

# Menu Helper



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# T's the season to be jolly...



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## A Splendid Table

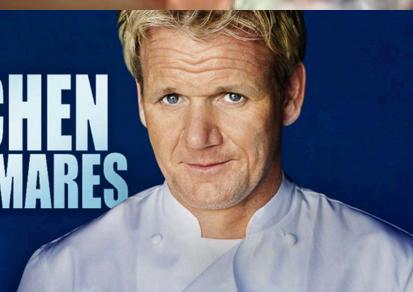


- ❖ Scallop & apple salad with hazelnut dressing
- ❖ Goat's cheese, pear & candied pecan salad
- ❖ Beetroot & squash Wellingtons with kale pesto
- ❖ Chestnut & wild mushroom stuffed three-bird roast
- ❖ Dark chocolate, coconut & passion fruit mousse cake

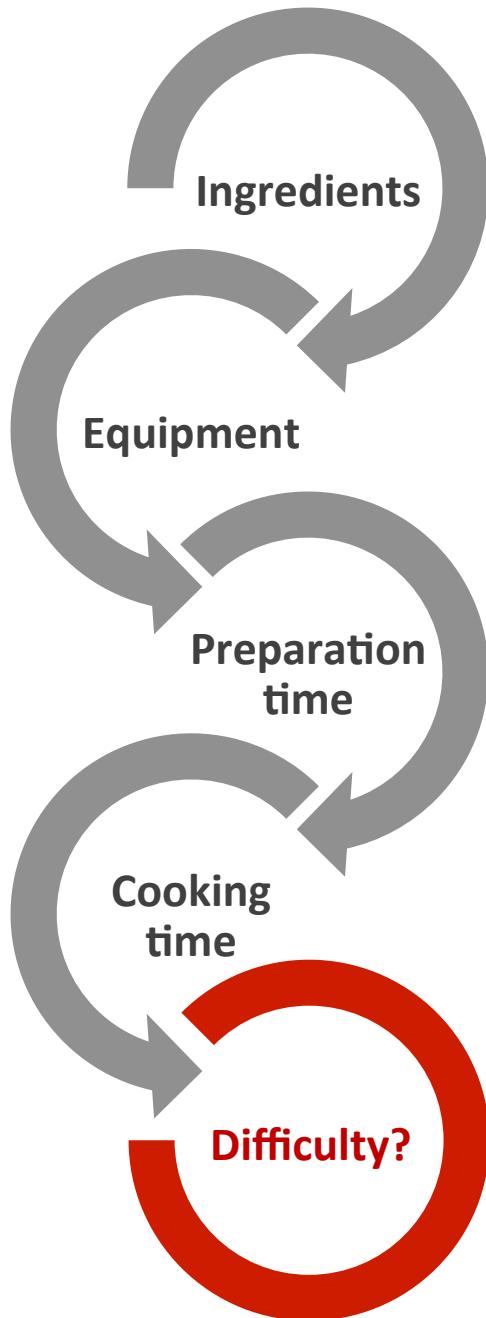




# KITCHEN NIGHTMARES



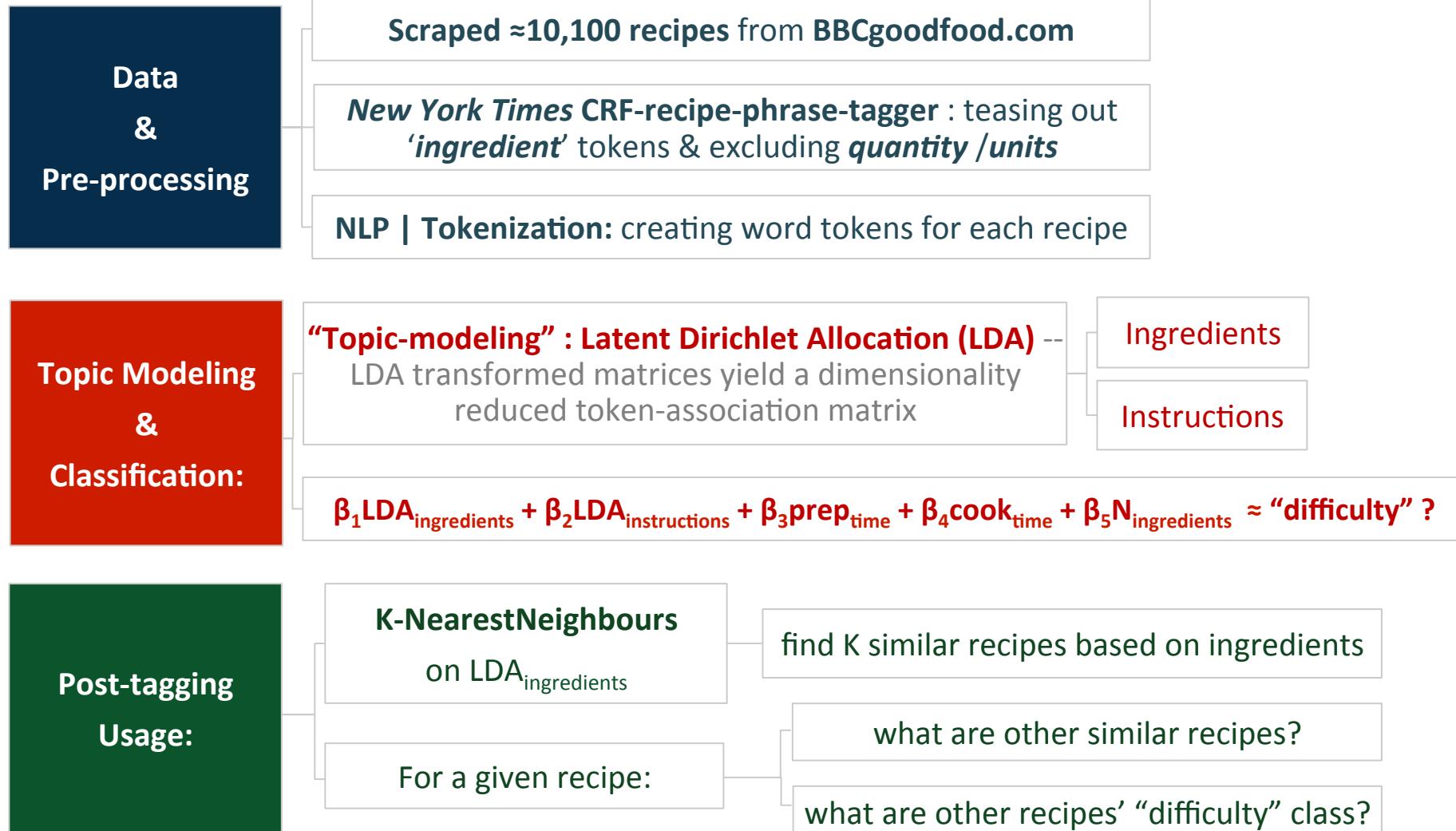
# Not all recipes are created equal



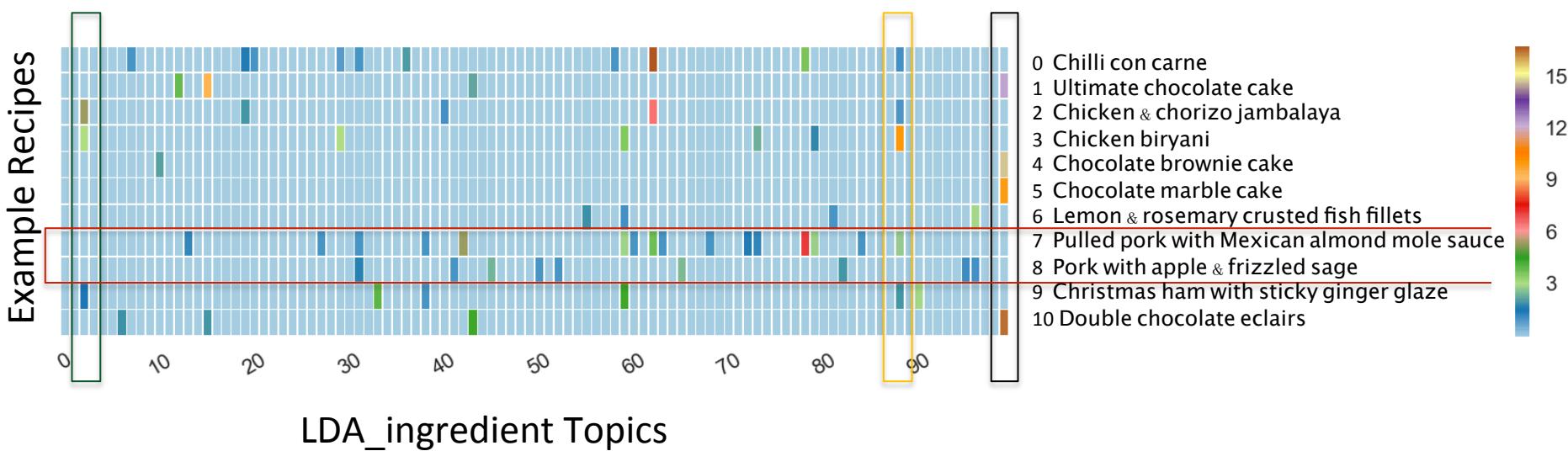
- How can we simplify planning & cooking?
- What aspects of a recipe make it challenging?
- **Can we classify recipes by their “difficulty”?**

\*\*very few sites/books include this info.!

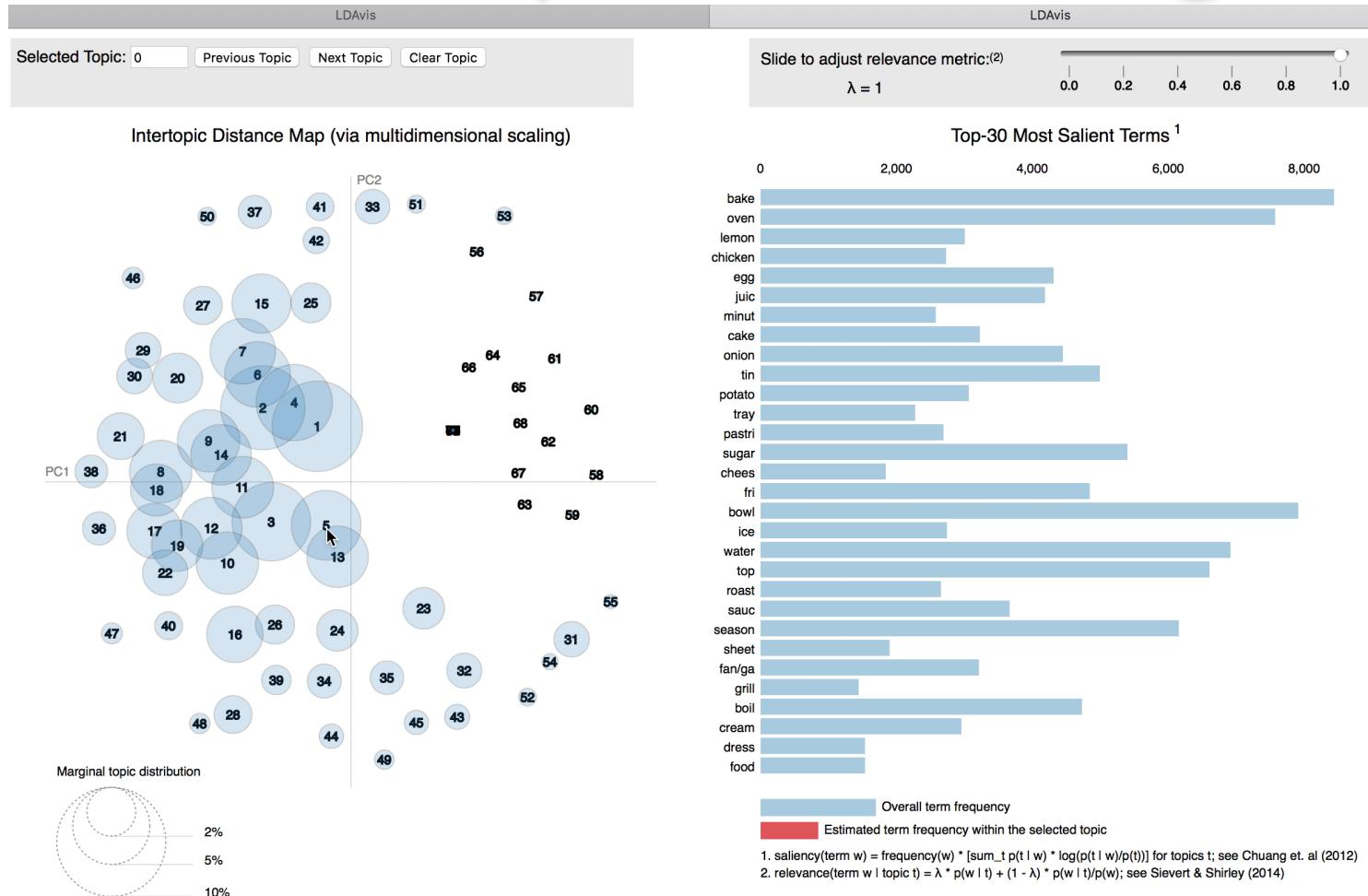
# Steps to creating a recipe-difficulty-tagger



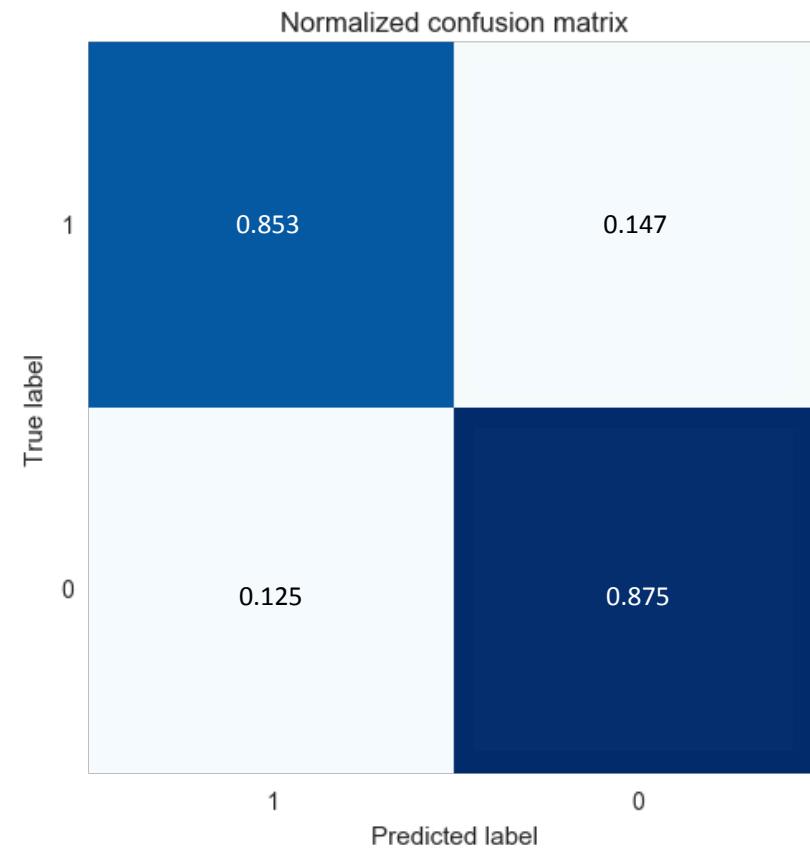
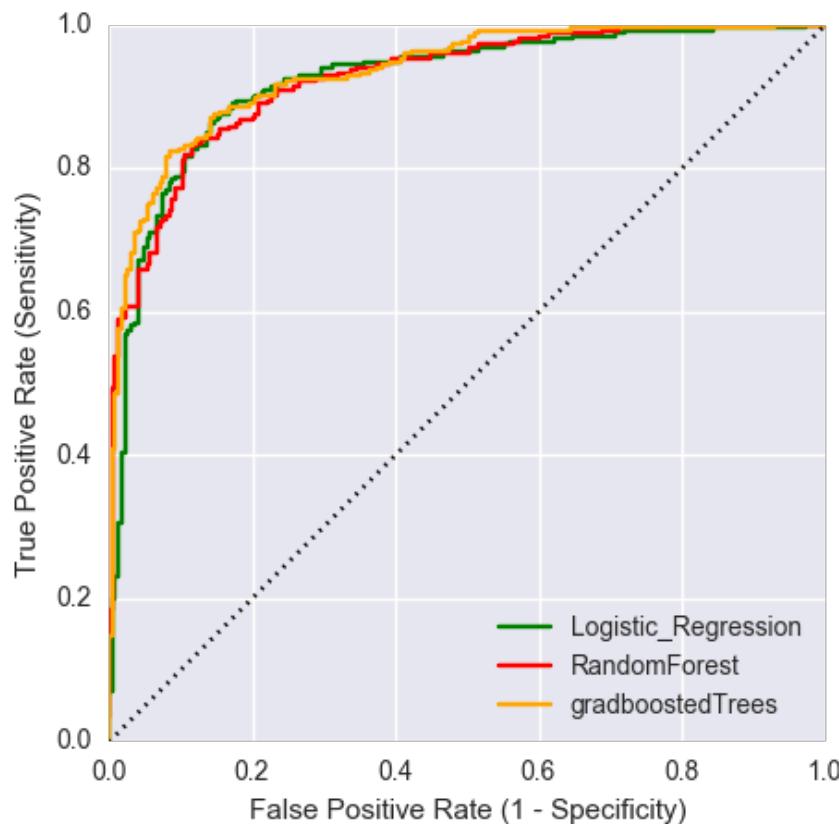
# LDA topic-modeling



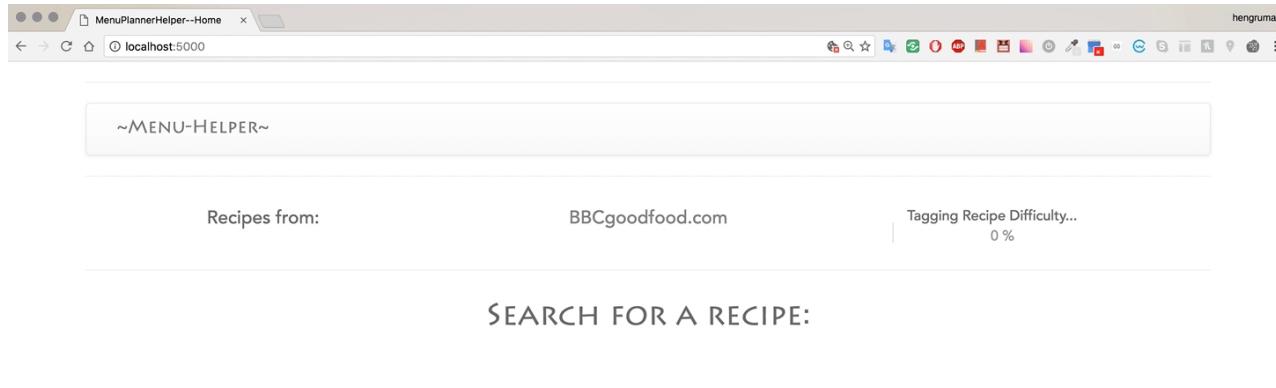
# LDA topic-modeling



# Classification outcomes on hold-out data:



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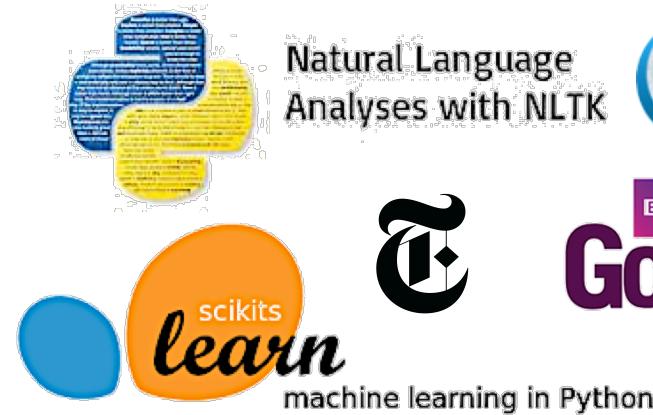


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# Conclusion / Extensions

- Tag other recipe sites and test recipe similarity suggestions
- Collect users' feedback to assess and update model
- Personalized 'learning' tool: tailoring your cooking adventure
  - where the model could be adapted with user's experience

*With thanks to:*



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