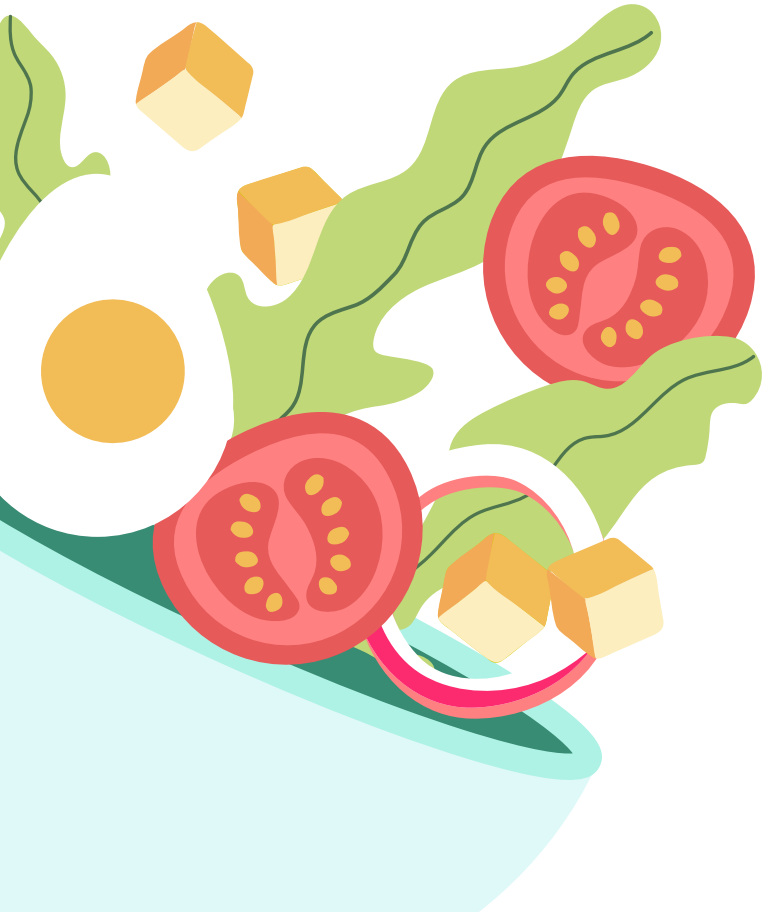

What's *(the impact of)* Gaby Cooking?

An interactive and instructive look into popular recipes from *whatsgabycooking.com*

By Samuel Robbins

Design

This app if for people who...

Love to cook but are very indecisive

Are curious about where their food comes from

Want to know the impact of their cooking choices

Love to click buttons on apps :)

Data Pipeline

spoonacular API

what's Gaby cooking

climatiq

a) Web scrape from whatsgabycooking.com

b) API Calls from:

- Spoonacular – *ingredient information*
- ClimatIQ – *climate impact*

Data Pipeline

- Standardize ingredient lists, time estimates, etc.
- Gather data from API calls into single and grouped data frames

Data Pipeline

- MongoDB/Atlas (and PyMongo) for database management

Data Pipeline

Streamlit

- Deploy interactive recipe dashboard to Streamlit

Data Pipeline

Data Ingestion → Data Processing → Data Storage → Deployment → ***Enjoyment!***

Data Example

From Web Scrape:

{ ‘course’ : <str>,
‘cuisine’ : <str>,
‘ingredients’ : {‘amount’: <str>,
‘name’ : <str>,
‘unit’ : <str>},
‘instructions’ : [<str>,<str>,etc.],
‘time’ : <str>,
‘title’ : <str>,
‘url’ : <str> }

Data Example

From Web Scrape:

{ ‘course’ : <str>,
‘cuisine’ : <str>,
‘ingredients’ : {‘amount’: <str>,
‘name’ : <str>,
‘unit’ : <str>},
‘instructions’ : [<str>,<str>,etc.],
‘time’ : <str>,
‘title’ : <str>,
‘url’ : <str> }

From Spoonacular API:

Input
$ api.parse_ingredients(INGREDIENT)

Output
{ ‘original’ : <INGREDIENT>,
‘estimatedCost’ : {...},
‘aisle’ : <str>,
‘nutrition’ : {...},
...}

Data Example

Source: NYTimes.com

From Web Scrape:

{ ‘course’ : <str>,
‘cuisine’ : <str>,
‘ingredients’ : {‘amount’: <str>,
‘name’ : <str>,
‘unit’ : <str>},
‘instructions’ : [<str>,<str>,etc.],
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$ api.parse_ingredients(INGREDIENT)

Output
{ ‘original’ : <INGREDIENT>,
‘estimatedCost’ : {...},
‘aisle’ : <str>,
‘nutrition’ : {...},
...}

From ClimatIQ API:

Input
{ ‘emission_factor’ : based on AISLE,
‘parameters’ : {‘money’: <ESTIMATEDCOST>,
‘money_unit’ : <str>}
}

Output
{ ‘co2e’ : <float>,
‘co2e_unit’ : <str>,
‘constituent_gases’ : {...},
...}

Data Example

Recipe	Ingredient	Category /Aisle	Nutrient A	Nutrient B	Nutrient etc.	Cost	co2e
<str>	<str>	<str>	<str>	<str>	<str>	<float>	<float>

From Web Scrape:

{ 'course' : <str>,
'cuisine' : <str>,
'ingredients' : {'amount': <str>,
'name' : <str>,
'unit' : <str>},
'instructions' : [<str>,<str>,etc.],
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}

Output
{ 'co2e' : <float>,
'co2e_unit' : <str>,
'constituent_gases' : {...},
...}

Data Example

Add to MongoDB

Recipe	Ingredient	Category /Aisle	Nutrient A	Nutrient B	Nutrient etc.	Cost	co2e
<str>	<str>	<str>	<str>	<str>	<str>	<float>	<float>

Add to MongoDB

From Web Scrape:

{ ‘course’ : <str>,
‘cuisine’ : <str>,
‘ingredients’ : {‘amount’: <str>,
‘name’ : <str>,
‘unit’ : <str>},
‘instructions’ : [<str>,<str>,etc.],
‘time’ : <str>,
‘title’ : <str>,
‘url’ : <str> }

From Spoonacular API:

Input
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From ClimatIQ API:

Input
{ ‘emission_factor’ : based on AISLE,
‘parameters’ : {‘money’: <ESTIMATEDCOST>,
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{ ‘co2e’ : <float>,
‘co2e_unit’ : <str>,
‘constituent_gases’ : {…},
…}

Welcome to the WhatsGabyCooking Interactive Dashboard!

This app is for those who love to cook but can't for the life of them decide what to make. Users will be provided a random recipe - with ingredients and instuctions - in addition to useful graphics on the nutrition breakdown of the recipe and the carbon emissions it takes to produce. With over 1000 unique recipes for the app to choose from, feel free to loop through until you find a recipe you like, with a footprint you can feel good about. Happy Cooking!

Choose a random recipe below:

Hit for Random Recipe

Disclaimer

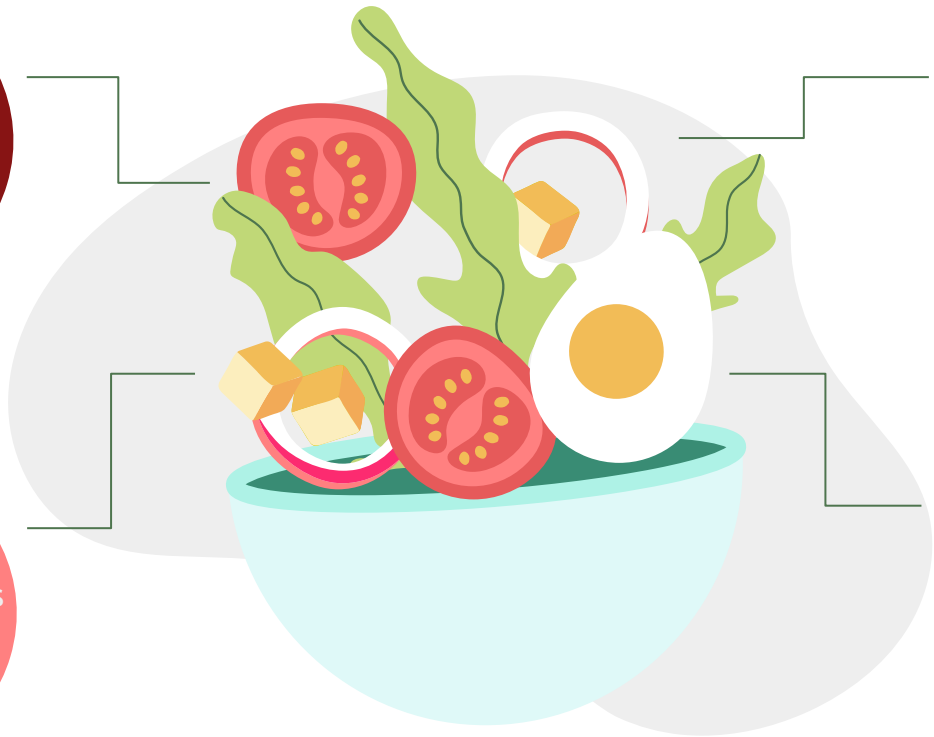
All recipes presented here are the sole IP and trademarks of whatsgabycooking.com

Made with Streamlit

Future Improvements

Add dropdown menus for cuisine, time, course, etc. to narrow recipe suggestions

Add options to choose which nutrients plots you see



Add more recipes from other sources to broaden selection

Add an option for drink pairings

Questions?