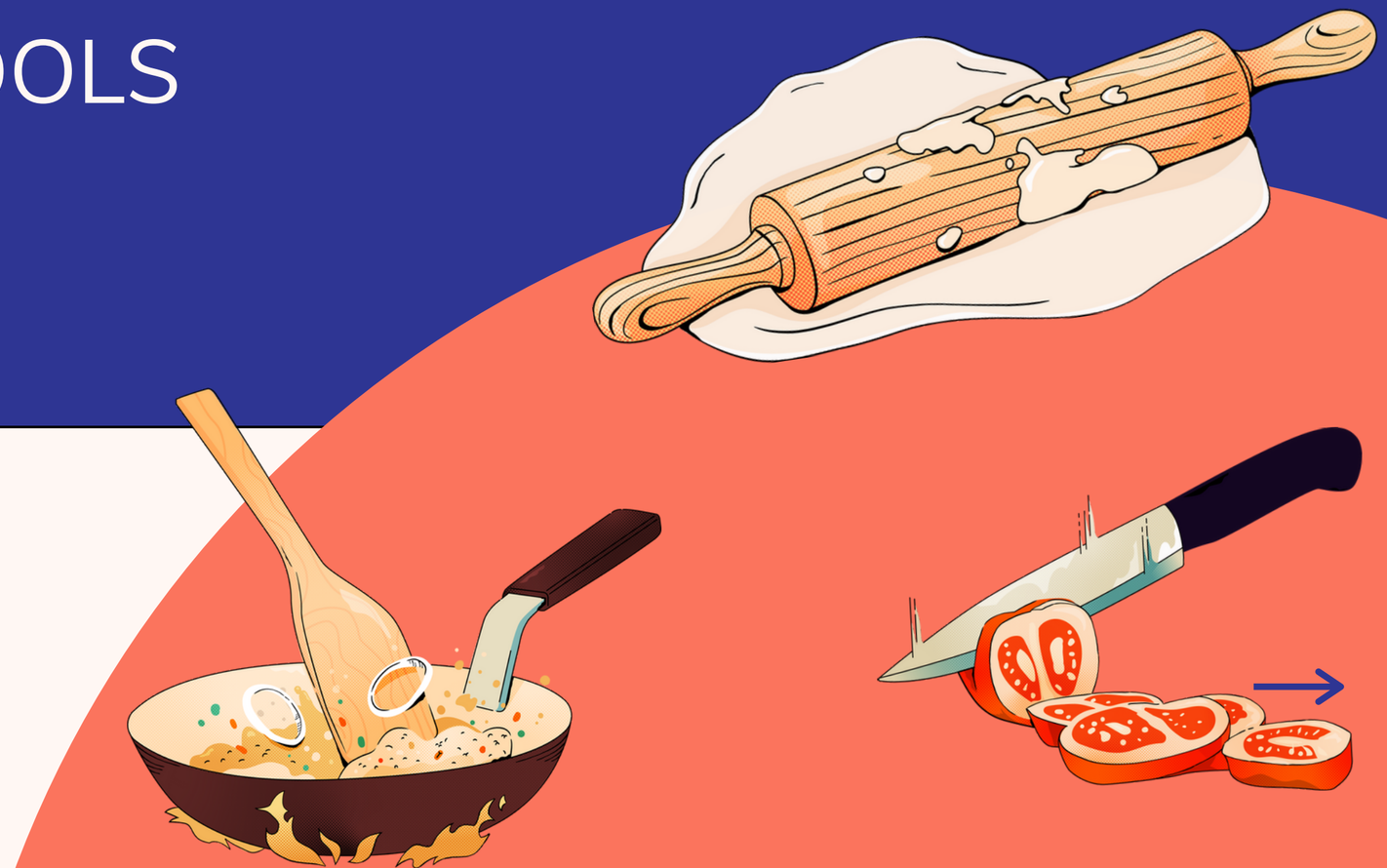
01

GET MY RECIPE !

PROGRAMMING TOOLS IN DATA SCIENCE



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Agenda

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Goal

The goal is to build an algorithm recipe that will suggest a specific recipe based on leftovers. The algortithm will suggest a specific dish or meal based on our ingredient and difficulty of the receipe.

How? We need to implement a function which detects the match from the input of the user to the dataset in order to recommend a recipe which aligns with his preferences.

Explanatory data analysis

Dataset mostly in characters.
Require to use text mining tools to get a proper dataset

We have :

- Add complexity by creating new columns name difficulty
- Analysis of the frequency

Add complexity by creating new columns name difficulty

Goal: User be able to define the complexity of the recipe.

To do so, we define the difficulty as the length of ingredient.

- break down each word by removing all punctuations
- Longer is the list of ingredients, harder is the recipe

Packages

Website

ProjectPkgF 0.1.0 Reference Articles

Search for

final_project

1. Get my Recipe Project !
2. Project Description

The application allows the user to generate a cooking recipe list based on the ingredients and the difficulty chosen. The dashboard shows different widgets:

- SidebarPanel : The user can select options there
- Ingredient list : The user can see his/her options selected
- Table recipe : the final output, the user can see the recipe list

If the user is not satisfied with the output, he/she still has the possibility to reset and start over.

In order to to get this dashboard we used Shiny package for convenient purposes.

We encountered a few limitations :

- the filtering of the recipes in not 100% right
- We wanted to add a button to each row of the DataTable output to let the user click on it and 2 new widgets will show up display the image and the description of the recipe selected.

3. How to Install and Run the Project

License

Full license

MIT + file LICENSE

Citation

Citing ProjectPkgF

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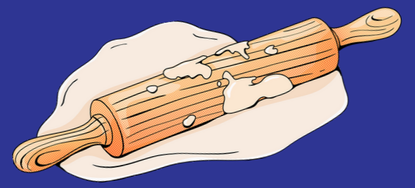
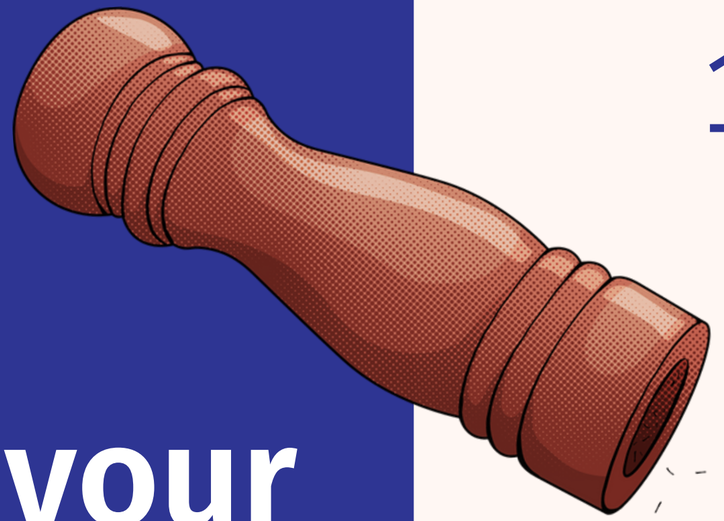
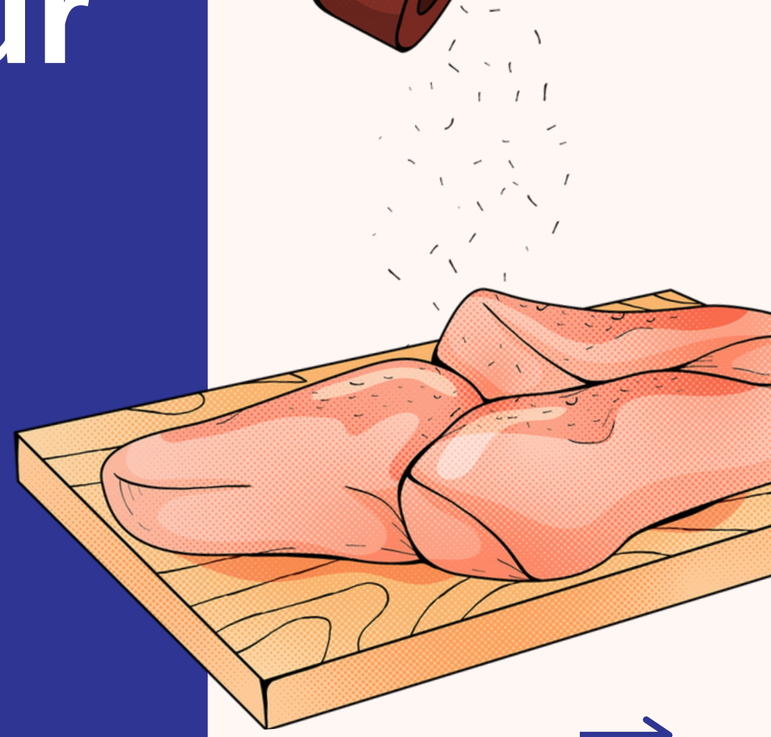


Limitations & Conclusion

Function limitation	Shiny Limitations
The filtering of the recipes is approximative	Add button by row with the ability to have the widget popping-up

Thank you for your attention !

Do not hesitate if you have any question.