

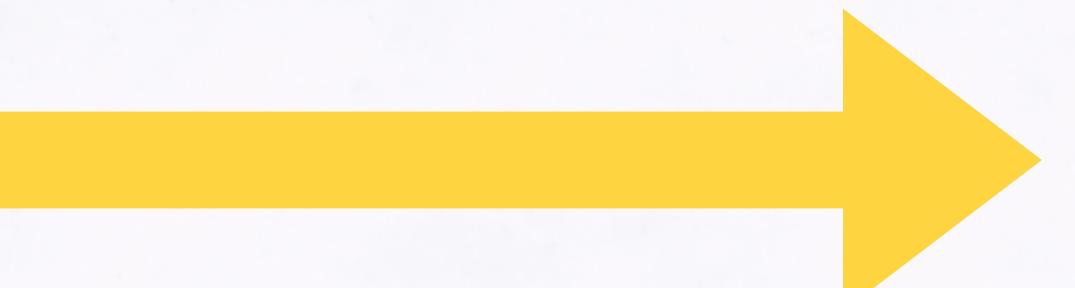
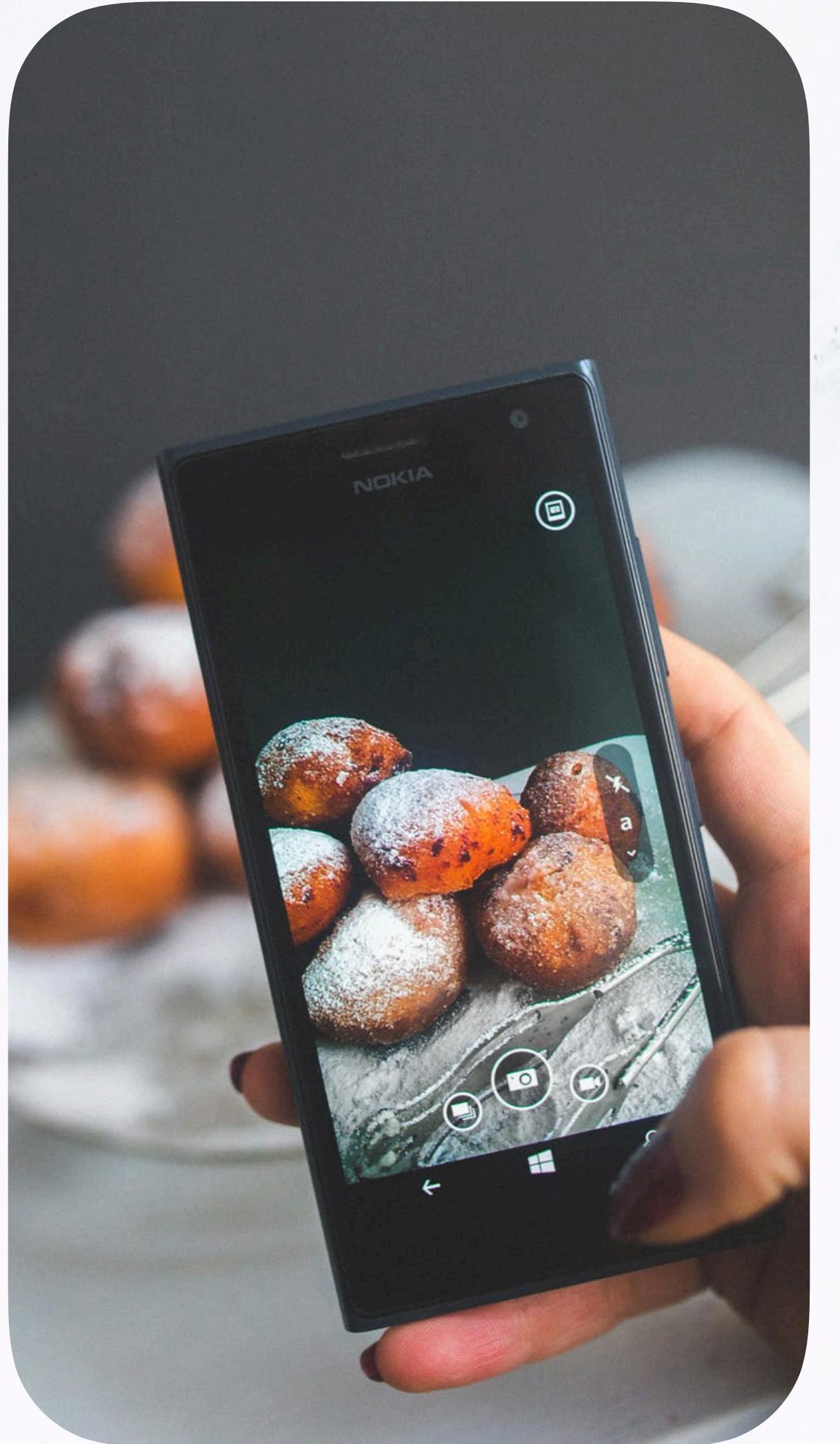
PIC-A-RECIPE

PICTURE-BASED RECIPE RECOMMENDER

Flora Xinru Cheng



MOTIVATION



METHODOLOGY

Data

- Recipes with images scraped from bbc.co.uk and allrecipes.com
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METHODOLOGY

Dots

- Recipes with images scraped from bbc.co.uk and allrecipes.com



Flask



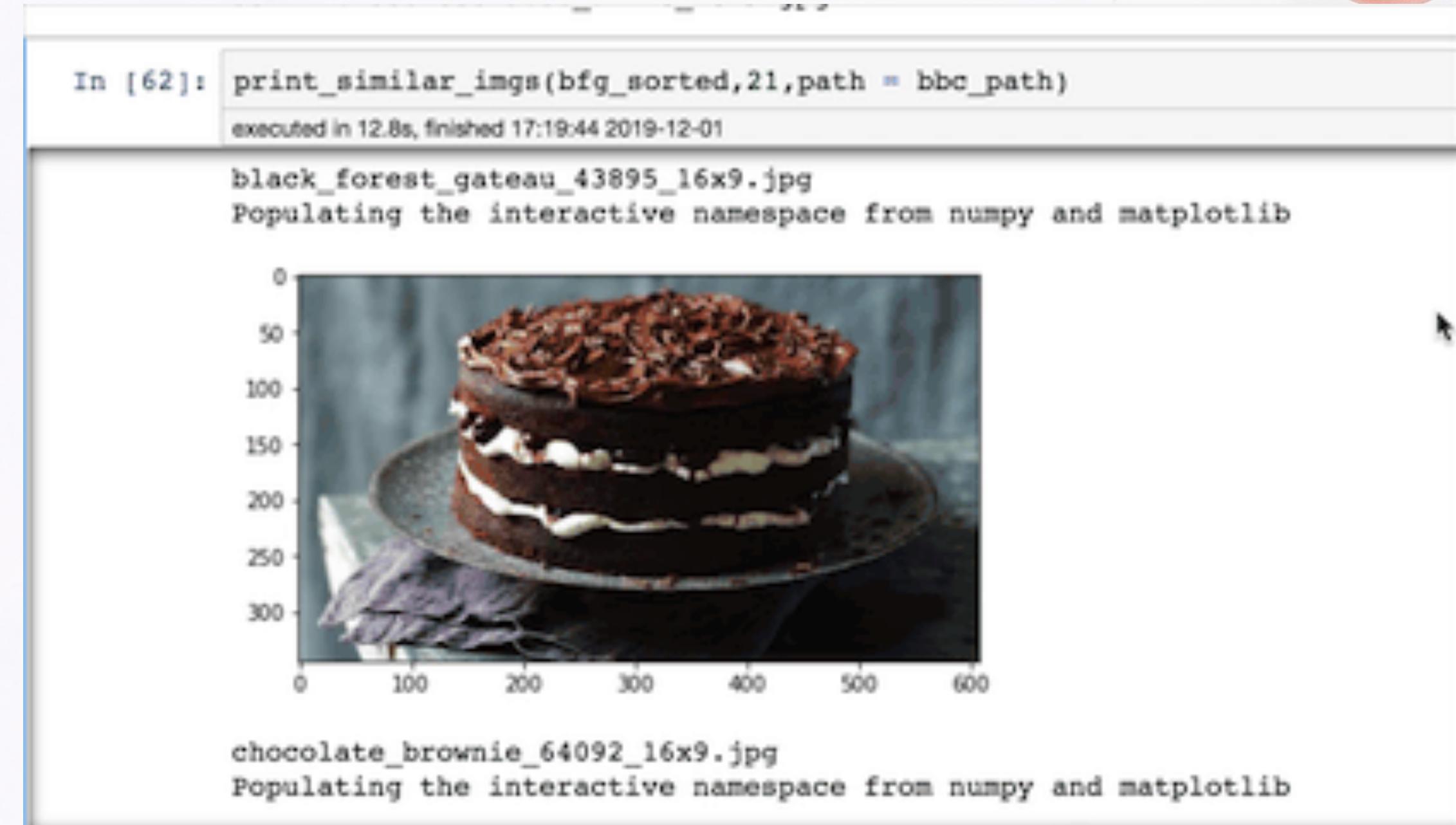
User input

Feature Extraction

Recommendation



RESULTS



`chocolate_brownie_64092_16x9.jpg`
Populating the interactive namespace from numpy and matplotlib

CONCLUSION & FUTURE WORK

Conclusion

- Image similarity using features from CNN model (VGG16) gives good results for certain recipe types

Future Work

- Mobile-friendly Flask app
- Clustering of recipes in topic space



THANK YOU!

Stop by for a Flask app demo!

Come talk to me anytime about NLP and food!

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