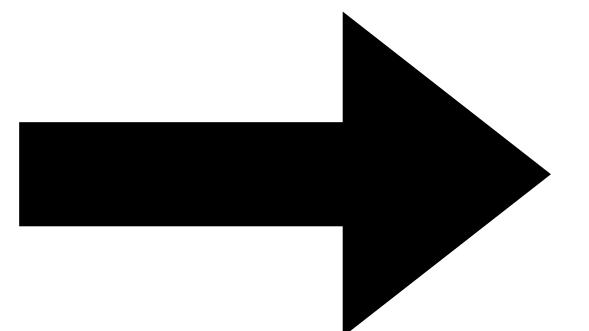
Cleaned up the translated recipes
(inconsistent naming of ingredients)

Selected ingredients

One-hot encoded the selected ingredients

Analyzed occurrences & similarities

| TranslatedIngredients |
|---|
| 1-1/2 cup Jowar Flour (Sorghum),1/2 cup Rice f... |
| 1 cup Sooji (Semolina/Rava),1/2 cup Sugar,1 c... |
| 1 cup Mangodi - moong dal,2 cups Methi Leaves ... |
| 1 cup Sooji (Semolina/Rava),3 tablespoon Hung... |
| 1 cup Arborio rice,3/4 cup Thai Yellow Curry P... |



| aloo | chaat | cardamom | cucumber | carom | cinnamon |
|------|-------|----------|----------|-------|----------|
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 |

TECH STACK



SELECTED INGREDIENTS

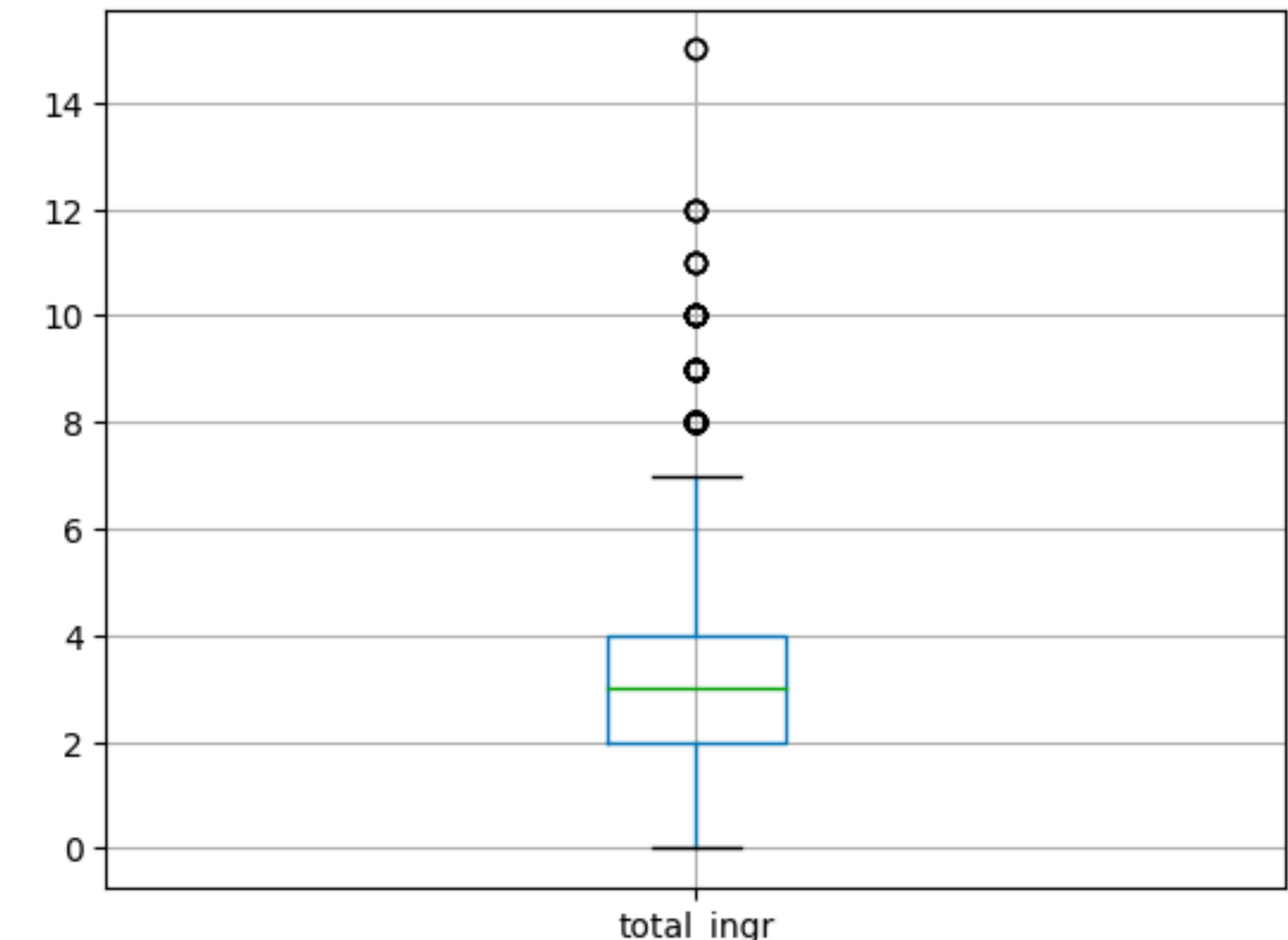
43 ingredients: 16 vegetables, 14 spices & spice mixes, 7 legumes

93% of recipes covered

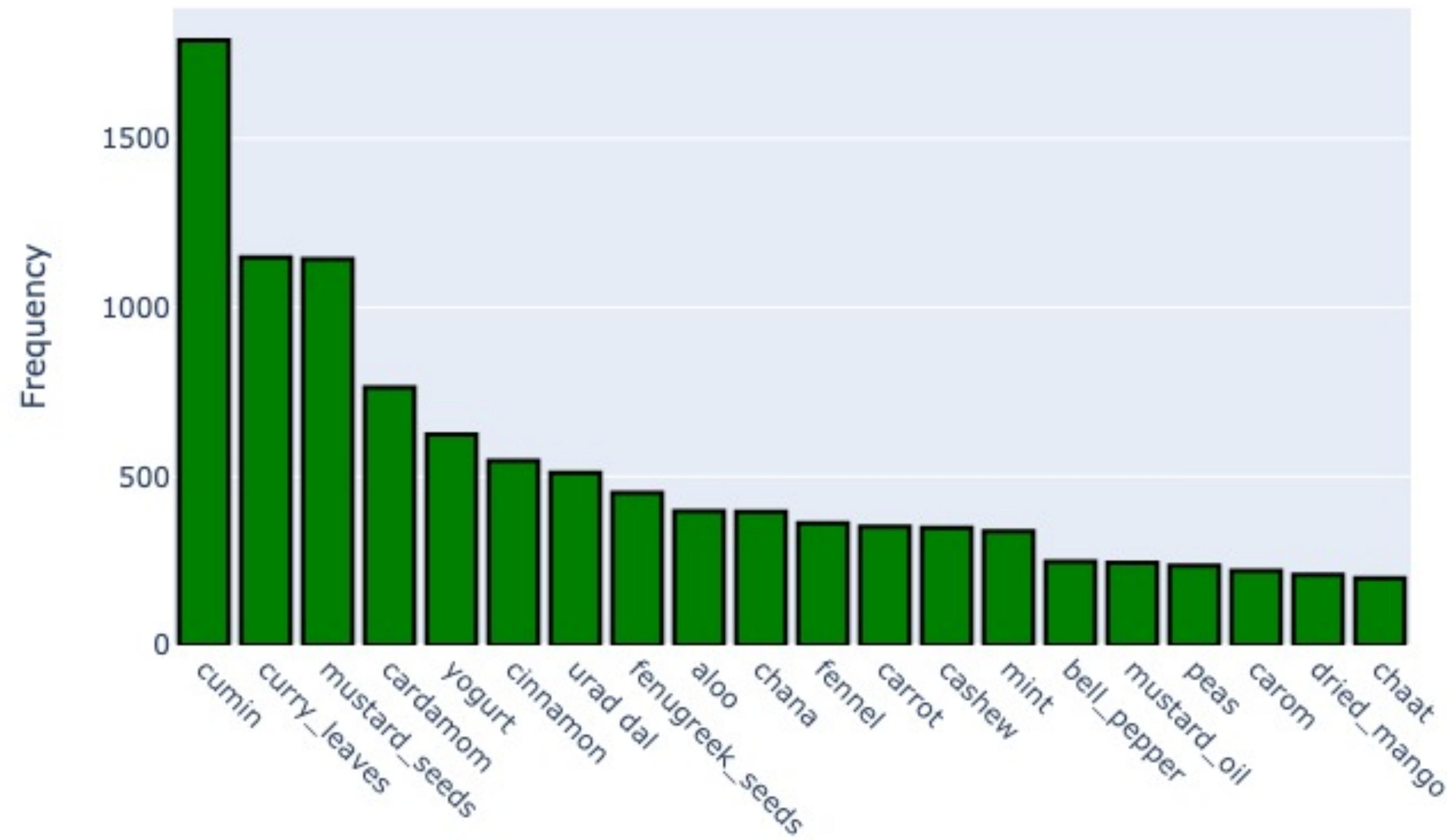
16% have only 1 selected ingredient

Average: 3 ingredients per recipe

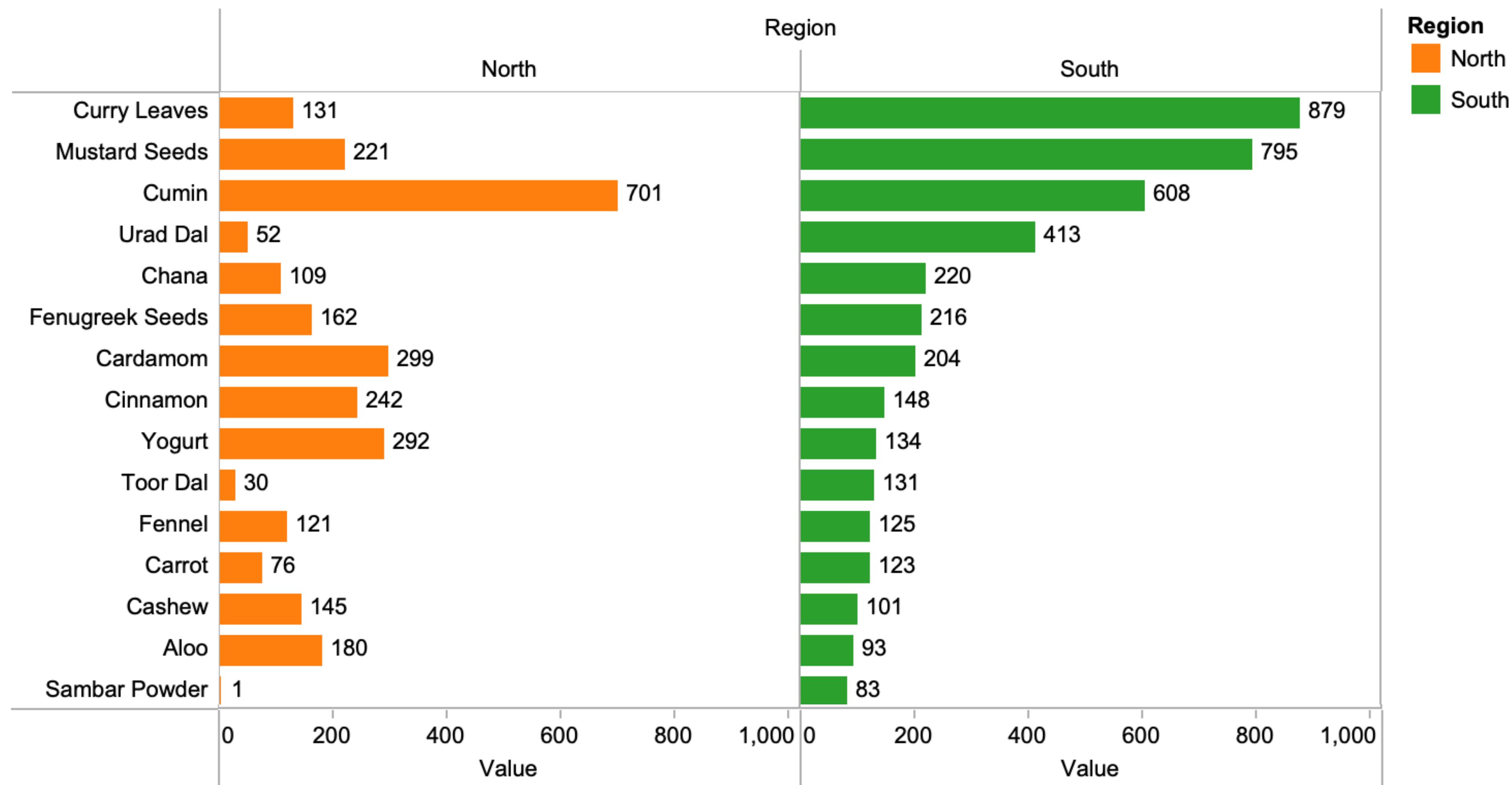
Highest occurrence: 15 ingredients in one recipe



TOP 20 SELECTED INGREDIENTS



INGREDIENTS BY REGION

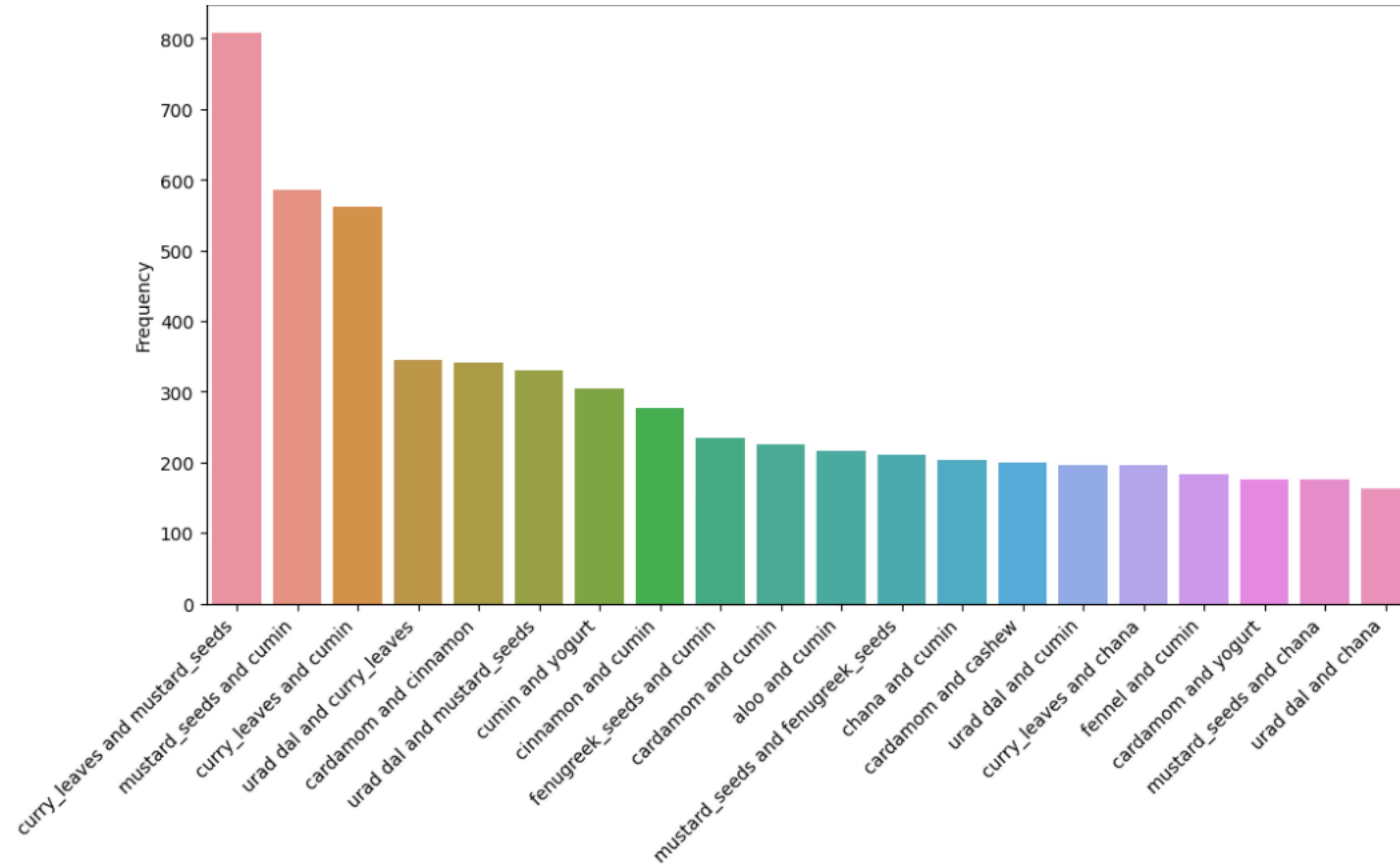


INGREDIENT COMBINATIONS

903 combinations of pairs

113 combinations with no matching recipe

TOP 20 INGREDIENT COMBINATIONS



EXAMPLE INGREDIENT COMBINATION

1.149 recipes with curry leaves

1.144 recipes with mustard seeds



Karnataka Style Moolangi
Chutney



EXAMPLE INGREDIENT COMBINATION

809 recipes with curry leaves & mustard seeds

70% of occurrences is in combination

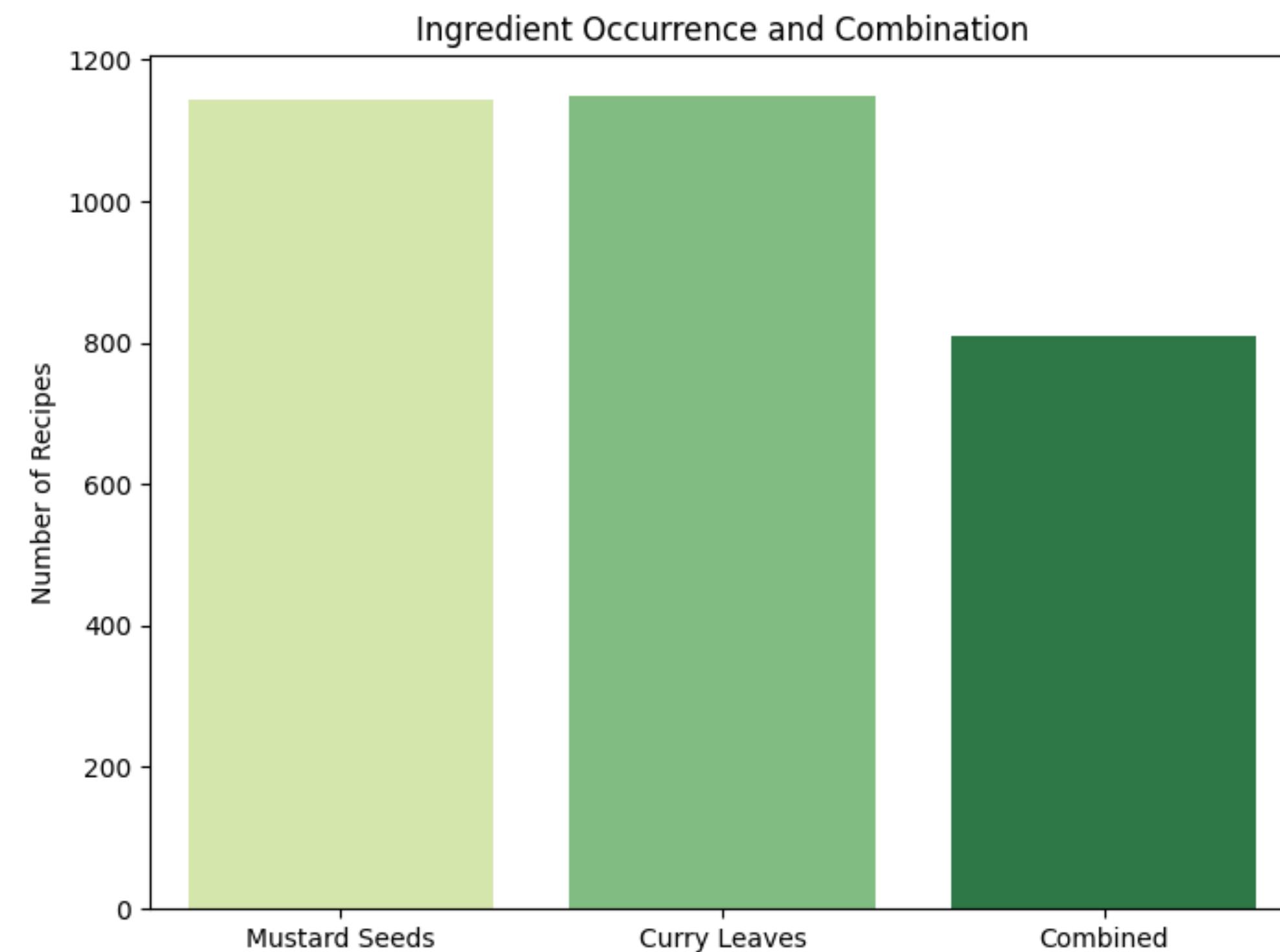
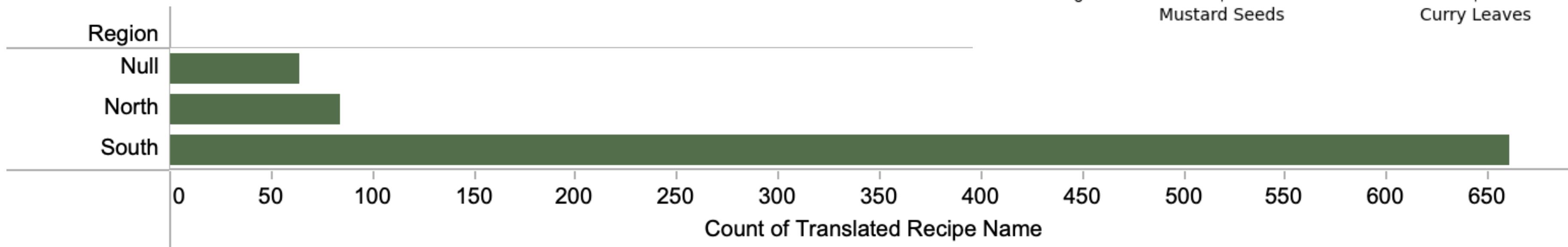


TABLEAU DASHBOARD



ingredient search box

ingredient search box depend

recipe search

Cuisine
 (All) ▾

Course
 (All) ▾

| Recipe Search Result 4,207 | | | | | |
|---|----------------|---------------|--------|----------------|--|
| Translated Recipe Name | Cuisine | Course | Region | State | Translated Ingredients |
| Achari Baingan Bharta (Recipe In Hindi) | North Indian | Lunch | North | Null | 1 eggplant, 3 tomatoes, 1 onion, 5 cloves garlic - finely chopped, 2 green chillies - finely chopped, 1 inch ginger - grated, 1/2 teaspoon turmeric powder, 2 tablespoons green coriander - chopped, 1 Tablespoon coriander - |
| Aloo Mooli Ke Patto Ki Sabzi (Recipe In Hin.. | Indian | Lunch | Null | Null | 300 grams radish leaves, 2 potatoes - boiled, 4 cloves garlic - finely chopped, 2 dry red chillies - break out of the middle, 2 tablespoons mustard oil, salt - as per taste, 1 teaspoon cumin powder, 1 small Spoon Red chil |
| Aloo Bhindi (Recipe In Hindi) | Bengali | Lunch | North | West Bengal | 300 grams okra - cut into 1 inch, 3 potatoes - cut into 1 inch, 1/2 teaspoon turmeric powder, 1 teaspoon red chilli powder, salt - as per taste, mustard oil - as per use, 1 teaspoon khus Khus, 1 teaspoon Rye |
| Aloo Bhindi Masala Gravy Recipe | North Indian | Lunch | North | Null | 200 grams okra, 1 potato - cut into a boil, 1 onion - finely chopped, 2 tomatoes - finely chopped and puree, 4 cloves garlic - finely chopped, 1 inch ginger - finely chopped, 2 green chili - Finely chop, 1 sprig curry leaf |
| Aloo Parwal Sabzi (Recipe In Hindi) | Indian | Lunch | Null | Null | 15 Parwal - cut into wedges, 3 potatoes - cut into wedges, 1/4 cup peanuts - grind them lightly, 1 teaspoon turmeric powder, 1 teaspoon red chilli powder, 1 teaspoon coriander powder, 4 sprigs Coriander - |
| Aloo Poha Recipe | Indian | Indian Brea.. | Null | Null | 1-1 / 2 cup poha, 1 or 2 potatoes - boiled, 1/2 cup green peas - steamed, 1/2 tsp rye, 1/2 tsp cumin seeds, 5-6 curry leaves - finely chopped, 1 onion - finely chopped onion, 2 green chillies - slit lengthwise, 1 tsp ginge |
| Aloo Simla Mirch Ki Sabzi (Recipe In Hindi) | Gujarati | Lunch | North | Gujarat | 4 Potatoes - boiled and chopped, 1 capsicum (green) - cut, 1 onion - cut, 1 inch ginger - tighten, 1 teaspoon coriander powder, 1 teaspoon turmeric powder, 1 teaspoon garam masala powder, salt - according to tast |
| Amritsari Ajwaini Paneer (Recipe In Hindi) | North Indian | Side Dish | North | Null | 1 cup cup cheese, 1 cup tomato puree, 1 onion - finely chopped, 2 cloves garlic, 1 green chili, 1 inch ginger, 5 cashews, 2 long, 1 teaspoon celery, 1 teaspoon garam masala powder, 1 teaspoon turmeric Powder, 1- |
| Andhra Red Chilli Chutney Recipe | Andhra | Side Dish | South | Andhra Pradesh | 100 grams red chili - fresh, 1 tbsp tamarind paste, 2 tablespoons sesame oil, 1 tsp rye, 1/2 tsp asafoetida, 1/2 tsp fenugreek powder, salt - as per taste |
| Andhra Style Kandi Pachadi (Recipe In Hindi) | Andhra | South India.. | South | Andhra Pradesh | 1 cup tur dal - pil, 1/4 cup white urad dal (split), 3 dry red chillies, 1/2 cup roasted chana dal, 1 teaspoon cumin seeds, 18 grams tamarind, 4 bud garlic, salt - 1 to taste Teaspoon mustard, 1 teaspoon white urad dal |
| Andhra Style Peanut Chutney Recipe | Andhra | Side Dish | South | Andhra Pradesh | 1 cup peanuts - peel, 3 cloves garlic, 2 tomatoes - finely chopped, 5 dry red chillies, 1 tsp oil, 1 tsp rye, 1 tsp white urad dal, 1 sprig curly leaves, salt - as per taste |
| Apple Onion Chutney (Recipe In Hindi) | Indian | Side Dish | Null | Null | 2 apples - peel and cut into small pieces, 3 onions - peel and chop, 2 teaspoons ginger - tighten, 5 dates - cut the seeds, 1 teaspoon all spice powder, 5 tablespoons jaggery - tighten, 1/3 Cup red wine vinaigrett |
| Assamese Fish Fried Rice (Recipe In Hindi) | Assamese | Dinner | North | Assam | 2 cups rice - cook, 1 cup fish - cut in half, 1 onion - cut, 2 tablespoons dry coconut - tighten, 1 tablespoon coriander powder, 1 teaspoon turmeric powder, 1 teaspoon cumin powder, 1 inch Ginger - chopped, 1/2 cup |
| Baby Potatoes In Tomato Gravy (Recipe In Hin.. | North Indian | Lunch | North | Null | 15 small potatoes, 2 tomatoes, 1 teaspoon cumin powder, 1-1 / 2 teaspoon red chili powder, 1/2 teaspoon coriander powder, 1/4 teaspoon turmeric powder, 1 tablespoon oil, 1/2 teaspoon Salt, 2 long, 2 cardamom, |
| Badanekayi Gojju Recipe | South Karnat.. | Lunch | South | Karnataka | 10 eggplants, 2 onions - finely chopped, 1 tsp rye, salt - as per taste, 4 tbsp oil, green coriander - for garnish, peanuts - roast, 1/4 cup coconut - great, 2 tbsp Spoon peanuts, 2 tbsp tamarind paste, 2 dry red chillies, |
| Bajra Matar Ki Khichdi (Recipe In Hindi) | Indian | Lunch | Null | Null | 1 cup millet flour, 1/2 cup yellow moong dal, 1 tablespoon oil, 1/2 teaspoon mustard, 1/2 teaspoon cumin seeds, 1/2 teaspoon asafoetida, 1 onion - finely chopped, 1 tomato - Finely chop, 1 potato - chop, 1 carrot - |
| Baked Chinese Potato Recipe | Kerala | Lunch | South | Kerala | 250 g potato - cut straight and thick, turmeric powder - a pinch, 10 small onions - cut it straight and thin, 3 cloves garlic - finely chopped, 1 teaspoon red chili flax, salt - 1 sprig curry leaves, as per taste , Coconut oil |
| Beetroot and Fig Chutney Recipe | North Indian | Side Dish | North | Null | 1 cup Figs - chopped, 1 teaspoon celery, 1 cup Chakundar - (beetroot), 1 teaspoon nutmeg, 2 teaspoons red chili powder, 4 cloves garlic - chopped, 3 green chillies - chopped |
| Beetroot Garlic Lemon Rasam (Recipe In Hindi) | South Indian | Lunch | South | Null | 1 chakundar - washed, 3 cups of water, salt - a pinch, 1 teaspoon black pepper powder, 1 teaspoon cumin seeds, 1 tablespoon coriander seeds, 4 dry red chillies, 4 bud garlic - with peel, 1 tablespoon green Corian |
| Bengali Phool Gobhi Paturi (Recipe In Hindi) | Bengali | Lunch | North | West Bengal | 1 cup potato - chopped, 2 cups cabbage - chopped, 1 tablespoon cumin seeds - black, 3 tablespoons poppy seeds, 1/2 teaspoon turmeric powder, 4 green chillies - as per taste, 1 tablespoon oil, 1/2 Teaspoon salt |
| Bengali Style Mixed Vegetable (Recipe In Hindi) | Bengali | Lunch | North | West Bengal | 1 cup trumpet - chop, 1 cup pumpkin - chop, 1 cup eggplant - chop, 1 cup potato - chop, 2 drumsticks - cut in half, 1/2 cup cowpea pod - cut, 1/2 cup parwal - Cut, 1/2 cup radish - cut, mustard oil - as per use, 4 tabl |
| Besan Arbi Roast (Recipe In Hindi) | Indian | World Brea.. | Null | Null | 250 gm arabic, 2 tablespoons gram flour, 1 teaspoon red chili powder, 1 teaspoon coriander powder, 1/4 teaspoon turmeric powder, 1/2 teaspoon mango powder, 3/4 teaspoon cumin powder, salt - as per taste , 1/4 |
| Bhindi Raitha (Recipe In Hindi) | Indian | Side Dish | Null | Null | 250 grams okra - cleaned, 2 tablespoons oil, 3/4 cup Hung-fat, 1/2 teaspoon mustard, 1/2 teaspoon cumin seeds, 2 teaspoons red chili powder, 1/2 tablespoon peanut powder - Roast, 1/2 teaspoon chaat masala p |
| Bihari Style Baingan Ka Chokha (Recipe In Hin.. | Bihari | Lunch | North | Bihar | 1 eggplant, 1 tomato - finely chopped, 1 green chili - finely chopped, 1 onion - finely chopped, 1 inch ginger - grated, 1/4 teaspoon asafoetida, 2 tablespoons mustard oil, salt - as per taste |
| Bitter Gourd Chips Recipe | Indian | Snack | Null | Null | 1 bitter gourd, 1 rice flour, 1 tablespoon gram flour, 3/4 tablespoon corn flour, 1 teaspoon coriander powder, 1/2 teaspoon cumin powder, 1/2 teaspoon fennel - crush, 1/4 small Tablespoon raw mango, 1 teaspoon r |
| Boondi And Spring Onion Greens Sabzi (Recip.. | North Indian | Lunch | North | Null | 8 green onion leaves - cut, 1 cup boondi, 2 green chillies - finely chopped, oil - as per use, 1 teaspoon cumin seeds, 1/4 teaspoon asafoetida, 1 tablespoon garlic - paste, 1/2 tablespoon Turmeric powder, 1 tablespo |
| Broccoli And Aloo Poriyal Recipe (Recipe In Hin.. | South Indian | Lunch | South | Null | 1 broccoli - cut into small pieces, 3 potatoes - peel and cut into wedges, 1/2 teaspoon mustard, 1 clove curry leaves - break, 1 teaspoon red chili powder, 1/2 teaspoon turmeric powder, salt - taste Oil according to u |
| Broccoli Rava Idli Recipe | South Indian | South India.. | South | Null | 1/2 cup polenta, 1/2 cup semolina, 1 cup broccoli - tighten, 2 tbsp cashews, 1 cup yogurt, 1/2 cup water, 1 inch ginger - finely chopped, 1/4 tsp asafoetida, 1 Sprig curry leaves, 1 tsp rye, 1 tsp white urad dal, 2 green |
| Broccoli Stir Fry (Recipe In Hindi) | Tamil Nadu | Side Dish | South | Tamil Nadu | 2 cups broccoli - cut into small pieces, 1 onion - chopped, 1 teaspoon mustard, 1 teaspoon cumin seeds, 1 teaspoon turmeric powder, 1 teaspoon red chili powder, 2 sprig curly leaves, salt - 2 small Spoon oil |
| Cabbage Tomato Sabzi (Recipe In Hindi) | North Indian | Lunch | North | Null | 300 grams cabbage - finely chopped, 2 tomatoes - finely chopped, 1 teaspoon turmeric powder, 1 teaspoon coriander powder, salt - to taste, red chili powder - as per taste, 1 teaspoon oil, 1/2 teaspoon Rye, 1/2 tea |
| Capsicum Masala Gravy (Recipe In Hindi) | Indian | Lunch | Null | Null | 1 cup capsicum (green) - chopped, 1 onion - chopped, 2 tomatoes - chopped, 10 cashews, 1 teaspoon sesame (white), 1 tablespoon peanuts, 1 teaspoon Kasuri methi, 1 teaspoon red chili Powder, 1 teaspoon cori |
| Carrot and Beans Thoran (Recipe In Hindi) | Kerala | Dinner | South | Kerala | 3 carrots - chop, 20 green beans - chop, 1 onion - chop, 3 green chillies - cut straight, 1 teaspoon cumin powder, 1/2 teaspoon turmeric powder, 1 teaspoon salt - as per taste, 1 Tablespoon oil, 1/4 teaspoon mustan |
| Carrot And Capsicum Mix Dal Recipe | South Indian | Lunch | South | Null | 1 cup arhar dal, 1 carrot - cut, 1 capsicum (green) - cut, 1 tomato - chopped, 1 inch ginger - chopped, 1/2 tsp turmeric powder, 1 cup tamarind water, salt - According to taste, 1 teaspoon mustard, 1 teaspoon cumin |
| Carrot Capsicum Poriyal Recipe | South Indian | Side Dish | South | Null | 4 carrots - cut, 2 capsicum (green) - cut, 1/2 teaspoon mustard, 1/2 teaspoon cumin seeds, 1/2 teaspoon white urad dal, 1 sprig curry leaves - 1/2 Tsp asafoetida, 2 green chillies - chopped, 2 tbsp coconut - grated, |
| Carrot Methi Pachadi (Recipe In Hindi) | South Indian | Dinner | South | Null | 100 grams fenugreek, 1 carrot - grated, 1 tablespoon oil, 2 tablespoons white urad dal (split), 1/4 tablespoon mustard, 1 tablespoon cumin seeds, 2 dry red chillies, 1 to 2 green chillies - finely chopped Dried, 1/4 tab |
| Chammanthi Chutney Recipe | Indian | Side Dish | Null | Null | 1 cup coconut - grated, 1 inch ginger - grated, 1 onion - finely chopped, 1 sprig curry leaves, 1/2 teaspoon asafoetida, 1 teaspoon mustard, 2 dry red chillies, 2 tablespoons oil, salt - According to taste |
| Chana Methi Dal (Recipe In Hindi) | North Indian | Side Dish | North | Null | 1 cup chana dal, 1 fenugreek - one bundle (wash), 1/4 teaspoon asafoetida, 1 teaspoon cumin seeds, 1 onion - finely chopped, 1 tomato - chopped, 2 teaspoons coriander powder, 1 teaspoon turmeric powder, 1 teasi |

JACCARD INDEX

Measures similarities between data sets

Filtered for chutneys: 159 recipes

Highest average Jaccard Index: 0.31

| TranslatedRecipeName | Andhra Style Alam Pachadi Recipe - Adrak Chutney (Recipe) | Cauliflower Leaves Chutney (Recipe in Hindi) | South Indian Onion Chutney Recipe - South Indian Onion Chutney (Recipe) | Garlic Amla Chutney Recipe - Lehsun Amla Chutney Recipe | Andhra Steel Tomato Knock Recipe (Tomato Chutney) | Peerkangai Thogayal Recipe (Ridge Gourd Peel Chutney) | Rajasthani Kachri Chutney Recipe - Rajasthani Kachri Ki Chutney Recipe |
|--|---|--|---|---|---|---|--|
| Andhra Style Alam Pachadi Recipe - Adrak Chutney (Recipe) | 0.000000 | 0.333333 | 0.400000 | 0.500000 | 0.2 | 0.600000 | 0.00 |
| Cauliflower Leaves Chutney (Recipe in Hindi) | 0.333333 | 0.000000 | 0.750000 | 0.285714 | 0.0 | 0.333333 | 0.20 |
| South Indian Onion Chutney Recipe - South Indian Onion Chutney (Recipe) | 0.400000 | 0.750000 | 0.000000 | 0.333333 | 0.0 | 0.400000 | 0.25 |
| Garlic Amla Chutney Recipe - Lehsun Amla Chutney Recipe | 0.500000 | 0.285714 | 0.333333 | 0.000000 | 0.0 | 0.285714 | 0.00 |
| Andhra Steel Tomato Knock Recipe (Tomato Chutney) | 0.200000 | 0.000000 | 0.000000 | 0.000000 | 0.0 | 0.500000 | 0.00 |

FURTHER DEVELOPMENT

Crawl for dataset only including recipes in English

Extract all ingredients

Cluster for precise dishes

Build app in Streamlit to filter for ingredients and compare recipes

Suggest similar or recipes or try something new

Finding recipes that contain totally new ingredients

Finding recipes that are similar with a twist



Dahi Bhindi Recipe -
Okra in Yogurt
Curry with
Caramelized
Onions



भिंडी मसाला ग्रेवी रेसिपी
- Bhindi Masala
Gravy Recipe



Paruppu Urundai
Mor Kuzhambu
Recipe(Lentil Balls
in Yogurt Curry)



दही अचारी भिंडी रेसिपी -
Dahi Achari Bhindi
Recipe



Tawa Amritsari
Kulcha Recipe



Rava Rotti Recipe
(Karnataka Style
Semolina Flat
Bread)



रोस्टेड कॉलीफ्लॉवर दिल
सूप रेसिपी - Roasted
Cauliflower Dill
Soup Recipe



Khajur And Pakora
Raita Recipe -
Dates Pakora Raita

SOURCES

[Food Recipes Dataset on Kaggle](#) generated by crawling [archanaskitchen.com](#)

[International Organization for Migration \(IOM\): World Migration Report \(WMR\)](#)

[Religion in India: Tolerance and Segregation Pew Research Center](#)

[The Baffler: India's Beef with Beef - Sharanya Deepak](#)