

# EXPLORING THE POPULARITY OF WORLD CUISINES

What are the most popular cuisines in the United States?

Is the “trendiness” of a cuisine reflected in the library activity of related media?

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MAT 259, Winter 2019

# WHAT ARE THE MOST POPULAR CUISINES?

According to this article, the most popular cuisines are:

**MAGAZINE**  
Top 10 Ethnic Cuisines  
Americans Crave Most

MAY 15, 2015 – 5:00 AM – 0 COMMENTS

Parade By PARADE @parademagazine

CHINESE



MEXICAN



ITALIAN



JAPANESE



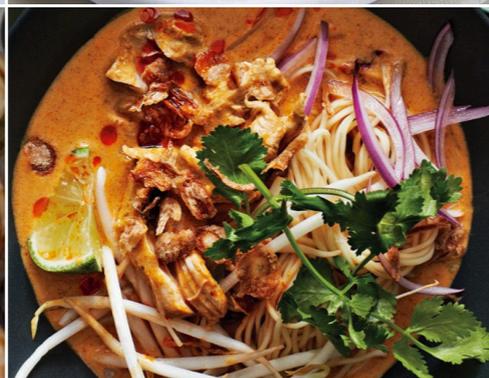
GREEK



FRENCH



THAI



SPANISH



INDIAN



MEDITER-  
-RANEAN



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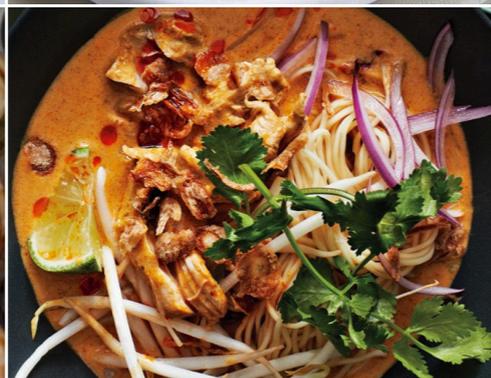
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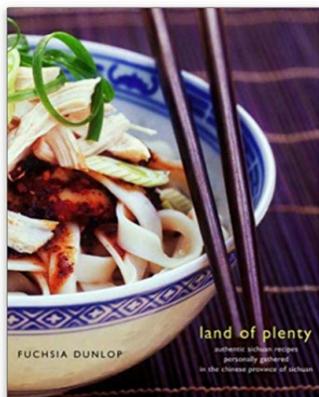
# CHINESE CUISINE

Query from spl\_2016.inraw for all check-ins of books from Dewey class **641** (Food & Drink) for media with titles containing keywords **China** or **Chinese**:

```
SELECT
  bibNumber,
  itemType,
  title,
  deweyClass,
  COUNT(bibNumber) AS Counts
FROM
  spl_2016.inraw
WHERE
  (title LIKE '%China%'
   OR title LIKE '%Chinese%')
  AND deweyClass >= 641
  AND deweyClass < 642
GROUP BY bibNumber , itemType , title , deweyClass
ORDER BY Counts DESC
```

bibNumber	itemType	title	deweyClass	Counts
▶ 2471718	acb	fortune cookie chronicles adventures in the world of Chinese food	641.5951	1215
2484825	acb	Sharks fin and Sichuan pepper a sweet sour memoir of eating in China	641.5951	754
2496886	acb	Beyond the Great Wall recipes and travels in the other China	641.59515	631
2251642	acb	breath of a wok unlocking the spirit of Chinese wok cooking through recipes and lore	641.5951	531
2873927	acb	Every grain of rice simple Chinese home cooking	641.5951	462
2404712	acb	Revolutionary Chinese cookbook recipes from Hunan Province	641.59512	428
2393136	acb	Simple Chinese cooking	641.5951	395
2873956	acb	China study cookbook over 120 whole food plant based recipes	641.5636	376
2512963	jcdvd	Cooking with kids exploring Chinese food culture and language	641.5951	374
2611360	acb	Mastering the art of Chinese cooking	641.5951	313
2741280	acb	Easy Chinese recipes family favorites from dim sum to kung pao	641.5951	272
2499486	acb	Martin Yans China	641.5951	267
2851835	acb	Chinese takeout cookbook quick and easy dishes to prepare at home	641.5951	242
2513370	acb	500 Chinese recipes fabulous dishes from China and classic influential recipes from the...	641.5951	234
3281793	acb	Chinese soul food a friendly guide for homemade dumplings stir fries soups and more	641.5951	229
2482841	acb	Serve the people a stir fried journey through China	641.5951	229
2104565	acb	Dim sum the art of Chinese tea lunch	641.5951	212

One limitation in this search can arise from media with less descriptive titles or that which focuses on regional cuisines.



## Land of Plenty: A Treasury of Authentic Sichuan Cooking

Hardcover – June, 2003

by Fuchsia Dunlop (Author)

★★★★☆ 130 customer reviews

> See all formats and editions

**Hardcover**  
**\$28.97**

36 Used from \$18.75  
15 New from \$20.90

bibNumber	itemType	title	deweyClass	Counts
▶ 2172588	acb	Land of plenty a treasury of authentic Sichuan cooking	641.5951	564

# CHINESE CUISINE

Previous query returned 172 rows, however searching for unique items by bibNumber gives a slightly different result:

```
SELECT
  COUNT(DISTINCT bibNumber)
FROM
  spl_2016.inraw
WHERE
  (title LIKE '%China%'
   OR title LIKE '%Chinese%')
  AND deweyClass >= 641
  AND deweyClass < 642
```

COUNT(DISTINCT bibNumb...
▶ 169

This is evidently due to some items being classified with different item types, or Dewey numbers:

100700	arbk	Traditional Chinese northern and western cuisine	641.59	1
100700	acbkc	Traditional Chinese northern and western cuisine	641.59	1

To get the total number of check-ins, I replace DISTINCT bibNumber with simply bibNumber:

```
SELECT
  COUNT(bibNumber)
FROM
  spl_2016.inraw
WHERE
  (title LIKE '%China%'
   OR title LIKE '%Chinese%')
  AND deweyClass >= 641
  AND deweyClass < 642
```

COUNT(bibNumb...
▶ 15953

# MEXICAN CUISINE

Mexican food appears to be slightly less popular than Chinese food.

Another limitation: the sixth result is not a book strictly about Mexican food.

```
SELECT
  bibNumber,
  itemType,
  title,
  deweyClass,
  COUNT(bibNumber) AS Counts
FROM
  spl_2016.inraw
WHERE
  (title LIKE '%Mexic%')
  AND deweyClass >= 641
  AND deweyClass < 642
GROUP BY bibNumber , itemType , title , deweyClass
ORDER BY Counts DESC
```

bibNumber	itemType	title	deweyClass	Counts
▶ 2317755	acb	Mexican everyday	641.5972	1137
1978482	acb	Rick Bayless Mexico one plate at a time	641.5972	552
2580585	acb	Authentic Mexican regional cooking from the heart of Mexico	641.5972	476
2507415	acb	art of Mexican cooking traditional Mexican cooking for aficionados	641.5972	448
1695170	acb	Rick Bayless Mexican kitchen capturing the vibrant flavors of a world class cuisine	641.5972	434
2638548	acb	gloriously gluten free cookbook spicing up life with Italian Asian and Mexican recipes	641.5638	414
2197235	acb	From my Mexican kitchen techniques and ingredients	641.5972	383
2701952	acb	Paletas authentic recipes for Mexican ice pops shaved ice aguas frescas	641.86	292
1973156	acb	essential cuisines of Mexico	641.5972	291
2831580	acb	Mexican slow cooker recipes for mole enchiladas carnitas chile verde pork and more fav...	641.5884	269
2665434	acb	My sweet Mexico recipes for authentic pastries breads candies beverages and frozen tr...	641.5972	258
2161519	jcb	Cooking the Mexican way	641.5972	239
2582411	acb	Fresh Mexico 100 simple recipes for true Mexican flavor	641.5972	234
2876130	acb	Patis Mexican table the secrets of real Mexican home cooking	641.5972	228
1826335	acb	food and life of Oaxaca Mexico traditional recipes from Mexicos heart	641.5972	228
2556279	acb	Simply Mexican	641.5972	226

Again, a discrepancy between the number of rows returned and the number of distinct items:

```
SELECT
  COUNT(DISTINCT bibNumber)
FROM
  spl_2016.inraw
WHERE
  (title LIKE '%Mexic%')
  AND deweyClass >= 641
  AND deweyClass < 642
```

Response

160 row(s) returned

COUNT(DISTINCT bibNumb...

▶ 151

# MEXICAN CUISINE

There are about 2600 fewer check-ins total for Mexican food than for Chinese food.

```
SELECT
  COUNT(bibNumber)
FROM
  spl_2016.inraw
WHERE
  (title LIKE '%Mexic%')
  AND deweyClass >= 641
  AND deweyClass < 642
```

COUNT(bibNumb...
13226

# ITALIAN CUISINE

For the previous two cuisines, the most popular book had almost twice as many check-ins as the second most popular book. However, here we see that the top two books have somewhat similar numbers of check-ins.

```
SELECT
  bibNumber,
  itemType,
  title,
  deweyClass,
  COUNT(bibNumber) AS Counts
FROM
  spl_2016.inraw
WHERE
  (title LIKE '%Italy%'
   OR title LIKE '%Itali%')
  AND deweyClass >= 641
  AND deweyClass < 642
GROUP BY bibNumber , itemType , title , deweyClass
ORDER BY Counts DESC
```

bibNumber	itemType	title	deweyClass	Counts
▶ 2282422	acbk	Everyday Italian 125 simple and delicious recipes	641.5945	1026
2387962	acbk	Jamies Italy	641.5945	940
2296732	acbk	Molto Italiano 327 simple italian recipes to cook at home	641.5945	681
2676546	acbk	Ethan Stowells new Italian kitchen bold cooking from Seattles Anchovies Olives how to...	641.5945	659
1278590	acbk	Essentials of classic Italian cooking	641.5945	612
2647018	acbk	Molto gusto easy Italian cooking at home	641.5945	588
2521263	acbk	Giadas kitchen new Italian favorites	641.5945	576
2620863	acbk	Italian slow cooker	641.5884	560
1279355	acbk	splendid table recipes from Emilia Romagna the heartland of northern Italian food	641.59454	461
2413937	acbk	Lidias Italy	641.5945	459
2632575	acbk	Giada at home family recipes from Italy and California	641.5945	429
2638548	acbk	gloriously gluten free cookbook spicing up life with Italian Asian and Mexican recipes	641.5638	414
2530506	acbk	Urban Italian simple recipes and true stories from a life in food	641.5	402
2590492	acbk	Lidia cooks from the heart of Italy	641.5945	399
1839757	acbk	Mario Batali simple Italian food recipes from my two villages	641.5945	385

Compared to Chinese & Mexican, there are more than double the number of distinct bibNumbers!

```
SELECT
  COUNT(DISTINCT bibNumber)
FROM
  spl_2016.inraw
WHERE
  (title LIKE '%Italy%'
   OR title LIKE '%Itali%')
  AND deweyClass >= 641
  AND deweyClass < 642
```

COUNT(DISTINCT bibNumb...
▶ 423

# ITALIAN CUISINE

Overall, this doesn't surprise me too much — Italian food is extremely popular and deeply entrenched in American culture.

The food media that arose from these queries consist mostly of cookbooks and DVDs of cooking shows, which likely appeal to home cooks.

Many Italian dishes can be simple to make, and the ingredients readily available, so they're commonly cooked at home; hence, I would expect there to be a wide variety of media about Italian food.

There are also more than double the number of overall check-ins:

```
SELECT
  COUNT(bibNumber)
FROM
  spl_2016.inraw
WHERE
  (title LIKE '%Italy%'
   OR title LIKE '%Itali%')
  AND deweyClass >= 641
  AND deweyClass < 642
```

COUNT(bibNumb...
34182

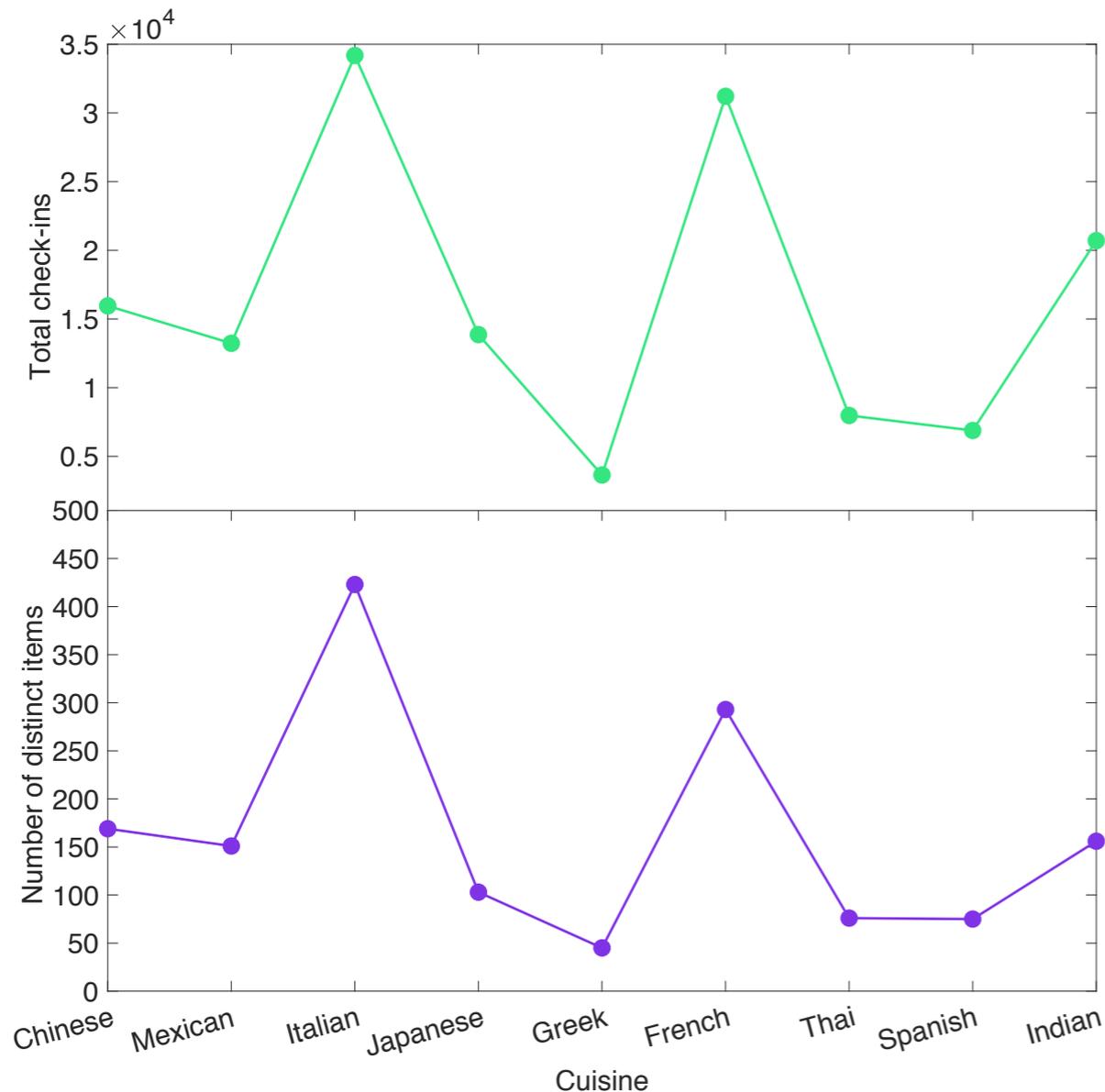
Moreover, I believe the article I'm drawing from got its data from a survey of restaurant visits, rather than home cooks.

This may indicate that people like eating at Chinese and Mexican restaurants more than Italian restaurants, but don't cook Chinese and Mexican food at home as often as Italian food.

# WORLD CUISINES

In the interest of time, I've summarized my queries for the 9 top cuisines into several plots.

The number of distinct items is very well-correlated with the number of total check-ins.



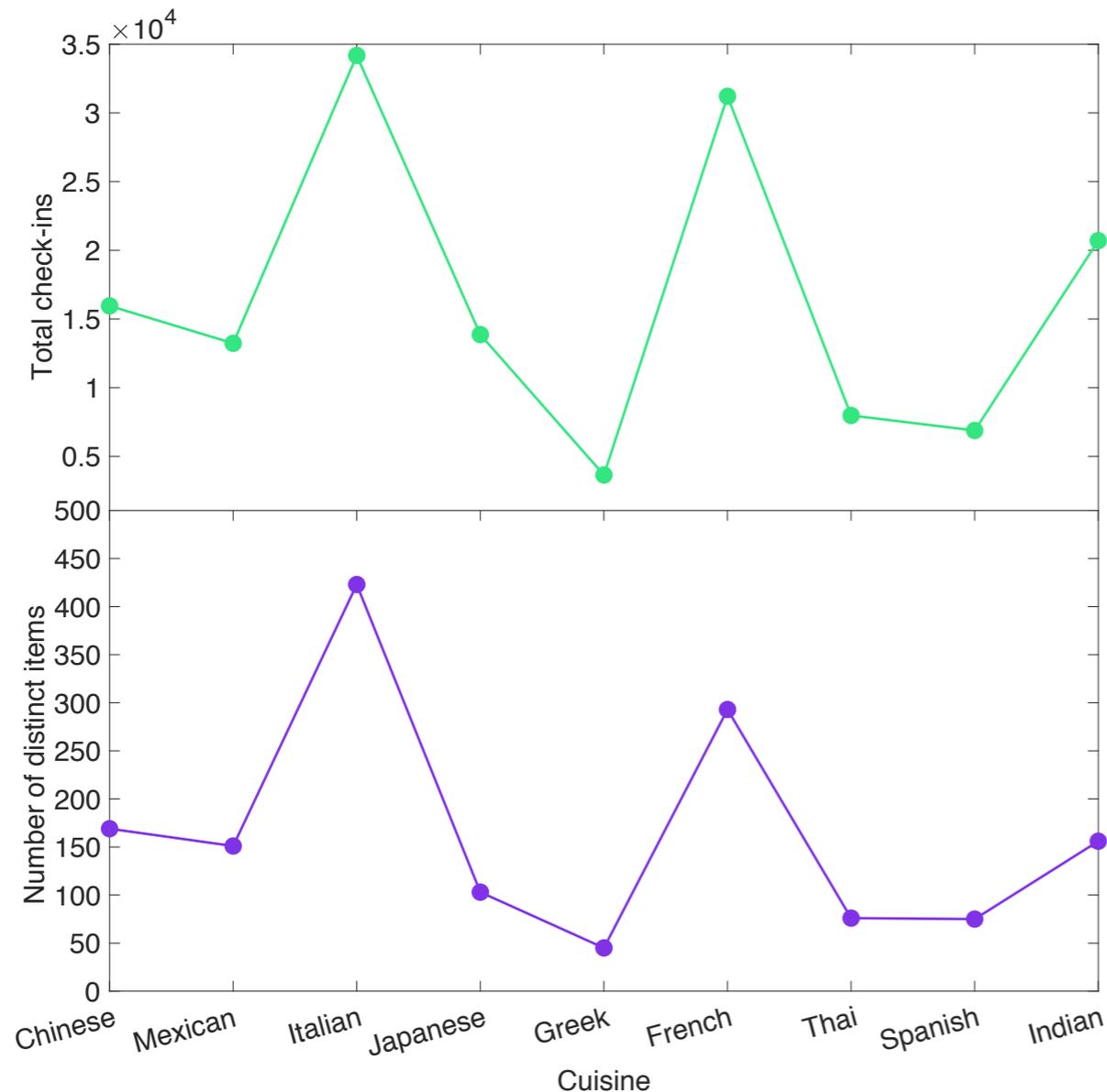
Based upon the number of total check-ins, the rankings of the cuisines according to SPL data is:

1. Italian
2. French
3. Indian
4. Chinese
5. Japanese
6. Mexican
7. Thai
8. Spanish
9. Greek

# WORLD CUISINES

In the interest of time, I've summarized my queries for the 9 top cuisines into several plots.

The number of distinct items is very well-correlated with the number of total check-ins.



Greek cuisine is the least popular amongst SPL users, even though it was the 5th most popular in the survey.

I'm not too surprised that French food is the second most popular amongst SPL users, given its long history in American culture.

# WORLD CUISINES

An interesting thing I noticed about results for French cuisine was the relatively disproportionate number of check-ins for the most popular items, here compared with the Italian cuisine result:

bibNumber	itemType	title	deweyClass	Counts
▶ 2337888	acbk	My life in France ←	641.5092	3246
2084579	acbk	Mastering the art of French cooking Volume 1 ←	641.5944	1944
2300226	acdvd	French chef with Julia Child ←	641.5944	1380
2265425	acbk	Barefoot in Paris easy French food you can make at home Ina Garten photographs by Q...	641.5944	1313
2659228	acbk	Around my French table more than 300 recipes from my home to yours	641.5944	1111
2434852	acdvd	French chef 2 with Julia Child ←	641.5944	1097
1916496	acbk	French Laundry cookbook	641.50979	953
2345956	accd	My life in France ←	641.5092	933

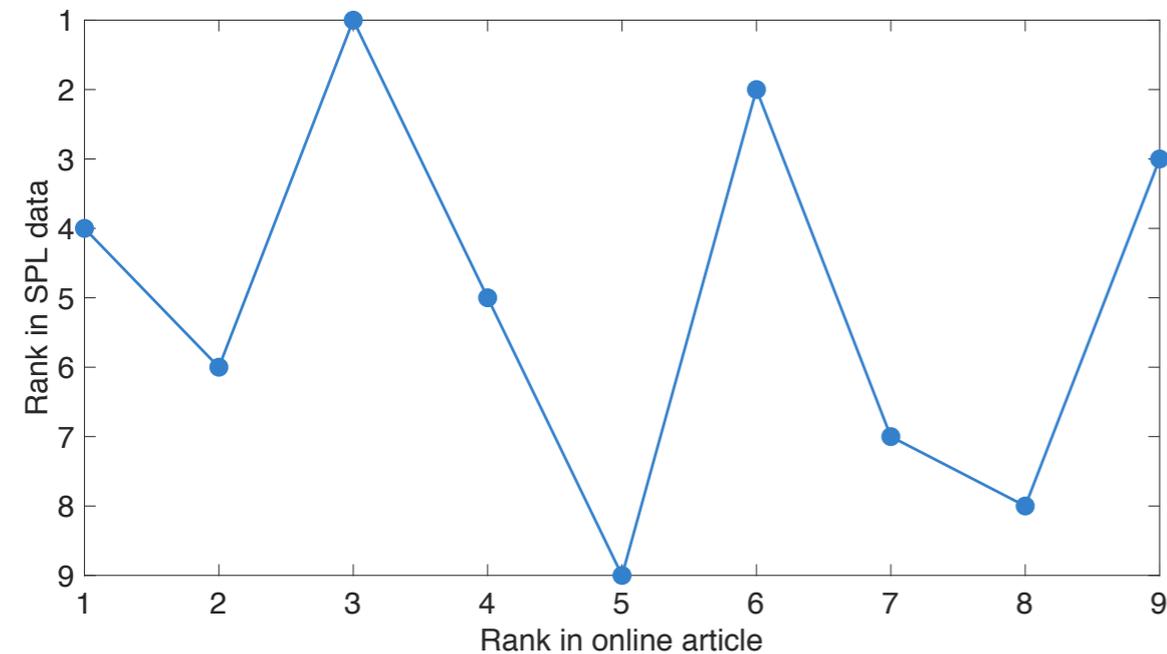
bibNumber	itemType	title	deweyClass	Counts
▶ 2282422	acbk	Everyday Italian 125 simple and delicious recipes	641.5945	1026
2387962	acbk	Jamies Italy	641.5945	940
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2521263	acbk	Giadas kitchen new Italian favorites	641.5945	576
2620863	acbk	Italian slow cooker	641.5884	560

5 out of the top 8 results for French cuisine are by Julia Child, the seminal author on French food and the first widely-regarded TV cooking personality in the US — her first cookbook was published in the 1960s and remains extremely popular today.



# WORLD CUISINES

There is little correlation between the rank (out of 9) of a cuisine in the SPL data and its rank in the original article.



The SPL results may be skewed by the regional preferences of the Seattle area — certain ethnic groups may have a relatively larger or smaller population in Seattle, affecting the interest in the respective cuisines.

I'm interested in comparing my results with the populations of the respective ethnic groups in Seattle, and in the US in general.

# HOW DOES INTEREST VARY OVER TIME?

I wanted to compare the interest over time of several cuisines from Southeast Asia, given that some of these have become “trendy” in recent years (previously Thai and Vietnamese, recently Filipino).

I queried for the number of check-ins each year between 2006-2018 for Thai, Vietnamese, Filipino, Malaysian, Indonesian, Lao, Cambodian, and Singaporean cuisines:

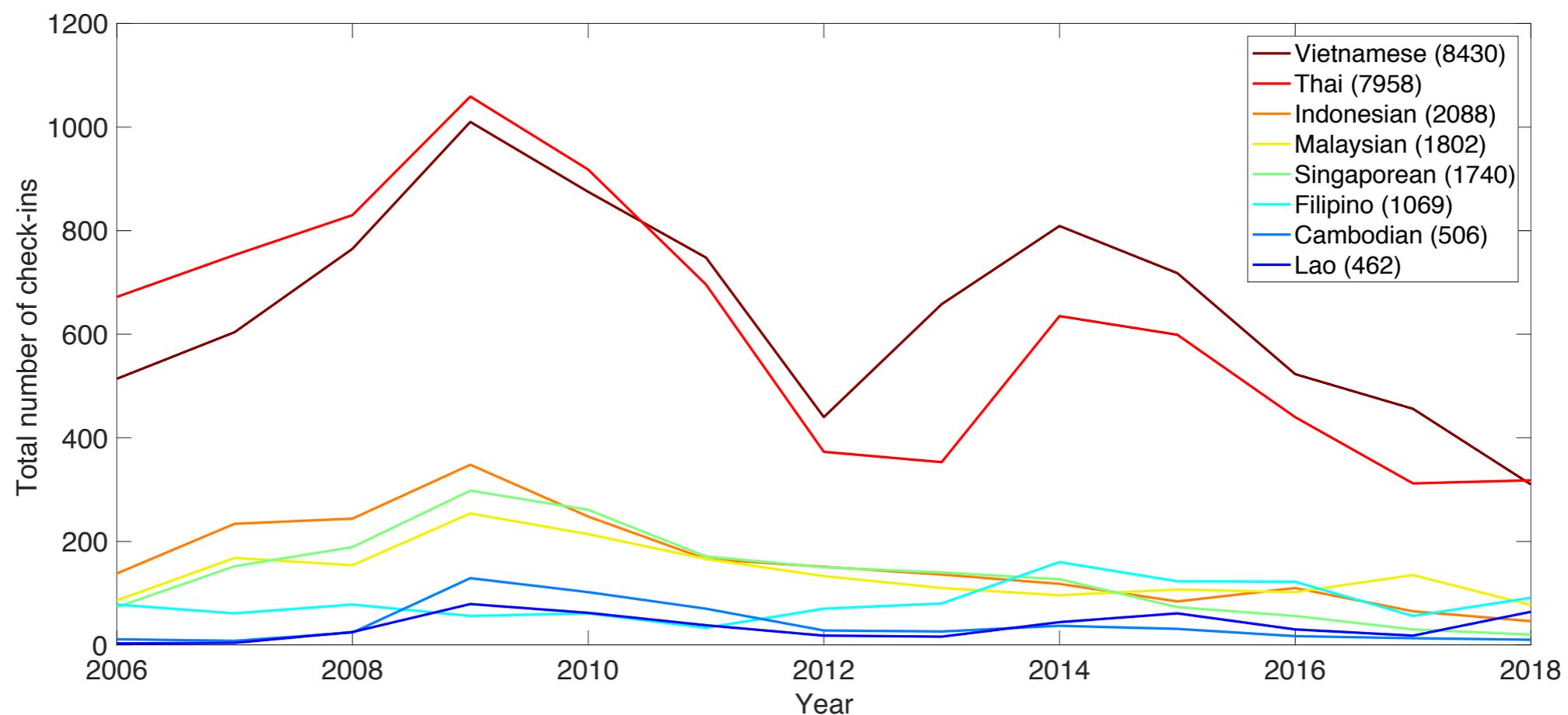
```
SELECT
  YEAR(cin),
  COUNT(IF(title LIKE '%Thai%', 1, NULL)) AS 'Thai',
  COUNT(IF(title LIKE '%Viet%', 1, NULL)) AS 'Vietnamese',
  COUNT(IF(title LIKE '%Filipin%'
    OR title LIKE '%Philippines%',
    1,
    NULL)) AS 'Filipino',
  COUNT(IF(title LIKE '%Malay%', 1, NULL)) AS 'Malaysian',
  COUNT(IF(title LIKE '%Indonesia%', 1, NULL)) AS 'Indonesian',
  COUNT(IF(title LIKE '%Lao%', 1, NULL)) AS 'Lao',
  COUNT(IF(title LIKE '%Cambodia%', 1, NULL)) AS 'Cambodian',
  COUNT(IF(title LIKE '%Singapore%', 1, NULL)) AS 'Singaporean'
FROM
  spl_2016.inraw
WHERE
  deweyClass >= 641 AND deweyClass < 642
  AND YEAR(cin) BETWEEN 2006 AND 2018
GROUP BY YEAR(cin)
```

# HOW DOES INTEREST VARY OVER TIME?

Ranked by total number of check-ins over 2006-2018, Vietnamese cuisine is the most popular, closely followed by Thai.

Thai cuisine is initially popular up until 2011, after which it was overtaken by Vietnamese cuisine, potentially an indication of its trendiness.

Both cuisines follow similar patterns: a peak in 2009, then a decline, then another peak in 2014, then a steady decline.

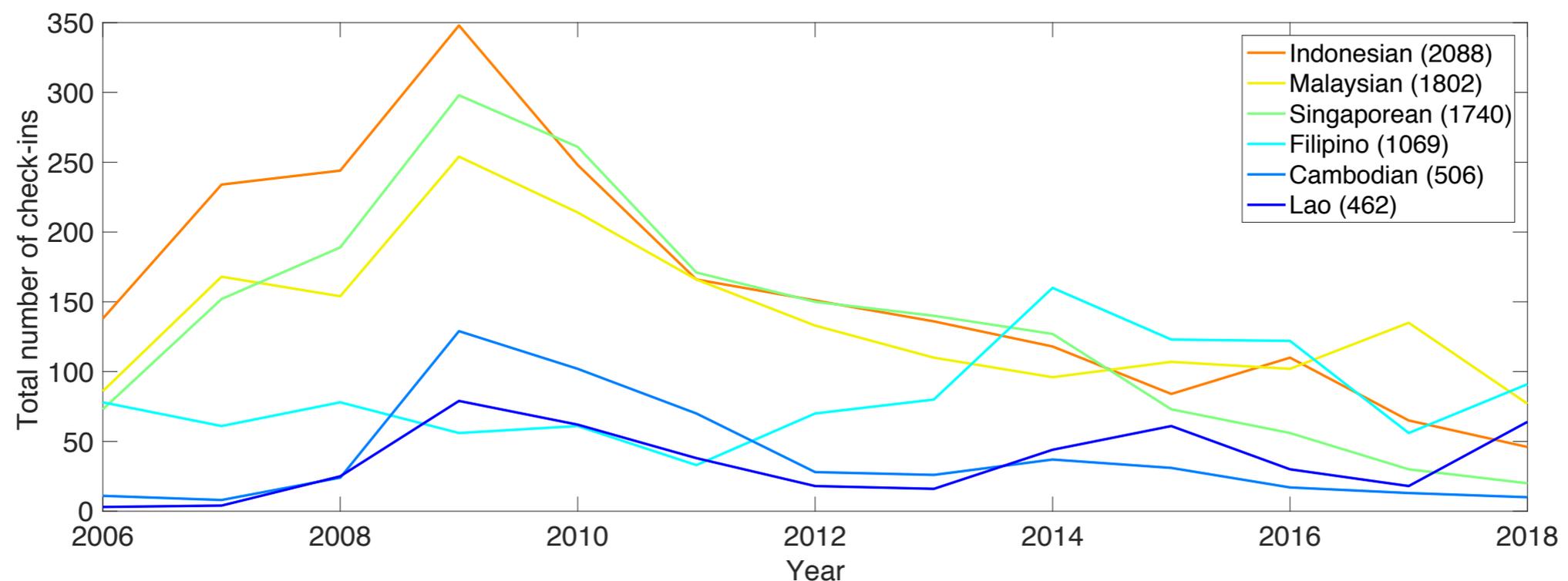


# HOW DOES INTEREST VARY OVER TIME?

Isolating the other 6 less popular cuisines, Indonesian, Malaysian, and Singaporean all demonstrate similar peaks in 2009, with steady declines following.

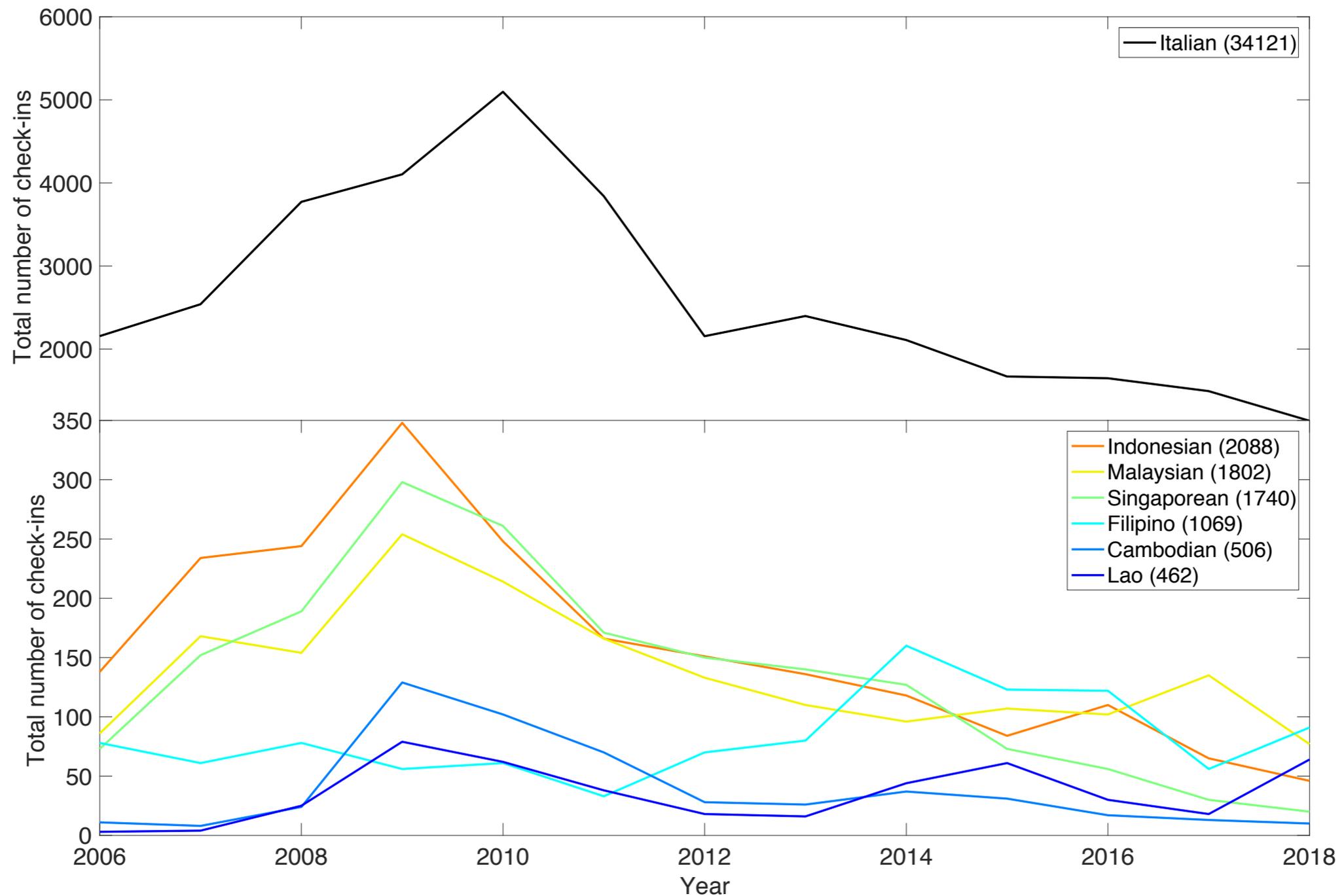
Filipino cuisine does exhibit an increase starting from 2011, peaking in 2014 — possibly matching up with its trendiness.

Cambodian and Lao cuisines also peak in 2009. Did something happen in 2009 that stoked interest in food-related check-outs/check-ins at SPL? Or did general interest in the library, regardless of subject, peak in 2009?



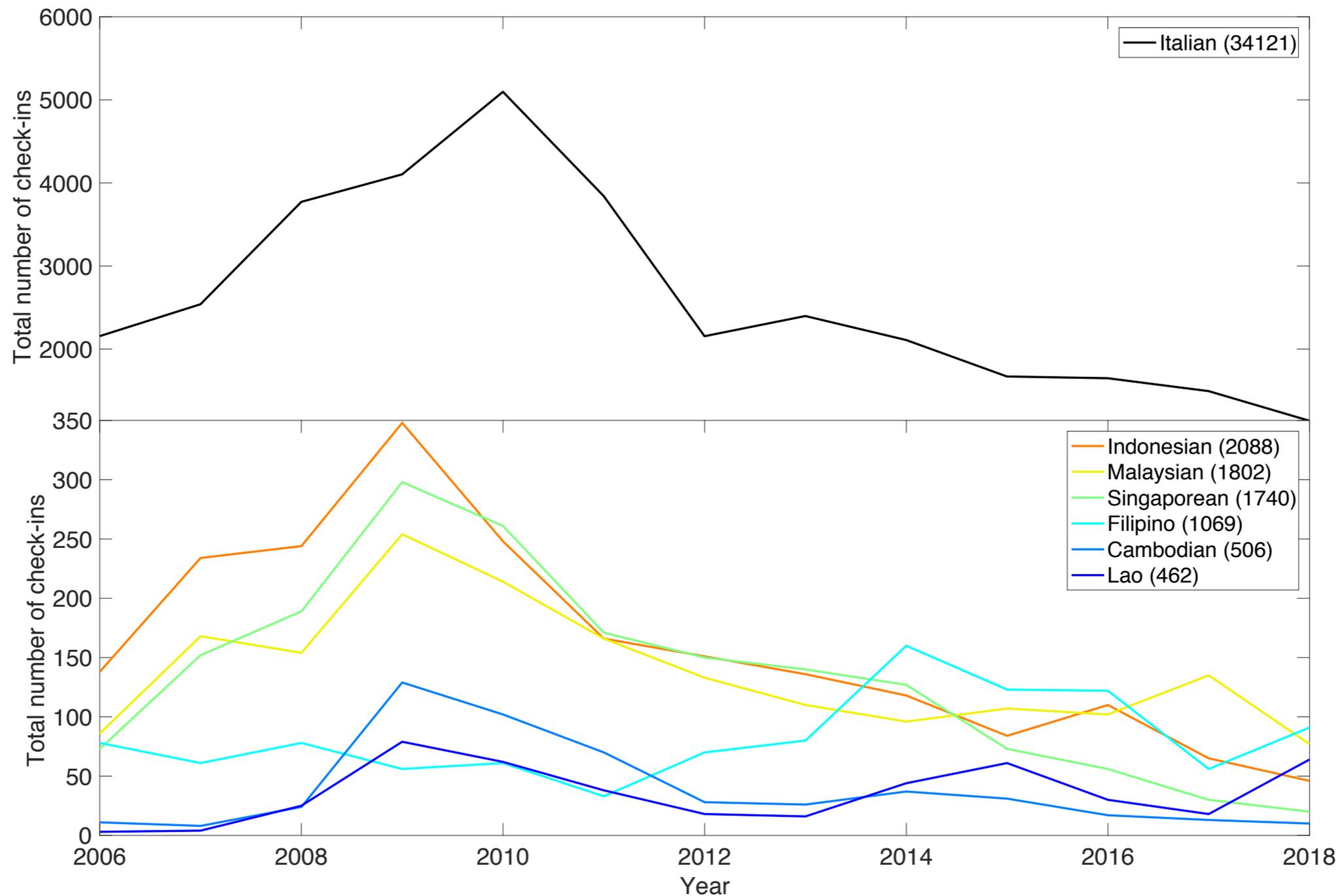
# HOW DOES INTEREST VARY OVER TIME?

I also compared with Italian cuisine as sort of a baseline:



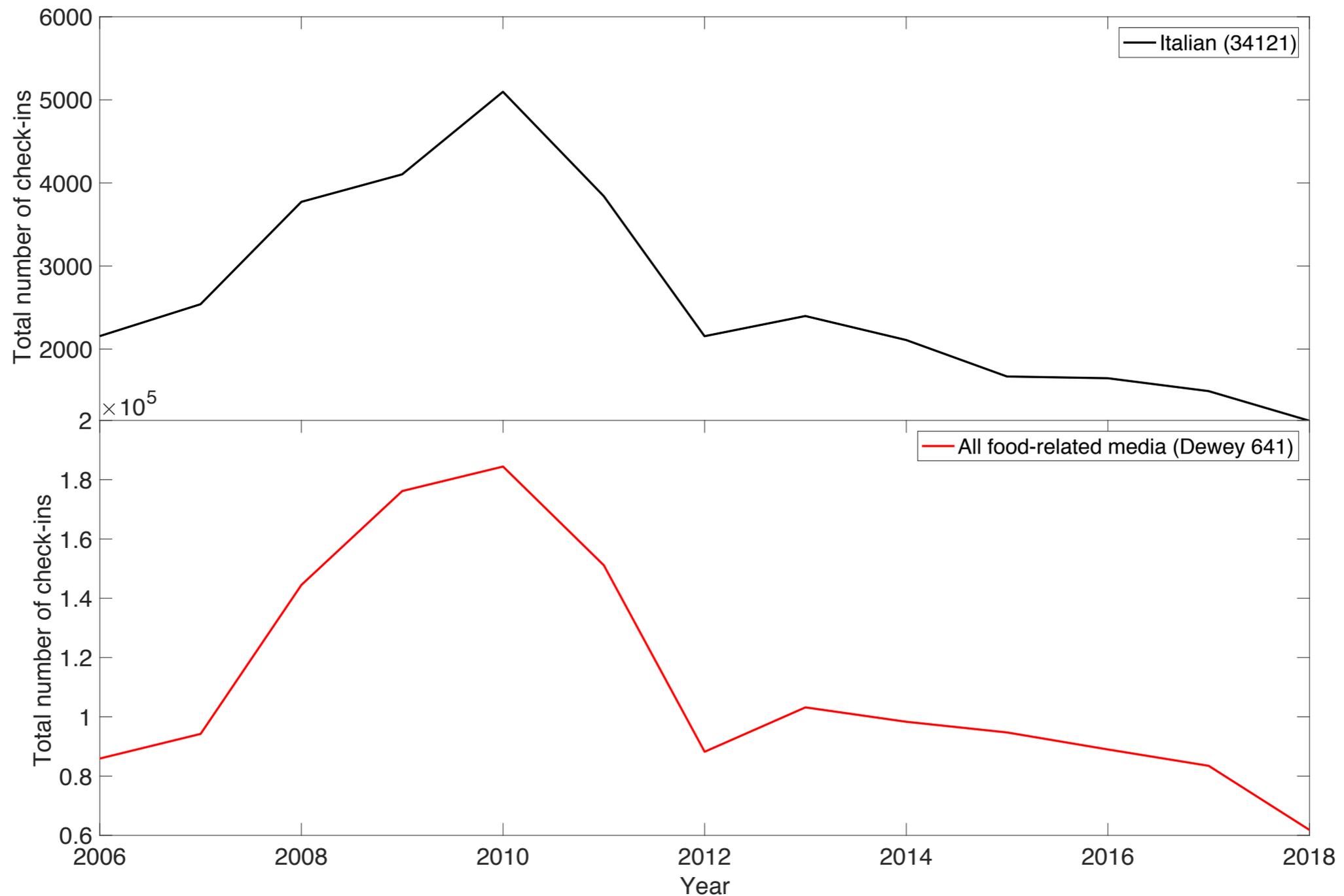
# HOW DOES INTEREST VARY OVER TIME?

Check-ins for Italian food-related media follow a similar rise in early years but peaks in 2010, followed by a somewhat steady decline.



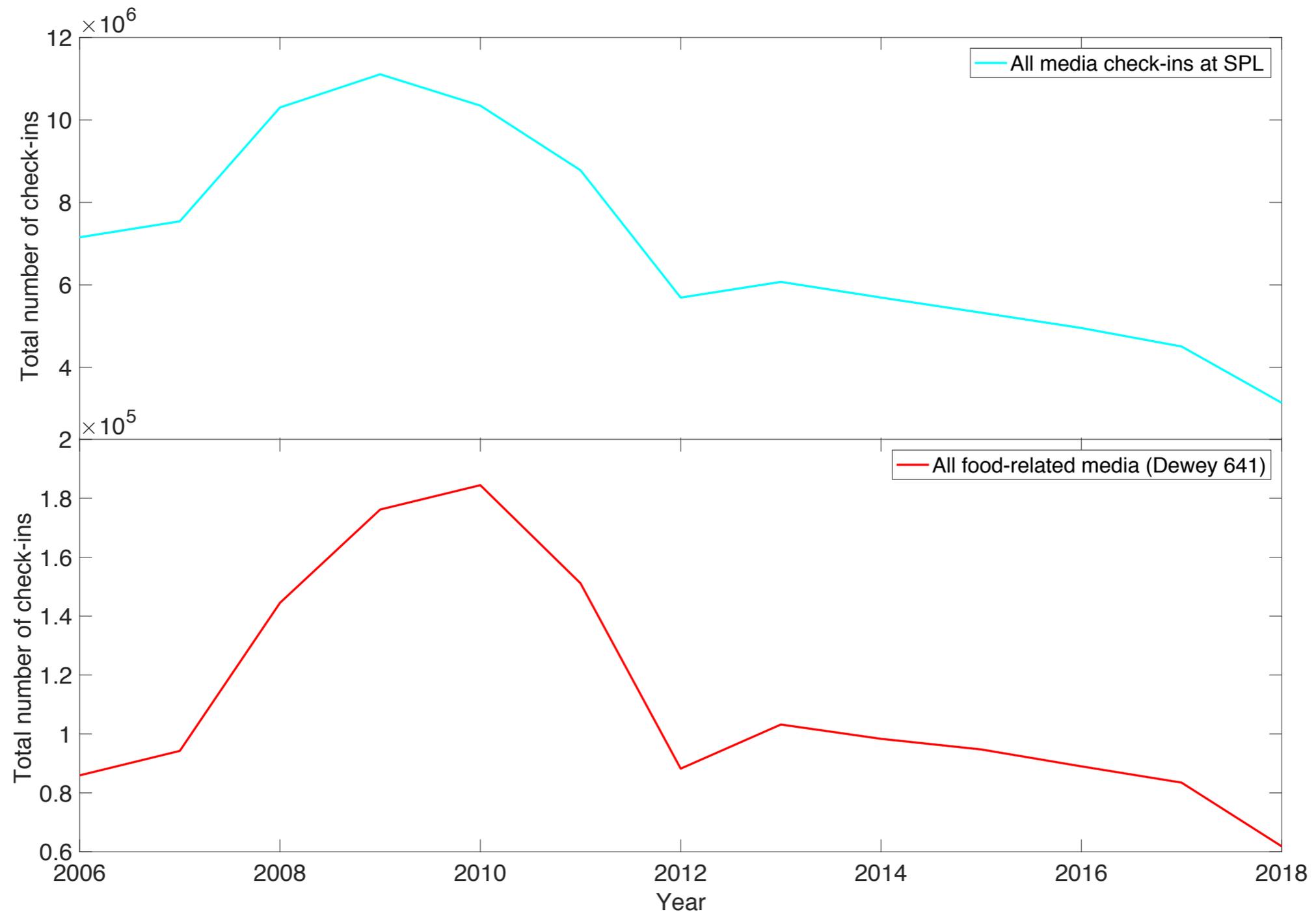
# HOW DOES INTEREST VARY OVER TIME?

Compared with ALL food-related media with Dewey  $\geq 641$  and  $< 642$ , we observe a very similar pattern as for Italian cuisine: global max at 2010, local min at 2012, and local min at 2013.



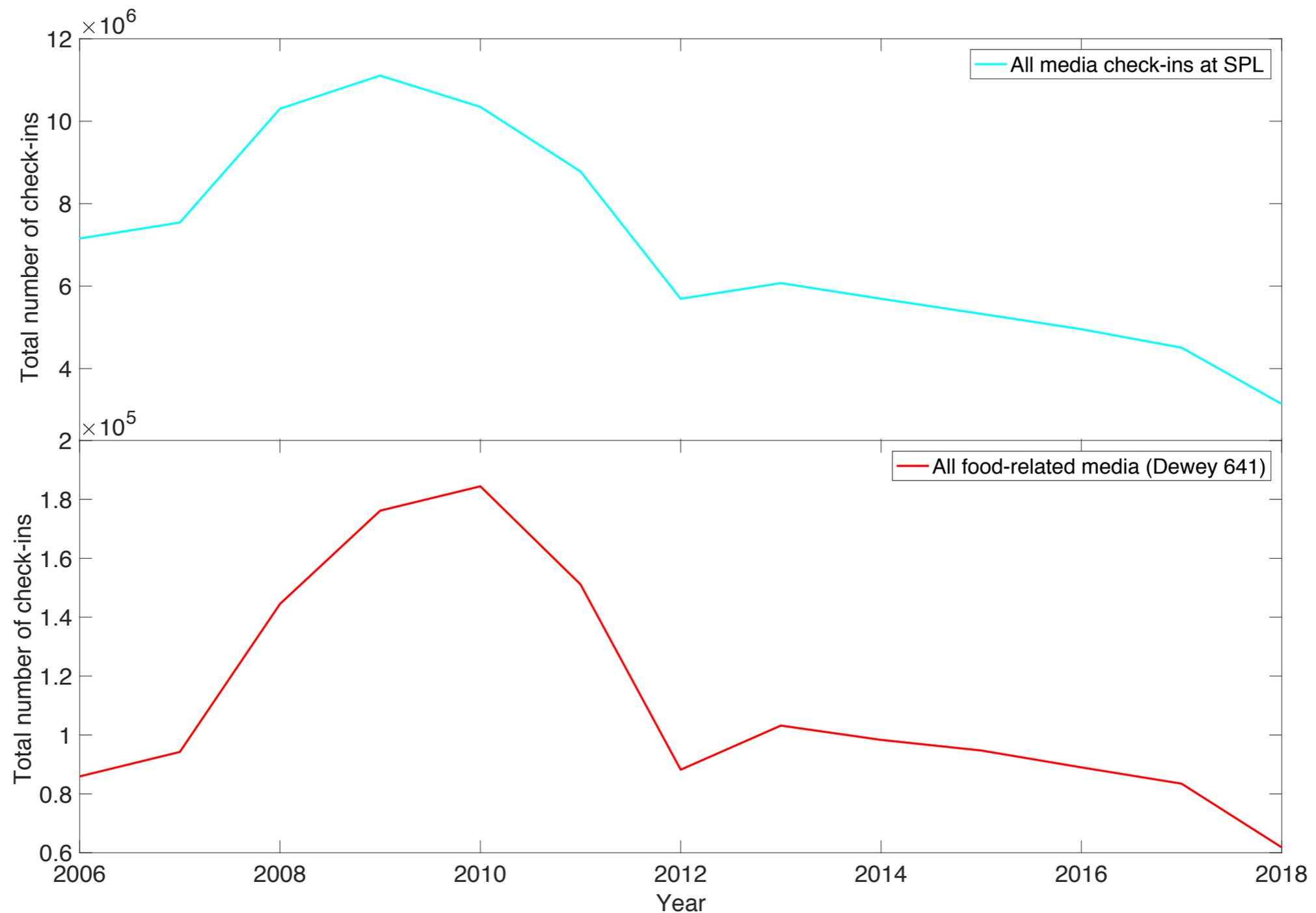
# HOW DOES INTEREST VARY OVER TIME?

The number of check-ins per year for ALL media at SPL, in fact, also follows a similar pattern, though the 2009 saw the highest number of check-ins.



# HOW DOES INTEREST VARY OVER TIME?

This indicates that the interest in Italian-related food media is indicative of general food media interest, which is indicative of general SPL interest overall.



# CHARTICULATOR

I also extracted the number of check-ins per year for the original list of the 9 most popular cuisines.

```
SELECT
YEAR(cin),
COUNT(IF(title LIKE '%China%'
OR title LIKE '%Chinese%',
1,
NULL)) AS 'Chinese',
COUNT(IF(title LIKE '%Mexic%', 1, NULL)) AS 'Mexican',
COUNT(IF(title LIKE '%Italy%'
OR title LIKE '%Itali%',
1,
NULL)) AS 'Italian',
COUNT(IF(title LIKE '%Japan%', 1, NULL)) AS 'Japanese',
COUNT(IF(title LIKE '%Greek%'
OR title LIKE '%Greece%',
1,
NULL)) AS 'Greek',
COUNT(IF(title LIKE '%France%'
OR title LIKE '%French%',
1,
NULL)) AS 'French',
COUNT(IF(title LIKE '%Thai%', 1, NULL)) AS 'Thai',
COUNT(IF(title LIKE '%Spain%'
OR title LIKE '%Spanish%',
1,
NULL)) AS 'Spanish',
COUNT(IF(title LIKE '%India%', 1, NULL)) AS 'Indian'
FROM
spl_2016.inraw
WHERE
deweyClass >= 641 AND deweyClass < 642
AND YEAR(cin) BETWEEN 2006 AND 2018
GROUP BY YEAR(cin)
```

YEAR(cin)	Chinese	Mexican	Italian	Japanese	Greek	French	Thai	Spanish	Indian
2006	1033	1027	2156	1168	256	2522	672	507	1128
2007	1130	842	2540	1085	325	2599	753	426	1663
2008	2429	1009	3772	1444	316	2929	830	830	2192
2009	2452	1552	4103	1600	521	4271	1059	1260	2542
2010	1766	1753	5097	1867	447	4946	918	902	2298
2011	1260	1392	3841	1593	310	3552	696	618	2407
2012	758	813	2155	693	248	1551	373	411	1171
2013	974	872	2398	903	237	1590	353	461	1315
2014	976	849	2109	811	251	1729	635	369	1329
2015	920	970	1670	774	267	1591	599	297	1217
2016	918	776	1649	729	203	1283	440	314	1288
2017	710	785	1494	636	155	1105	312	301	1101
▶ 2018	613	557	1137	528	96	678	318	174	997

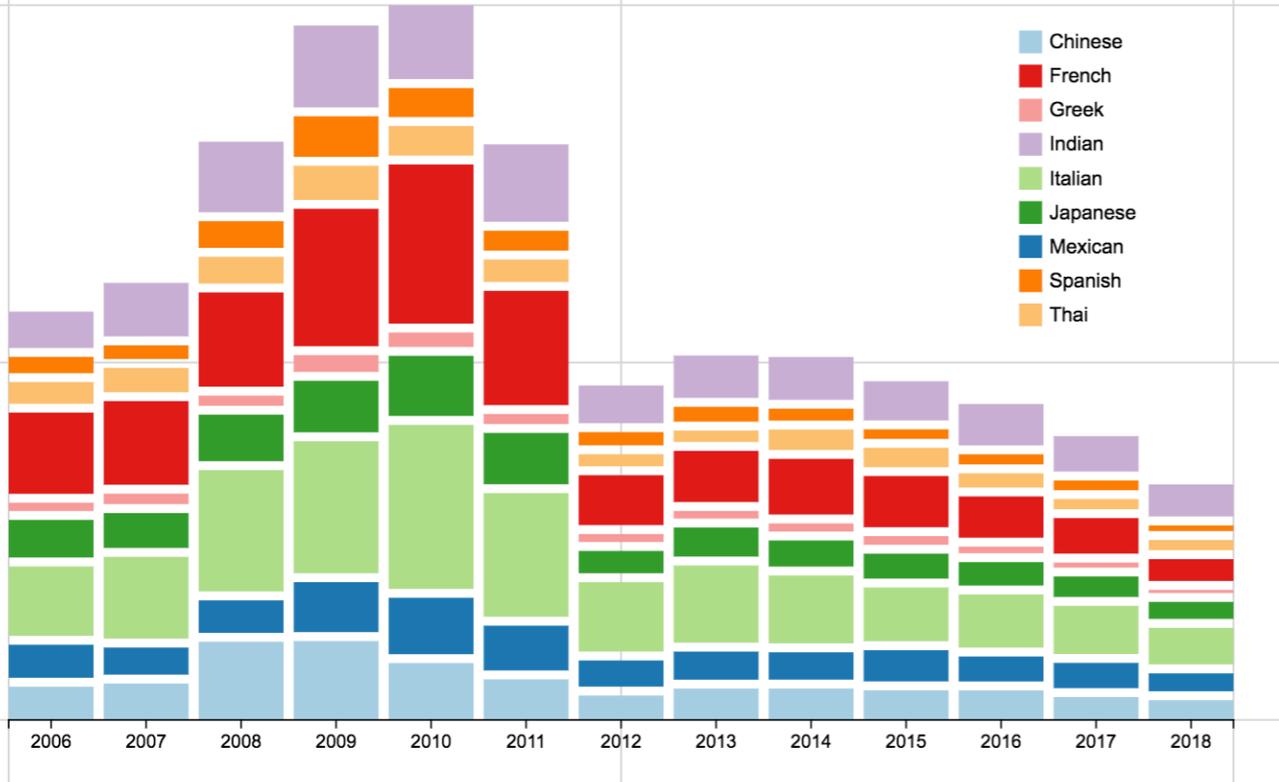
# CHARTICULATOR

However, to import this data into Charticulator, I had to manually change the columns so that the data has 3 columns: Year, Cuisine (categorical), and Number of check-ins.

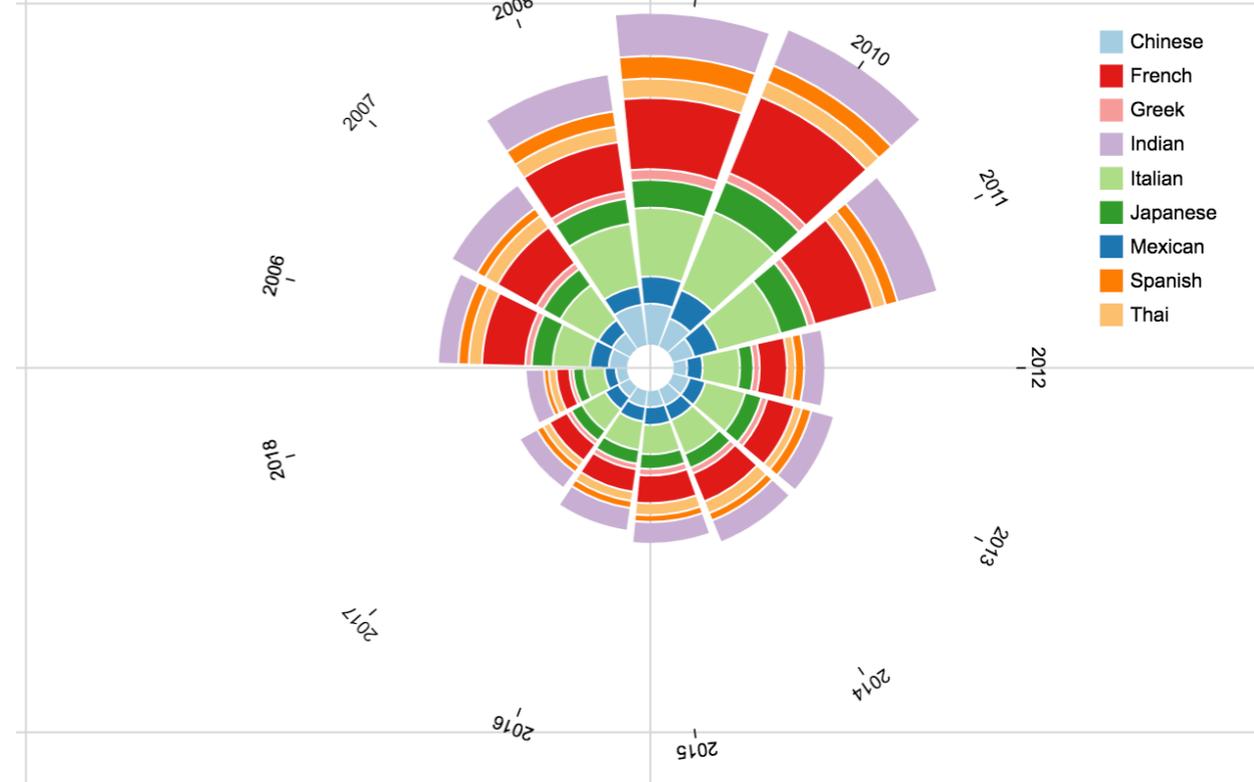
```
YEAR(cin),Counts,Country
2006,1033,Chinese
2007,1130,Chinese
2008,2429,Chinese
2009,2452,Chinese
2010,1766,Chinese
2011,1260,Chinese
2012,758,Chinese
2013,974,Chinese
2014,976,Chinese
2015,920,Chinese
2016,918,Chinese
2017,710,Chinese
2018,613,Chinese
2006,1027,Mexican
2007,842,Mexican
2008,1009,Mexican
2009,1552,Mexican
2010,1753,Mexican
2011,1392,Mexican
2012,813,Mexican
2013,872,Mexican
2014,849,Mexican
2015,970,Mexican
2016,776,Mexican
2017,785,Mexican
2018,557,Mexican
2006,2156,Italian
2007,2540,Italian
2008,3772,Italian
```

# CHARTICULATOR

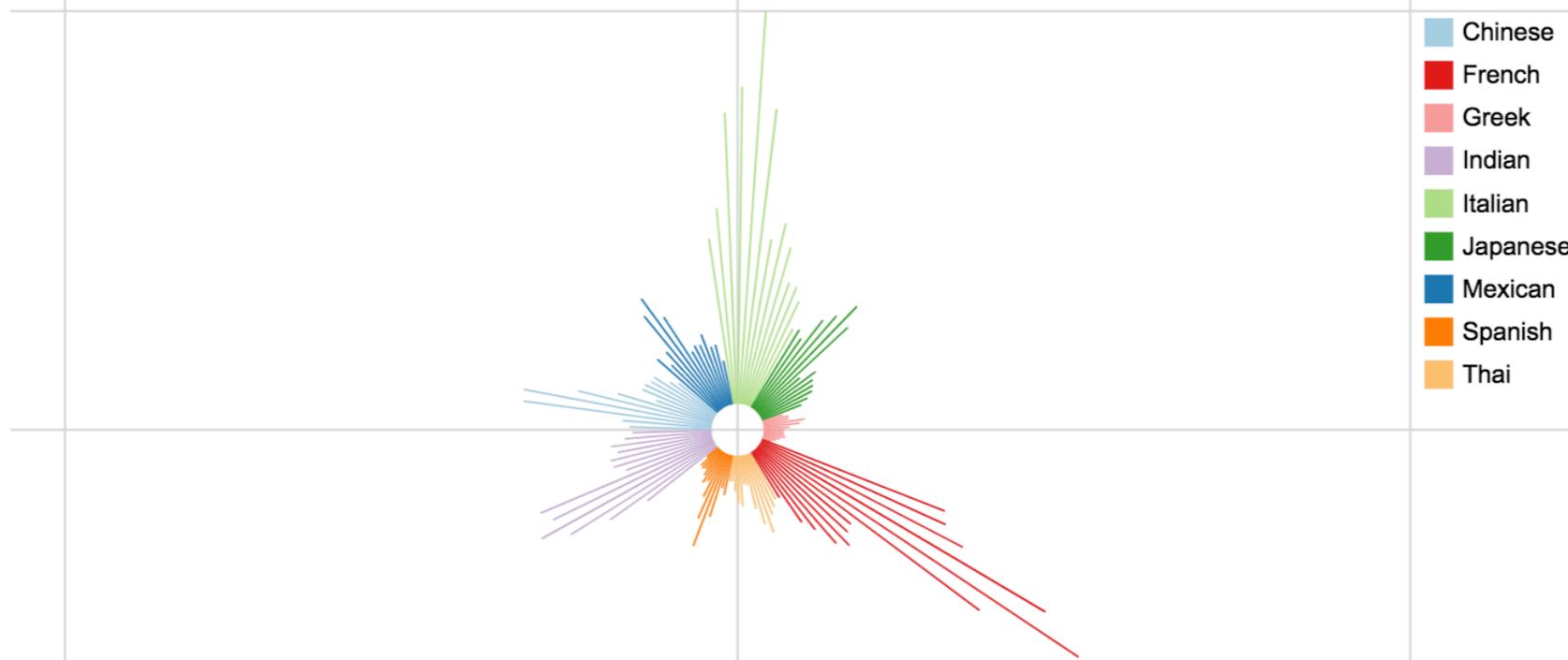
Check-ins for books on various cuisines, by year



Check-ins for books on various cuisines, by year



Check-ins for books on various cuisines, by year



What follows is a more detailed write-up on the same material; I decided to make these slides just to facilitate my presentation to the class.

As an avid cook, I'm interested in exploring which cuisines are the most popular and how the popularity of various cuisines can change over time. I will analyze the records of cookbooks (and food-related media in general) using keywords that cover a range of world cuisines: French, Italian, Japanese, Thai, and so on. As a proxy for popularity, I will examine the numbers of check-ins for cookbooks of a specific cuisine. I will also look into how many books about a cuisine are owned by the library, and if there are certain books that the library owns particularly many copies of.

I will start by searching for cuisines that are commonly thought of to be amongst the most popular (non-American) cuisines in the US. I will also delve specifically into cuisines of various Southeast Asian countries, some of which have been described as having become 'trendy' over the past few years.

First I googled 'popular cuisines in the US' and got a bunch of articles — none of which are probably all that rigorous — but at least serve as a starting point:



According to this article, the top cuisines include Chinese, Mexican, Italian, Japanese, Greek, French, Thai, Spanish, and Indian. (The last one is Mediterranean but I'm going to skip it in favor of those that are represented by a single country.)

### 1. Chinese

Here's my query for the most popular books on Chinese food:

```
SELECT
    bibNumber,
    itemType,
    title,
    deweyClass,
    COUNT(bibNumber) AS Counts
FROM
    spl_2016.inraw
WHERE
    (title LIKE '%China%'
     OR title LIKE '%Chinese%')
     AND deweyClass >= 641
     AND deweyClass < 642
GROUP BY bibNumber , itemType , title , deweyClass
ORDER BY Counts DESC
```

I've searched for all *Dewey* media that has a title which contains either "China" or "Chinese" and falls within Dewey numbers 641 and 642. Dewey number 641 corresponds to food and drink. Most of the results are books, but there is one DVD as well. I am not limiting my search to books, because DVDs (e.g.

cooking shows, documentaries) and other media also represent interest in these topics. The counts indicate the number of times a copy of each media item has been checked in.

Here is the result of this query:

bibNumber	itemType	title	deweyClass	Counts
▶ 2471718	acb	fortune cookie chronicles adventures in the world of Chinese food	641.5951	1215
2484825	acb	Sharks fin and Sichuan pepper a sweet sour memoir of eating in China	641.5951	754
2496886	acb	Beyond the Great Wall recipes and travels in the other China	641.59515	631
2251642	acb	breath of a wok unlocking the spirit of Chinese wok cooking through recipes and lore	641.5951	531
2873927	acb	Every grain of rice simple Chinese home cooking	641.5951	462
2404712	acb	Revolutionary Chinese cookbook recipes from Hunan Province	641.59512	428
2393136	acb	Simple Chinese cooking	641.5951	395
2873956	acb	China study cookbook over 120 whole food plant based recipes	641.5636	376
2512963	jcdvd	Cooking with kids exploring Chinese food culture and language	641.5951	374
2611360	acb	Mastering the art of Chinese cooking	641.5951	313
2741280	acb	Easy Chinese recipes family favorites from dim sum to kung pao	641.5951	272
2499486	acb	Martin Yans China	641.5951	267
2851835	acb	Chinese takeout cookbook quick and easy dishes to prepare at home	641.5951	242
2513370	acb	500 Chinese recipes fabulous dishes from China and classic influential recipes from the...	641.5951	234
3281793	acb	Chinese soul food a friendly guide for homemade dumplings stir fries soups and more	641.5951	229
2482841	acb	Serve the people a stir fried journey through China	641.5951	229
2104565	acb	Dim sum the art of Chinese tea lunch	641.5951	212

We see that the most popular item is a book called “fortune cookie chronicles adventures in the world of Chinese food” and that it has been checked in 1215 times.

Note that there are some limitations to this search. It’s easily possible that there are books on Chinese food that don’t contain the words “China” or “Chinese” in them. Some books have less descriptive titles, or books on regional Chinese cuisines (e.g. Sichuan) might contain the name of only the region, but I would still considered them to be books on Chinese food. For instance, one of the Amazon bestsellers among Chinese cookbooks is a book called *Land of Plenty: A Treasury of Authentic Sichuan Cooking* — I searched for this title and found that this book has 564 checkouts in the SPL database, which would put it as the #4 most popular book in the original search, if it had shown up.

According to the output log, there were 172 rows returned from this query, indicating 172 distinct items related to Chinese food. However, I thought that if I performed an SQL query to obtain the number of distinct bibNumbers, using

```
SELECT
  COUNT(DISTINCT bibNumber)
FROM
  spl_2016.inraw
WHERE
  (title LIKE '%China%'
   OR title LIKE '%Chinese%')
  AND deweyClass >= 641
  AND deweyClass < 642
```

this would give me the same result,

COUNT(DISTINCT bibNumb...
▶ 169

but it didn’t — it gave me 169 distinct bibNumbers. When I looked into this discrepancy, I noticed that there were certain items that had the same bibNumber and same title, but were different item types, for example:

100700	arbk	Traditional Chinese northern and western cuisine	641.59	1
100700	acbk	Traditional Chinese northern and western cuisine	641.59	1

To get the total number of check-ins, I replace DISTINCT bibNumber with simply bibNumber.

```
SELECT
  COUNT(bibNumber)
FROM
  spl_2016.inraw
WHERE
  (title LIKE '%China%'
   OR title LIKE '%Chinese%')
  AND deweyClass >= 641
  AND deweyClass < 642
```

which gives

COUNT(bibNumb...
▶ 15953

15953 check-ins.

## 2. Mexican

Okay, moving on. For Mexican cuisine, I'm using the same query, except rather than (title LIKE '%China%' OR title LIKE '%Chinese%'), I simply search title LIKE '%Mexic%' which would account for "Mexico", "Mexican", etc.

```
SELECT
  bibNumber,
  itemType,
  title,
  deweyClass,
  COUNT(bibNumber) AS Counts
FROM
  spl_2016.inraw
WHERE
  (title LIKE '%Mexic%')
  AND deweyClass >= 641
  AND deweyClass < 642
GROUP BY bibNumber , itemType , title , deweyClass
ORDER BY Counts DESC
```

bibNumber	itemType	title	deweyClass	Counts
▶ 2317755	acbk	Mexican everyday	641.5972	1137
1978482	acbk	Rick Bayless Mexico one plate at a time	641.5972	552
2580585	acbk	Authentic Mexican regional cooking from the heart of Mexico	641.5972	476
2507415	acbk	art of Mexican cooking traditional Mexican cooking for aficionados	641.5972	448
1695170	acbk	Rick Bayless Mexican kitchen capturing the vibrant flavors of a world class cuisine	641.5972	434
2638548	acbk	gloriously gluten free cookbook spicing up life with Italian Asian and Mexican recipes	641.5638	414
2197235	acbk	From my Mexican kitchen techniques and ingredients	641.5972	383
2701952	acbk	Paletas authentic recipes for Mexican ice pops shaved ice aguas frescas	641.86	292
1973156	acbk	essential cuisines of Mexico	641.5972	291
2831580	acbk	Mexican slow cooker recipes for mole enchiladas carnitas chile verde pork and more fav...	641.5884	269
2665434	acbk	My sweet Mexico recipes for authentic pastries breads candies beverages and frozen tr...	641.5972	258
2161519	jbck	Cooking the Mexican way	641.5972	239
2582411	acbk	Fresh Mexico 100 simple recipes for true Mexican flavor	641.5972	234
2876130	acbk	Patis Mexican table the secrets of real Mexican home cooking	641.5972	228
1826335	acbk	food and life of Oaxaca Mexico traditional recipes from Mexicos heart	641.5972	228
2556279	acbk	Simply Mexican	641.5972	226

The distribution of counts looks similar to that of the Chinese cookbook query, but with slightly fewer counts overall.

Again, there is some discrepancy in item labeling that causes the number of rows (160) to be different than the number of distinct bibNumbers (151):

```
SELECT
  COUNT(DISTINCT bibNumber)
FROM
  spl_2016.inraw
WHERE
  (title LIKE '%Mexic%')
  AND deweyClass >= 641
  AND deweyClass < 642
```

Response	COUNT(DISTINCT bibNumb...
160 row(s) returned	▶ 151

Then, searching for the total number of check-ins:

```
SELECT
  COUNT(bibNumber)
FROM
  spl_2016.inraw
WHERE
  (title LIKE '%Mexic%')
  AND deweyClass >= 641
  AND deweyClass < 642
```

COUNT(bibNumb...
13226

There are 13226 check-ins, about 2600 fewer than for Chinese cookbooks.

### 3. Italian

To search for books on Italian cuisine, I repeat the same queries as before, but replacing the title search with (title LIKE '%Italy%' OR title LIKE '%Itali%').

	bibNumber	itemType	title	deweyClass	Counts
▶	2282422	acb	Everyday Italian 125 simple and delicious recipes	641.5945	1026
	2387962	acb	Jamies Italy	641.5945	940
	2296732	acb	Molto Italiano 327 simple italian recipes to cook at home	641.5945	681
	2676546	acb	Ethan Stowells new Italian kitchen bold cooking from Seattles Anchovies Olives how to...	641.5945	659
	1278590	acb	Essentials of classic Italian cooking	641.5945	612
	2647018	acb	Molto gusto easy Italian cooking at home	641.5945	588
	2521263	acb	Giadas kitchen new Italian favorites	641.5945	576
	2620863	acb	Italian slow cooker	641.5884	560
	1279355	acb	splendid table recipes from Emilia Romagna the heartland of northern Italian food	641.59454	461
	2413937	acb	Lidias Italy	641.5945	459
	2632575	acb	Giada at home family recipes from Italy and California	641.5945	429
	2638548	acb	gloriously gluten free cookbook spicing up life with Italian Asian and Mexican recipes	641.5638	414
	2530506	acb	Urban Italian simple recipes and true stories from a life in food	641.5	402
	2590492	acb	Lidia cooks from the heart of Italy	641.5945	399
	1839757	acb	Mario Batali simple Italian food recipes from my two villages	641.5945	385

For the previous two cuisines, the most popular book had almost twice as many check-ins as the second most popular book. However, here we see that the top two books have somewhat similar numbers of check-ins.

Searching for the number of distinct bibNumbers, I find

COUNT(DISTINCT bibNumb...
▶ 423

423 titles — more than double the Chinese and Mexican cuisine results! This doesn't surprise me too much — Italian food is extremely popular and deeply entrenched in American culture; many of its dishes can be simple to make, and the ingredients readily available, so it's commonly cooked at home; hence, I would expect there to be a wide variety of Italian cookbooks.

COUNT(bibNumb...
34182

Likewise, the total number of check-ins is more than double for the Chinese and Mexican cuisines. Again, this reinforces my hypothesis that Italian food is particularly attractive for home cooking. I believe the magazine article I'm drawing from got its data from a survey of restaurant visits, rather than home cooks, which indicates that people really like eating at Chinese and Mexican restaurants, but don't cook Chinese and Mexican food at home as often as Italian food.

#### 4. Japanese

Now I search for title LIKE '%Japan%':

bibNumber	itemType	title	deweyClass	Counts
▶ 2472657	acb	Harumis Japanese home cooking	641.5952	584
2613660	acb	Everyday Harumi simple Japanese food for family friends	641.5952	579
2328656	acb	Washoku recipes from the Japanese home kitchen	641.5952	561
2327400	acb	Japanese women dont get old or fat secrets of my mothers Tokyo kitchen	641.5952	530
2848032	acb	Japanese farm food	641.5952	503
2067824	acb	Bento boxes Japanese meals on the go	641.5952	485
2349025	acb	Harumis Japanese cooking	641.5952	485
2609025	acb	Japanese hot pots comforting one pot meals	641.82095	472
2507408	acb	Izakaya the Japanese pub cookbook	641.5952	404
2967363	acb	Japanese soul cooking ramen tonkatsu tempura and more from the streets and kitchens...	641.5952	388
2612817	acb	Kawaii bento boxes cute and convenient Japanese meals on the go	641.5952	363
2455653	acb	Morimoto the new art of Japanese cooking	641.5952	345
2681401	acb	Kansha celebrating Japans vegan and vegetarian traditions	641.5952	338
2333497	acb	enlightened kitchen fresh vegetable dishes from the temples of Japan	641.5636	287
2701938	acb	Japanese home cooking with Master Chef Murata 60 quick and healthy recipes	641.5952	287
2286548	acb	Japanese kitchen a book of essential ingredients with 200 authentic recipes	641.5952	284

The top result has about half the number of check-ins as for the top result of the other cuisine. Interestingly, though, the top three or so results have about the same numbers of check-ins.

COUNT(DISTINCT bibNumb...	COUNT(bibNumb...
▶ 103	▶ 13859

103 distinct bibNumbers and 13859 check-ins. There are the fewest distinct Japanese food-related items but actually a little bit more check-ins total than for Mexican cuisine.

## 5. Greek

I search for (title LIKE '%Greek%' OR title LIKE '%Greece%')

bibNumber	itemType	title	deweyClass	Counts
▶ 2617868	acb	How to roast a lamb new Greek classic cooking	641.59182	286
2436709	acb	Eating the Greek way more than 100 fresh and delicious recipes from some of the health...	641.59495	245
2253447	acb	olive and the caper adventures in Greek cooking	641.5945	206
2124543	acb	Modern Greek 170 contemporary recipes from the Mediterranean	641.59495	199
2035673	acb	glorious foods of Greece traditional recipes from the islands cities and villages	641.59495	181
1975146	acb	foods of the Greek islands cooking and culture at the crossroads of the Mediterranean in...	641.59495	180
2741043	acb	Food from many Greek kitchens	641.59495	176
2565394	acb	Mediterranean hot and spicy healthy fast and zesty recipes from Southern Italy Greece...	641.59182	172
2133883	jcb	Cooking the Greek way	641.5949	158
3054417	acb	Ikaria lessons on food life and longevity from the Greek island where people forget to die	641.59495	155
2364563	acb	new Greek cuisine	641.59495	147
2737063	acb	Kokkari contemporary Greek flavors	641.59495	142
2511173	acb	Mezze modern delicious appetizers from Greece Lebanon and Turkey	641.812	129
2568178	acb	Culinaria Greece Greek specialties	641.59495	110
2568212	acb	Regional Greek cooking	641.59495	109
2253446	acb	philosophers kitchen recipes from ancient Greece and Rome for the modern cook	641.5938	100

There are even fewer counts here for the top results.

COUNT(DISTINCT bibNumb...	COUNT(bibNumb...
▶ 45	▶ 3637

With about half the distinct bibNumbers of Japanese food-related items and less than a third of the total check-outs, Greek food is not very popular amongst the SPL members. I was surprised that Greek cuisine ranked so high, but again, this is likely a case of Greek restaurants being popular while Greek home cooking is not.

## 6. French

I search for (title LIKE '%Franc%' OR title LIKE '%French%')

bibNumber	itemType	title	deweyClass	Counts
▶ 2337888	acb	My life in France	641.5092	3246
2084579	acb	Mastering the art of French cooking Volume 1	641.5944	1944
2300226	acdvd	French chef with Julia Child	641.5944	1380
2265425	acb	Barefoot in Paris easy French food you can make at home Ina Garten photographs by Q...	641.5944	1313
2659228	acb	Around my French table more than 300 recipes from my home to yours	641.5944	1111
2434852	acdvd	French chef 2 with Julia Child	641.5944	1097
1916496	acb	French Laundry cookbook	641.50979	953
2345956	accd	My life in France	641.5092	933
2264494	acb	Mastering the art of French cooking Volume two	641.5944	767
2351268	acb	My life in France	641.5092	567
2632574	acb	French women dont get fat cookbook	641.5635	387
2313410	acb	cooking of southwest France recipes from Frances magnificent rustic cuisine	641.59447	336
2927140	acb	French market cookbook vegetarian recipes from my Parisian kitchen	641.5636	334
2306178	acb	Confessions of a French baker breadmaking secrets tips and recipes	641.815	330
1864777	acb	cook and the gardener a year of recipes and writings from the French countryside	641.65	296
2457918	acb	country cooking of France	641.5944	292

Already we see that the results for French cuisine are blowing the others out of the water. The top four results have more check-ins than the top result of any of the other cuisines.

COUNT(DISTINCT bibNumb...	COUNT(bibNumb...
▶ 293	▶ 31211

However, French food has fewer distinct bibNumbers than Italian (423) and slightly fewer total check-ins (compared to 34182 for Italian). Basically, there are a handful of French food-related books and DVDs that are disproportionately popular (most of them are by Julia Child, the preeminent French food writer in the US and one of the first widely-regarded TV cooking personalities; her *Mastering the Art of French Cooking* was published in the 1960s and remains extremely popular). I am not surprised that French cuisine is very popular overall — French food likely has a longer history in the US than Chinese or Mexican food, though Chinese and Mexican restaurants are likely more prevalent and/or more accessible nowadays than French restaurants. (In a similar vein: there are Chinese and Mexican fast food restaurants, but no French fast food restaurants.)

## 7. Thai

Here I search for title LIKE '%Thai%':

bibNumber	itemType	title	deweyClass	Counts
▶ 2938965	acb	Pok Pok food and stories from the streets homes and roadside restaurants of Thailand	641.59593	560
2680981	acb	Thai street food authentic recipes vibrant traditions	641.59593	397
2193022	acb	Thai food and cooking	641.59593	322
2119959	acb	Thai food Arharn Thai	641.59593	319
2147135	jcb	Cooking the Thai way revised and expanded to include new low fat and vegetarian recipes	641.59593	318
2985845	acb	Simple Thai food classic recipes from the Thai home kitchen	641.59593	295
2392428	acb	Curry cuisine fragrant dishes from India Thailand Vietnam and Indonesia	641.6384	246
2379139	acb	Simple Thai cookery step by step to everyones favourite Thai recipes	641.59593	245
2210060	acb	Simply Thai cooking	641.59593	242
2513370	acb	500 Chinese recipes fabulous dishes from China and classic influential recipes from the...	641.5951	234
2148815	acb	Vatchs Thai street food	641.59593	227
1750634	acb	Real vegetarian Thai	641.5636	205
2451443	acb	Modern Thai food 100 simple and delicious recipes from Sydneys famous Longrain resta...	641.59593	191
2498057	acb	Gourmet Thai in minutes over 120 inspirational recipes	641.59593	190
2535049	acb	Southeast Asian food classic and modern dishes from Indonesia Malaysia Singapore Th...	641.595	189
2600519	acb	elements of life a contemporary guide to Thai recipes and traditions for healthier living	641.59593	183

COUNT(DISTINCT bibNumb...	COUNT(bibNumb...
▶ 76	▶ 7971

Thai food appears moderately popular, falling in between Greek and Japanese food in terms of the numbers of distinct items and the total check-ins.

## 8. Spanish

I search for (title LIKE '%Spain%' OR title LIKE '%Spanish%'):

bibNumber	itemType	title	deweyClass	Counts
▶ 2510553	acdvd	Made in Spain	641.5946	400
2325736	acb	Tapas a taste of Spain in America	641.812	375
2525288	acb	Olives oranges recipes and flavor secrets from Italy Spain Cyprus and beyond	641.59822	349
2577388	acb	Tapas sensational small plates from Spain	641.812	340
2417942	acb	Tapas the little dishes of Spain	641.812	325
2574346	acdvd	Made in Spain Season 2	641.5946	269
2536613	acb	Made in Spain Spanish dishes for the American kitchen	641.5946	236
2587861	acb	Spanish Table traditional recipes and wine pairings from Spain and Portugal	641.5946	221
2701963	acb	food of Spain	641.5946	209
2333496	acb	new Spanish table	641.5946	198
2325733	acb	cuisines of Spain exploring regional home cooking	641.5946	189
2491388	acb	Spain and the world table	641.5946	174
2565394	acb	Mediterranean hot and spicy healthy fast and zesty recipes from Southern Italy Greece...	641.59182	172
2279637	acb	cocina de mamã,ã the great home cooking of Spain	641.5946	170
2301209	acb	food of Spain Portugal a regional celebration	641.5946	167
2379049	acb	La paella deliciously authentic rice dishes from Spains Mediterranean Coast	641.6318	159

COUNT(DISTINCT bibNumb...	COUNT(bibNumb...
▶ 75	▶ 6878

Spanish food is a little less popular than Thai food, with similar numbers of distinct items but about a thousand fewer check-ins overall.

## 9. Indian

For Indian cuisine, I search `title LIKE '%India%'`:

bibNumber	itemType	title	deweyClass	Counts
▶ 2471621	acb	Madhur Jaffreys quick easy Indian cooking	641.55509	844
2368126	acb	Climbing the mango trees a memoir of a childhood in India	641.5092	841
2687506	acb	Indian slow cooker 50 healthy easy authentic recipes	641.5884	744
2499282	acb	660 curries the gateway to the world of Indian cooking	641.5954	543
2662995	acb	At home with Madhur Jaffrey simple delectable dishes from India Pakistan Bangladesh...	641.5950	520
2206146	acb	From curries to kebabs recipes from the Indian spice trail	641.6384	459
2250249	acb	Indian home cooking a fresh introduction to Indian food with more than 150 recipes	641.5954	425
2435573	acb	5 spices 50 dishes simple Indian recipes using five common spices	641.5954	414
2411049	acb	Vijs elegant and inspired Indian cuisine	641.5954	385
2443904	acb	Indias vegetarian cooking	641.5636	378
1666306	acb	Madhur Jaffreys quick and easy Indian cooking	641.5954	361
2435574	acb	Six spices a simple concept of Indian cooking	641.5954	304
3134164	acb	Made in India recipes from an Indian family kitchen	641.5954	290
2618794	acb	Everyday Indian 100 fast fresh and healthy recipes	641.5954	285
2692360	acb	Street food of India the 50 greatest Indian snacks complete with recipes	641.53909	275
2573558	acb	Modern spice inspired Indian flavors for the contemporary kitchen	641.5954	261

COUNT(DISTINCT bibNumb...	COUNT(bibNumb...
▶ 156	▶ 20703

Indian food is actually very popular — the number of distinct titles is comparable to that of Chinese and Mexican food, and the number of check-ins is greater than all of the other cuisines except for Italian and French. Perhaps, there again may be a discrepancy between the popularity of Indian restaurants and Indian home cooking, or it could be that the patrons of SPL in particular have a preference for Indian food.

Now, out of curiosity, I will compare several cuisines originating from Southeast Asia, given that a lot of these cuisines have become “trendy” in recent years (previously Vietnamese, most recently Filipino). First, I will examine how the popularity of Thai food has varied over the past several years.

To determine how many Thai food books were checked in each year starting from 2006, I query:

```
SELECT
  YEAR(cin), COUNT(bibNumber)
FROM
  spl_2016.inraw
WHERE
  title LIKE '%Thai%'
  AND deweyClass >= 641
  AND deweyClass < 642
  AND YEAR(cin) BETWEEN 2006 AND 2018
GROUP BY YEAR(cin)
```

YEAR(cin)	COUNT(bibNumb...
2006	672
2007	753
2008	830
2009	1059
2010	918
2011	696
2012	373
2013	353
2014	635
2015	599
2016	440
2017	312
2018	318

It seems that Thai food peaked in popularity in 2009 and has been declining since then, except for a burst of interest in 2014-2015.

I will also look into Vietnamese food:

```
SELECT
    YEAR(cin), COUNT(bibNumber)
FROM
    spl_2016.inraw
WHERE
    title LIKE '%Viet%'
    AND deweyClass >= 641
    AND deweyClass < 642
    AND YEAR(cin) BETWEEN 2006 AND 2018
GROUP BY YEAR(cin)
```

YEAR(cin)	COUNT(bibNumb...
2006	514
2007	604
2008	765
2009	1010
2010	875
2011	748
2012	440
2013	658
2014	809
2015	718
2016	523
2017	456
2018	310

Strangely, Vietnamese food follows a similar pattern — peak in 2009, then a decline with a renewed interest in 2014-2015. Is it possible that this pattern is indicative of overall interest in cookbooks or in library borrowing habits in general? Perhaps there were certain events in 2009 and in 2014-2015 that caused more people to go to the library.

There has been a recent wave of interest in Filipino food, so I'm also curious to see how check-ins vary by year. I search using

```
SELECT
    YEAR(cin), COUNT(bibNumber)
```

```

FROM
    spl_2016.inraw
WHERE
    (title LIKE '%Filipin%'
     OR title LIKE '%Philippine%')
     AND deweyClass >= 641
     AND deweyClass < 642
     AND YEAR(cin) BETWEEN 2006 AND 2018
GROUP BY YEAR(cin)

```

YEAR(cin)	COUNT(bibNumb...
▶ 2006	97
2007	101
2008	128
2009	98
2010	85
2011	53
2012	77
2013	91
2014	167
2015	129
2016	126
2017	59
2018	93

Overall the numbers of check-ins seem to fluctuate between 50 and 130 — there is a small peak at 2008, rather than 2009 for Thai/Vietnamese. The year that saw the largest number of check-ins was 2014, at 167 — so something might have happened in the year 2014 that resulted in an increased number of check-ins for cookbooks.

I actually expected there to be a steady increase in interest — I would've imagined that the popularity of Filipino food in 2017-2018 would be more comparable to what we see for 2014-2016. Perhaps Filipino food really just lost its 'trendiness', or there was just a general downward shift in food media interest in the past couple years.

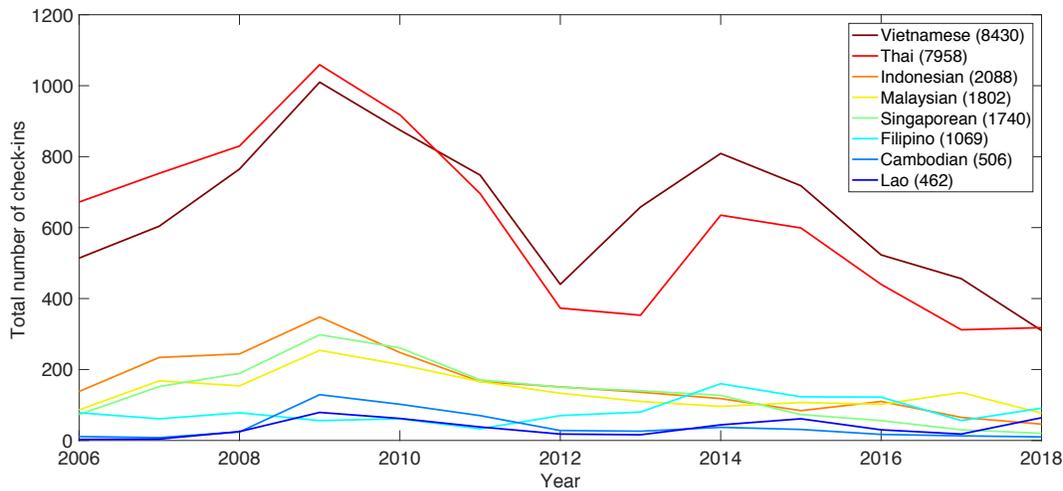
I also compared the popularity of a larger set of different Southeast Asian cuisines: Thai, Vietnamese, Filipino, Malaysian, Indonesian, Lao, Cambodia, and Singaporean:

```

SELECT
    YEAR(cin),
    COUNT(IF(title LIKE '%Thai%', 1, NULL)) AS 'Thai',
    COUNT(IF(title LIKE '%Viet%', 1, NULL)) AS 'Vietnamese',
    COUNT(IF(title LIKE '%Filipin%'
             OR title LIKE '%Philippines%',
             1,
             NULL)) AS 'Filipino',
    COUNT(IF(title LIKE '%Malay%', 1, NULL)) AS 'Malaysian',
    COUNT(IF(title LIKE '%Indonesia%', 1, NULL)) AS 'Indonesian',
    COUNT(IF(title LIKE '%Lao%', 1, NULL)) AS 'Lao',
    COUNT(IF(title LIKE '%Cambodia%', 1, NULL)) AS 'Cambodian',
    COUNT(IF(title LIKE '%Singapore%', 1, NULL)) AS 'Singaporean'
FROM
    spl_2016.inraw
WHERE
    deweyClass >= 641 AND deweyClass < 642
     AND YEAR(cin) BETWEEN 2006 AND 2018
GROUP BY YEAR(cin)

```

I exported the result as a csv and plotted it:

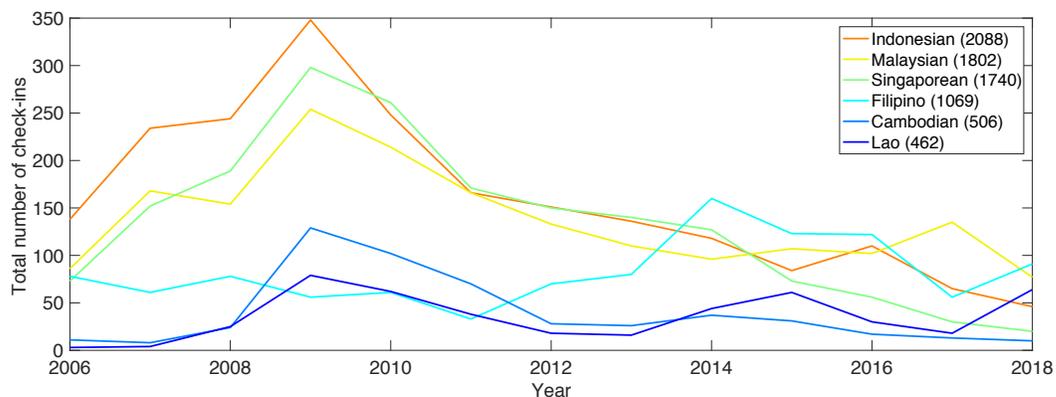


Ranked by total number of check-ins over 2006-2018, Vietnamese cuisine is the most popular, closely followed by Thai.

Thai cuisine is initially popular up until 2011, after which it was overtaken by Vietnamese cuisine, potentially an indication of its trendiness.

Both cuisines follow similar patterns: a peak in 2009, then a decline, then another peak in 2014, then a steady decline.

Isolating the other 6 less popular cuisines, Indonesian, Malaysian, and Singaporean all demonstrate similar peaks in 2009, with steady declines following.



Filipino cuisine does exhibit an increase starting from 2011, peaking in 2014 — possibly matching up with its trendiness.

Cambodian and Lao cuisines also peak in 2009. Did something happen in 2009 that stoked interest in food-related check-outs/check-ins at SPL? Or did general interest in the library, regardless of subject, peak in 2009?

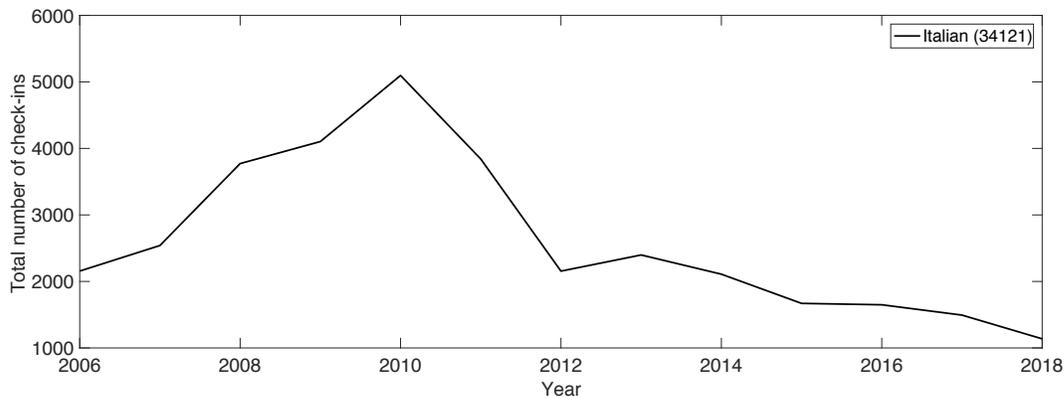
I'm also interested in correlating these results with the populations of the respective ethnic groups in the

US. However, these results may be skewed by the regional preferences of the Seattle area — certain ethnic groups may have a relatively larger or smaller population in Seattle — and I might need to constrain my demographic data to just Seattle.

Let's compare this to Italian cuisine, which I would expect to be steadily popular across the years.

```
SELECT
    YEAR(cin),
    COUNT(IF(title LIKE '%Italy%'
            OR title LIKE '%Itali%',
            1,
            NULL)) AS 'Italian'
FROM
    spl_2016.inraw
WHERE
    deweyClass >= 641 AND deweyClass < 642
    AND YEAR(cin) BETWEEN 2006 AND 2018
GROUP BY YEAR(cin)
```

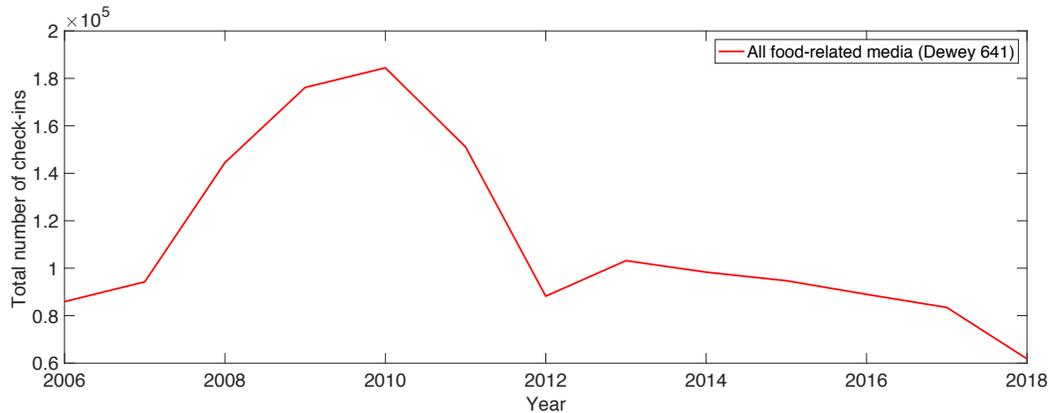
YEAR(cin)	COUNT(bibNumb...
2006	2156
2007	2540
2008	3772
2009	4103
2010	5097
2011	3841
2012	2155
2013	2398
2014	2109
2015	1670
2016	1649
2017	1494
2018	1137



We see here that the interest in Italian cuisine rises to a peak in 2010 and steadily declines. Perhaps this is a good baseline to compare overall interest in food media — people are checking out/in fewer food media items in the past couple years, while there was some surge of interest that occurred between 2008-2010.

To look at all food media, I search

```
SELECT
    YEAR(cin)
    COUNT(*)
FROM
    spl_2016.inraw
WHERE
    deweyClass >= 641 AND deweyClass < 642
    AND YEAR(cin) BETWEEN 2006 AND 2018
GROUP BY YEAR(cin)
```

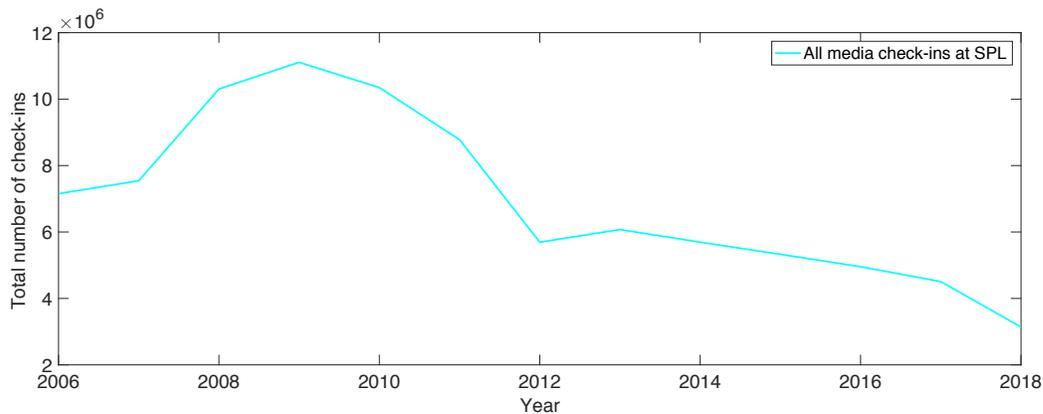


Compared with ALL food-related media with Dewey  $\geq 641$  and  $< 642$ , we observe a very similar pattern as for Italian cuisine: global max at 2010, local min at 2012, and local min at 2013. What about ALL media at SPL, though?

```

SELECT
    YEAR(cin)
    COUNT(*)
FROM
    spl_2016.inraw
WHERE
    deweyClass  $\geq$  641 AND deweyClass  $<$  642
    AND YEAR(cin) BETWEEN 2006 AND 2018
GROUP BY YEAR(cin)

```



The number of check-ins per year for all media at SPL, in fact, also follows a similar pattern to the Italian and general food-related media, though the 2009 saw the highest number of check-ins. This indicates that the interest in Italian-related food media is indicative of general food media interest, which is indicative of general SPL interest overall.

In Charticator, I looked at the number of check-ins per year between 2006-2018 for all of the original 9 most popular cuisines, using the query:

```

SELECT
  YEAR(cin),
  COUNT(IF(title LIKE '%China%'
           OR title LIKE '%Chinese%',
           1,
           NULL)) AS 'Chinese',
  COUNT(IF(title LIKE '%Mexic%', 1, NULL)) AS 'Mexican',
  COUNT(IF(title LIKE '%Italy%'
           OR title LIKE '%Itali%',
           1,
           NULL)) AS 'Italian',
  COUNT(IF(title LIKE '%Japan%', 1, NULL)) AS 'Japanese',
  COUNT(IF(title LIKE '%Greek%'
           OR title LIKE '%Greece%',
           1,
           NULL)) AS 'Greek',
  COUNT(IF(title LIKE '%France%'
           OR title LIKE '%French%',
           1,
           NULL)) AS 'French',
  COUNT(IF(title LIKE '%Thai%', 1, NULL)) AS 'Thai',
  COUNT(IF(title LIKE '%Spain%'
           OR title LIKE '%Spanish%',
           1,
           NULL)) AS 'Spanish',
  COUNT(IF(title LIKE '%India%', 1, NULL)) AS 'Indian'
FROM
  spl_2016.inraw
WHERE
  deweyClass >= 641 AND deweyClass < 642
  AND YEAR(cin) BETWEEN 2006 AND 2018
GROUP BY YEAR(cin)

```

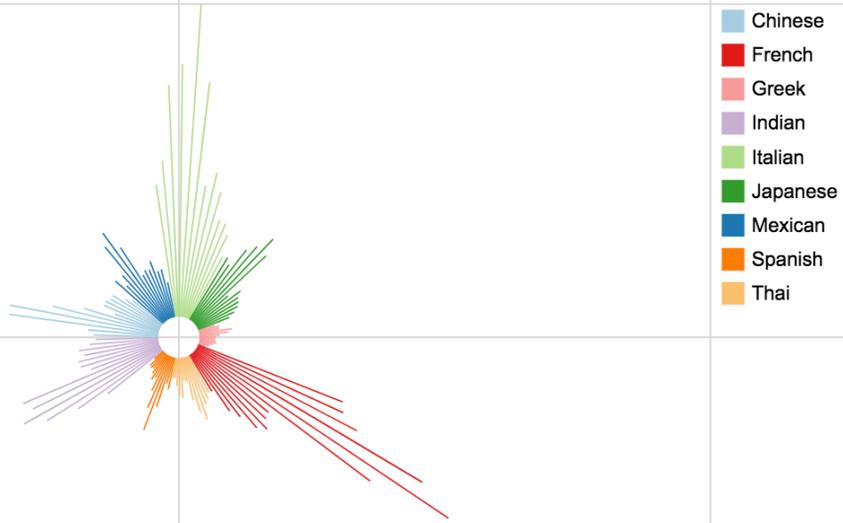
YEAR(cin)	Chinese	Mexican	Italian	Japanese	Greek	French	Thai	Spanish	Indian
2006	1033	1027	2156	1168	256	2522	672	507	1128
2007	1130	842	2540	1085	325	2599	753	426	1663
2008	2429	1009	3772	1444	316	2929	830	830	2192
2009	2452	1552	4103	1600	521	4271	1059	1260	2542
2010	1766	1753	5097	1867	447	4946	918	902	2298
2011	1260	1392	3841	1593	310	3552	696	618	2407
2012	758	813	2155	693	248	1551	373	411	1171
2013	974	872	2398	903	237	1590	353	461	1315
2014	976	849	2109	811	251	1729	635	369	1329
2015	920	970	1670	774	267	1591	599	297	1217
2016	918	776	1649	729	203	1283	440	314	1288
2017	710	785	1494	636	155	1105	312	301	1101
▶ 2018	613	557	1137	528	96	678	318	174	997

I exported the data as a csv, but I realized that it was not plotting properly. Donghao suggested that I manually reformat the data so that there were three columns: Year, Cuisine, and Number of check-ins.

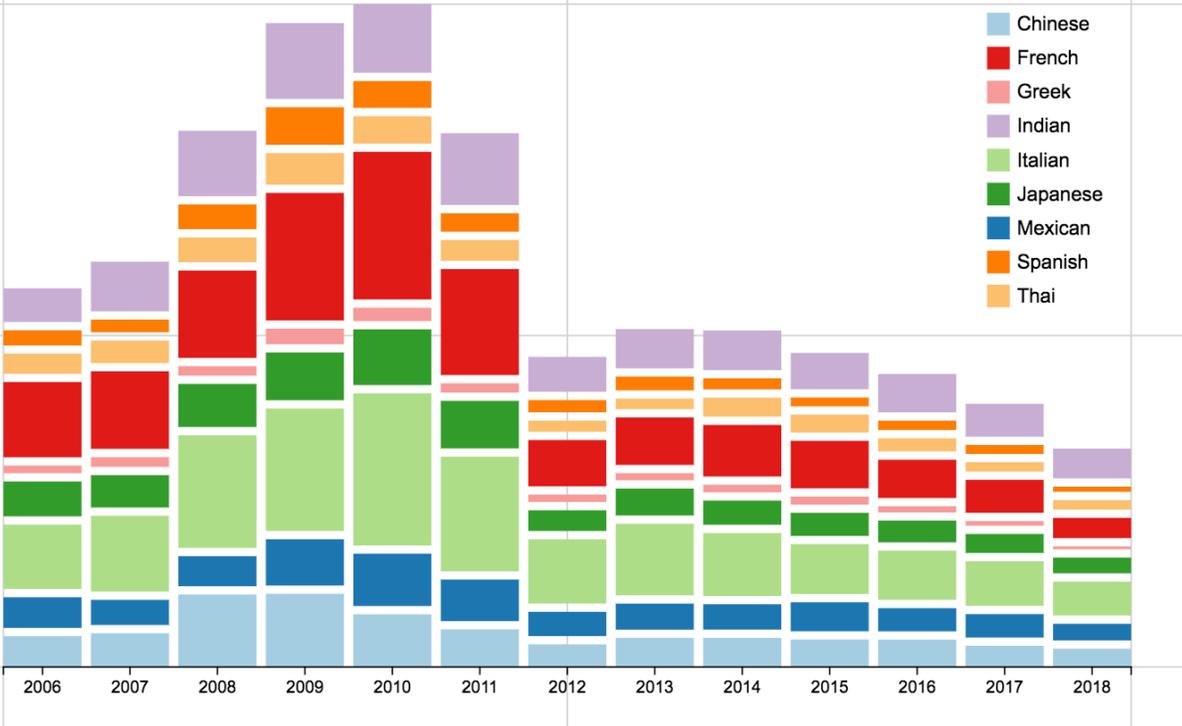
```
YEAR(cin),Counts,Country
2006,1033,Chinese
2007,1130,Chinese
2008,2429,Chinese
2009,2452,Chinese
2010,1766,Chinese
2011,1260,Chinese
2012,758,Chinese
2013,974,Chinese
2014,976,Chinese
2015,920,Chinese
2016,918,Chinese
2017,710,Chinese
2018,613,Chinese
2006,1027,Mexican
2007,842,Mexican
2008,1009,Mexican
2009,1552,Mexican
2010,1753,Mexican
2011,1392,Mexican
2012,813,Mexican
2013,872,Mexican
2014,849,Mexican
2015,970,Mexican
2016,776,Mexican
2017,785,Mexican
2018,557,Mexican
2006,2156,Italian
2007,2540,Italian
2008,3772,Italian
```

Here are some screenshots below:

Check-ins for books on various cuisines, by year



Check-ins for books on various cuisines, by year



# Check-ins for books on various cuisines, by year

