

# All the recipes: Scraping the top 20 recipes of Allrecipes for the last 20 years

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Scraping project

# Introduction

- Allrecipes is the most popular recipe website (eBzMBA)
- Website has been around since 1997 (ancient)
- Is not known for ‘foodie’ recipes but for go to for the average American.
- Every year, allrecipes releases the top 20 recipes of the year.
- Motivation: Use the top 20 list as representation of food trends, and gain insights.

# Hall of fame recipes

allrecipes.com/recipes/14452/everyday-cooking/special-collections/hall-of-fame/ pd.to\_csv

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Home > Recipes > Everyday Cooking > Special Collections > Hall of Fame >

## Hall of Fame Recipes

These Hall of Fame recipes have earned five-star ratings, hundreds of rave reviews from home cooks, and a lasting place on the Allrecipes Top 20 list of favorites.

Subcategories



Hall of Fame  
1997



Hall of Fame  
1998



Hall of Fame  
1999



Hall of Fame  
2000



Hall of Fame  
2001



Hall of Fame  
2002



Hall of Fame  
2003



Hall of Fam  
2004

Recipes

Sort by: Popular ▾

# Hall of fame 1997

Home > Recipes > Everyday Cooking > Special Collections > Hall of Fame > Hall of Fame 1997 >

Recipes

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Recipe of the Day

Chocolate and Almond Biscotti

★★★★★ 51

Lots of chocolate chips make this biscotti irresistible.

Recipe by C. Anderson



Allrecipes Magazine

Handpicked recipes, party ideas, how-to articles and cooking tips—with gorgeous, full-page photos to inspire you. Get a full year for \$7.99.

 Posted by Allrecipes  
2m 921 60

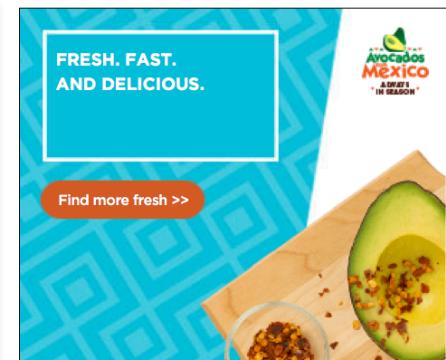


Easy Sugar Cookies 

★★★★★ 5K

Quick and easy sugar cookies! Terrific plain or with candies in them. This recipe uses basic ingredients you probably already have.

Recipe by Stephanie



ADVERTISEMENT



Chewy Chocolate Cookies I

```
urls = html_list.find_elements(By.CLASS_NAME, "favorite")
for i, e in enumerate(urls):
    id.append(e.get_attribute('data-id'))
    urls[i] = 'https://allrecipes.com/recipe/' + str(id[i])
```

## Outrageous Chocolate Chip Cookies



450 made it | 1699 reviews

Recipe by: Joan

"A great combination of chocolate chips, oatmeal, and peanut butter."



294



Save



I Made It



Rate it



Share



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### Ingredients

+ 1/2 cup butter

+ 1 cup all-purpose flour

+ 1/2 cup white sugar

+ 1 teaspoon baking soda

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+ 1/3 cup packed brown sugar

+ 1/4 teaspoon salt

+ 1/2 cup peanut butter

+ 1/2 cup rolled oats

+ 1 cup semisweet chocolate chips

+ Add all ingredients to list

25 m 18 servings

207 cals

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### Directions



Prep  
15 m

Cook  
10 m

Ready In  
25 m

Print Watch

### You might also like



Triple Chocolate Chip Cookies

# Scraped using Python (Selenium), cleaned data through iPython and stored in MongoDB

## Recipes

cal_count	cook_time	made_it_count	prep_time	recipe_title	review_count	star_rating	total_time	year
294	12	2	15	allison's supreme chocolate chip cookies	43	4.634615	40	1997
111	10	1	20	belgian christmas cookies	20	3.833333	30	1997
294	12	2	15	allison's supreme chocolate chip cookies	43	4.634615	40	1997
111	10	1	20	belgian christmas cookies	20	3.833333	30	1997
207	10	449	15	outrageous chocolate chip cookies	1699	4.685714	25	1997
89	15	34	15	apricot cream cheese thumbprints	218	4.437008	150	1997

## Ingredients

idnumber	X_id	ingredient	year
10032	5740cf35f0f8937b9e5f2eb2	1/2 cup shortening	1997
10032	5740cf35f0f8937b9e5f2eb3	1/2 cup butter, softened	1997
10032	5740cf35f0f8937b9e5f2eb4	3/4 cup packed brown sugar	1997
10032	5740cf35f0f8937b9e5f2eb5	3/4 cup white sugar	1997
10032	5740cf35f0f8937b9e5f2eb6	2 eaas	1997

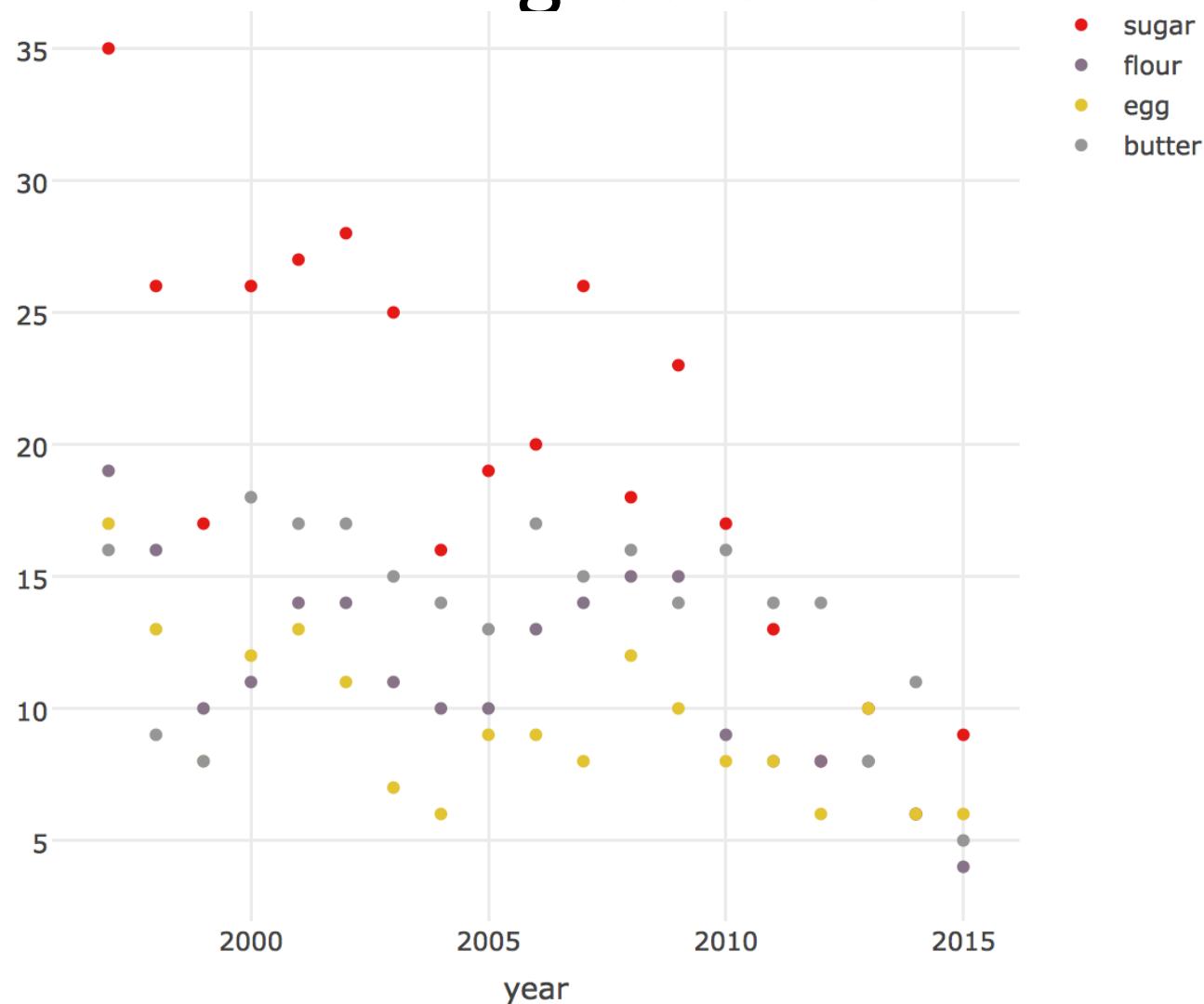
# Word clouds

# Recipes

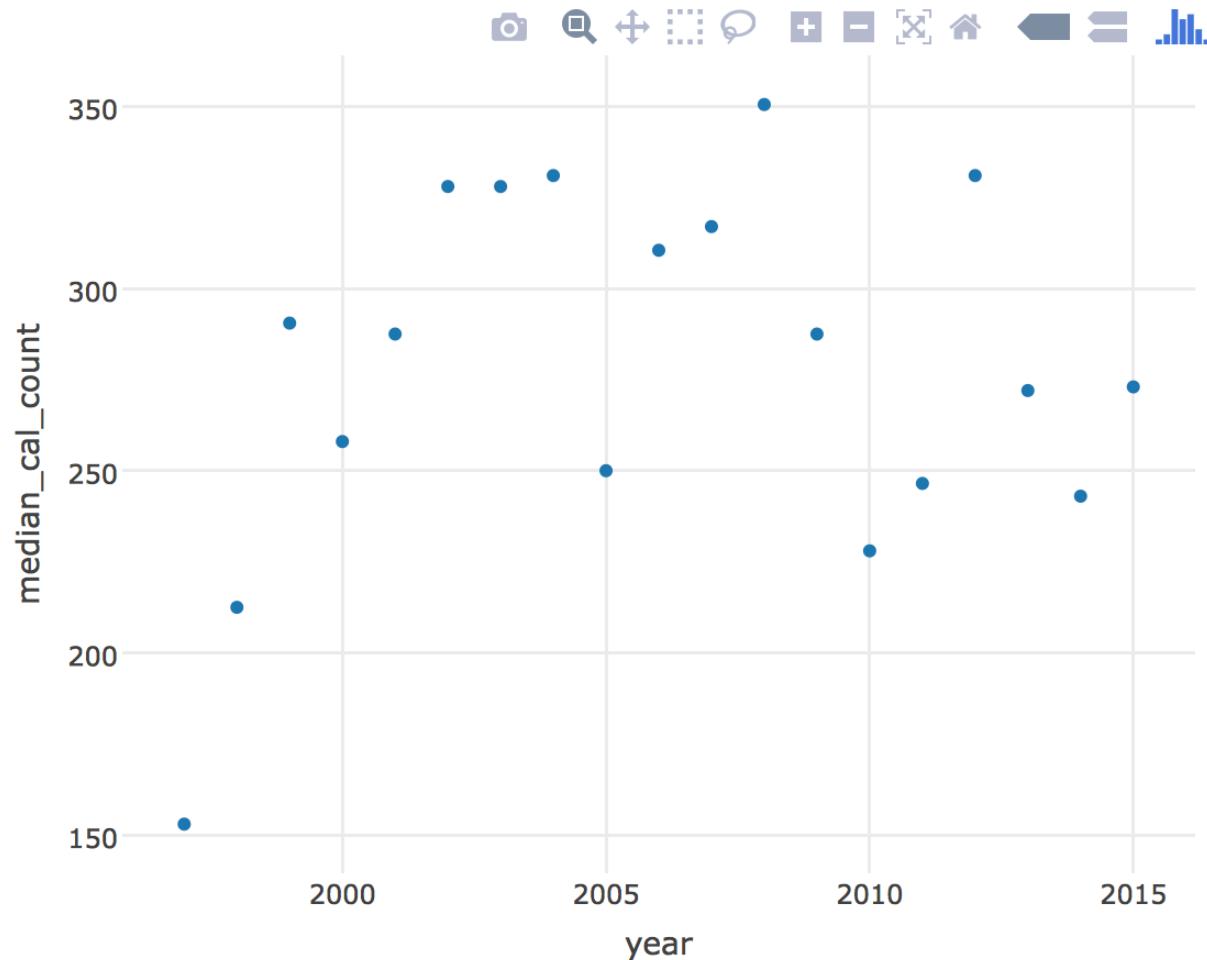
# Ingredients

core parmesan  
breast piec option whole  
vinegar bread grate Cinnamon  
shred cut onion extract  
beef soda flavor  
paprika slice egg flour butter  
ginger powder larg ground  
basil brown ounc  
juic minc white sugar oil red  
garlic salt tast chip  
crush chocol chop oat fine  
chocol cook dri cream halv  
allpurpos sour black  
season seed mix  
soften lemon drain  
packag pound  
dice oliv cube  
teaspoon  
cup  
tablespoon

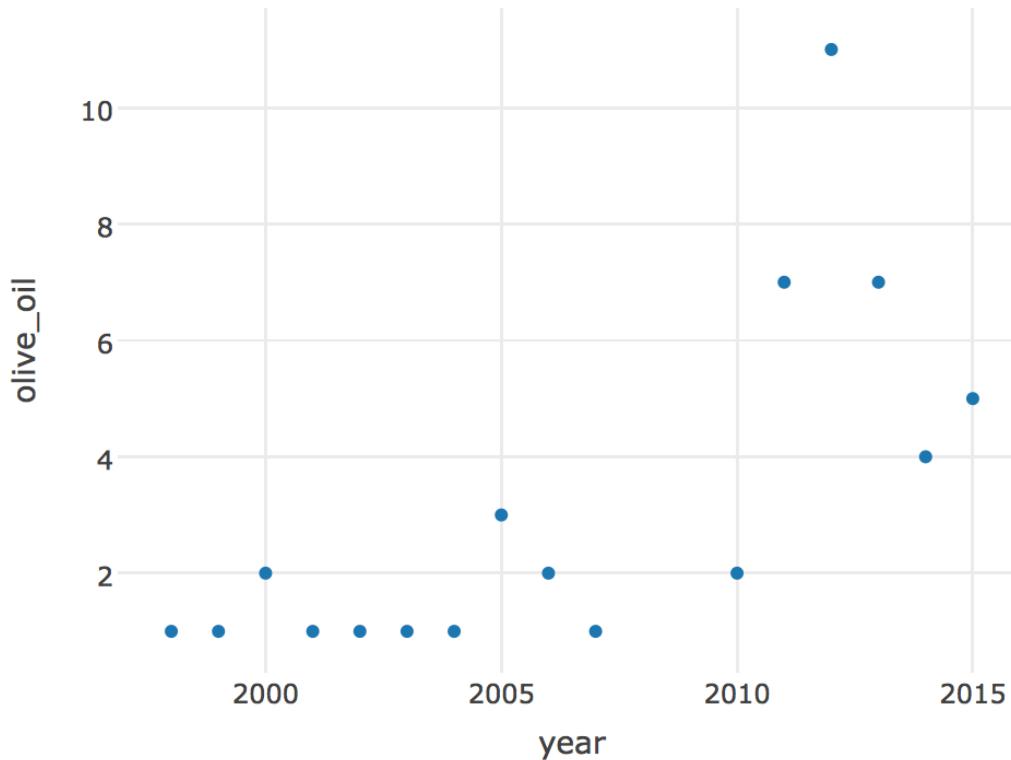
# Declining frequency of baked goods ingredients



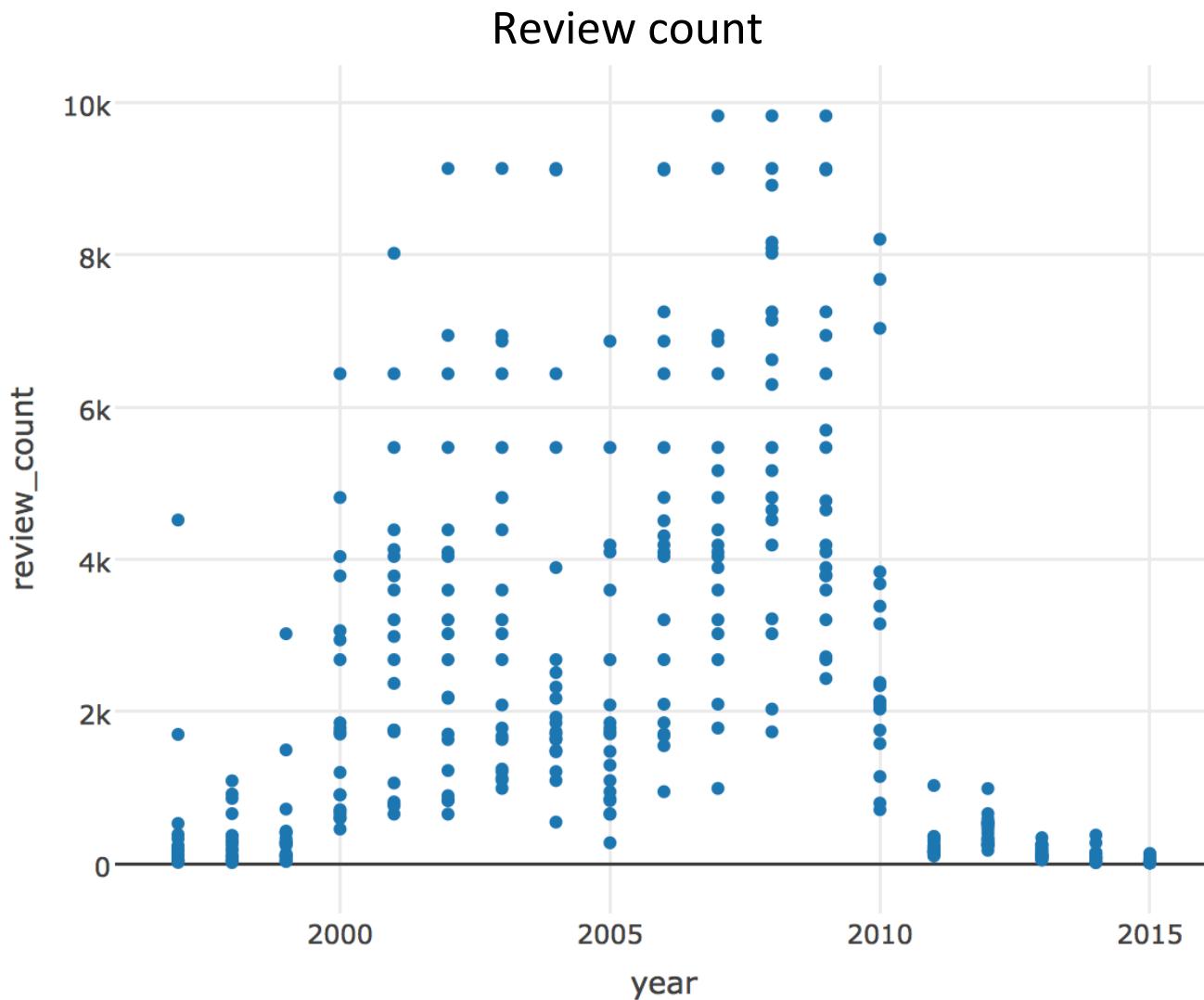
# Median calories per serving



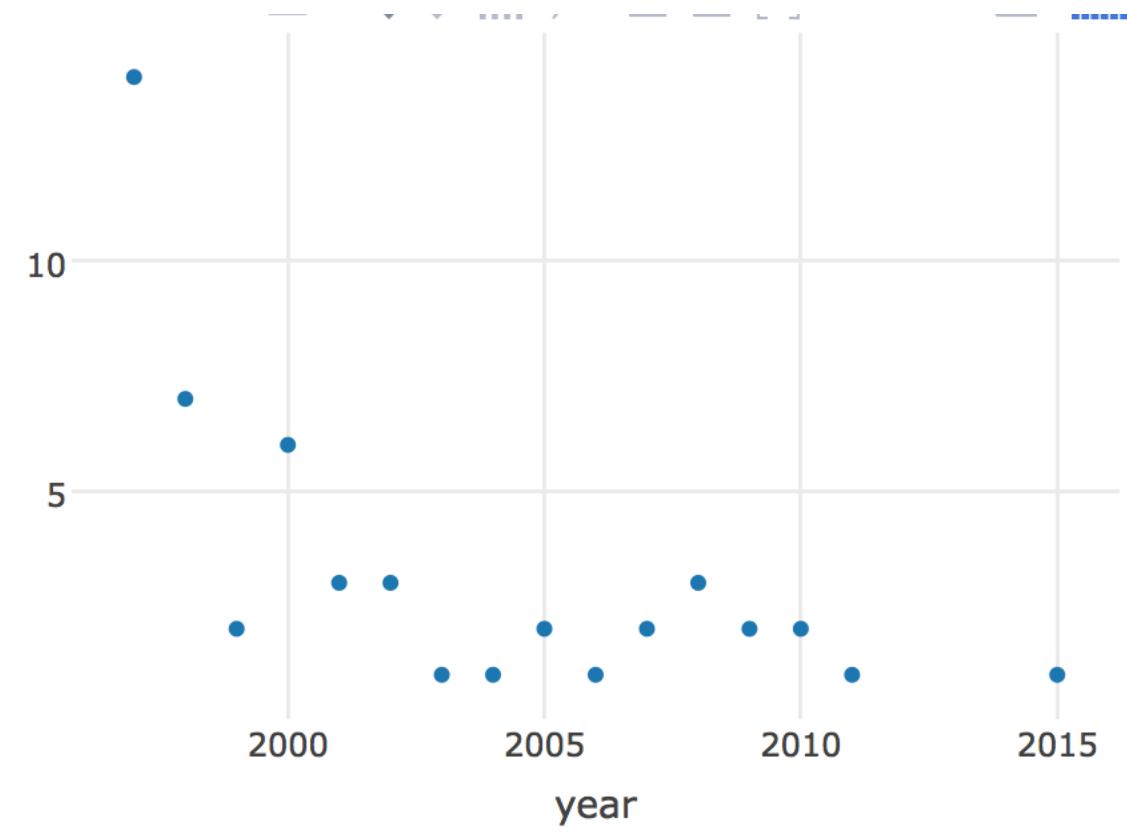
# Increase of olive oil ingredient frequency



# The need for allrecipes to innovate



# The cookie trail



- In 1997, cookie exchanges were very popular, however, further research indicates that allrecipes started as Cookiereceipt.com. All 20 recipes in 1997 were cookie related....the need for domain knowledge!

# Conclusions

- Scraping was successful.
- The trends I was hoping to find were not necessarily present in the top 20 list.
- Determined trends in popular recipes and ingredients in popular recipes.

# Most popular recipes

- ‘Clone of cinnabon’ from years 2001-2009
- ‘Jamie's cranberry spinach salad’ years 2000-2009
- Dark ages of cooking...