SF_to_SD_EDA

March 18, 2021

Objectives

Create a dataframe that obtains the seafood type to side dish associations and perform some exploratory data analysis on those associations.

[2]:

```
import pandas as pd
import re

#Read the structured dataframe
df_final = pd.read_pickle('../../Data/df_final.pkl')
df_final_cols = df_final.columns.values.tolist()

#Create a list of all the "SFx" columns, where x is a digit. This pulls in the␣
 ↪columns containing the
#seafood type from the structured database.
#The regular expression looks for two digits after "SF" first, then it looks␣
 ↪for one digit.
#This will only work for SF0-SF99, and will break if there are more than 99␣
 ↪seafood dishes in one meal (unlikely)
sf_cols = []
for i in range(len(df_final_cols)):
    if (re.match(r"SF\d\d", df_final_cols[i])):
        sf_cols.append(re.findall(r"SF\d\d", df_final_cols[i])[0])
    elif (re.match(r"SF\d", df_final_cols[i])):
        sf_cols.append(re.findall(r"SF\d", df_final_cols[i])[0])

#Create a list of all the "SDx" columns, where x is a digit. This pulls in the␣
 ↪columns containing the
#side dish type from the structured database.
#The regular expression looks for three digits after "SD" first, then it looks␣
 ↪for two digits, then one.
#This will only work for SD0-SD999, and will break if there are more than 999␣
 ↪seafood side dishes in one meal (unlikely)
sd_cols = []
for i in range(len(df_final_cols)):
    if (re.match(r"SD\d\d\d", df_final_cols[i])):
        sd_cols.append(re.findall(r"SD\d\d\d", df_final_cols[i])[0])
    elif (re.match(r"SD\d\d", df_final_cols[i])):
        sd_cols.append(re.findall(r"SD\d\d", df_final_cols[i])[0])
    elif (re.match(r"SD\d", df_final_cols[i])):
        sd_cols.append(re.findall(r"SD\d", df_final_cols[i])[0])

#Create the seafood to side dish associations by sequentially melting the␣
 ↪dataframe, pivoting on each SF column
df_sf_to_sd = pd.DataFrame()
#Loop over the SF columns to pivot the associations
for i in sf_cols:
    #Temporary storage of the Df columns. The columns will be used to filter␣
 ↪the DF
    #This line is used to reset at start of loop.
    df_cols_temp = []
    #Append the DF columns with the SD columns
    for j in range(len(sd_cols)):
        df_cols_temp.append(sd_cols[j])
    #Append the DF columns with the SF pivot column
    df_cols_temp.append(i)
    #Include only SF pivot column and all SD columns
    df_temp = df_final[df_cols_temp]
    #Melt the dataframe by the SF pivot column
    df_temp = pd.melt(df_temp, id_vars=i)
    #Rename the the SF pivot column to a common name to be used in all loop␣
 ↪iterations
    #Rename variable to the sd_n, to indicate the number of side dishes for the␣
 ↪seafod type
    df_temp.rename({i: 'sf_type', 'variable': 'sd_n', 'value': 'sd_name'},␣
 ↪axis=1, inplace=True)
    #Append the result of each loop to the final dataframe
    df_sf_to_sd = df_sf_to_sd.append(df_temp)
    df_sf_to_sd = df_sf_to_sd.reset_index(drop=True)

#Remove rows that are NaN
df_sf_to_sd = df_sf_to_sd[df_sf_to_sd['sf_type'].notna()]
df_sf_to_sd = df_sf_to_sd[df_sf_to_sd['sd_name'].notna()]
```

Part 1

What is the percentage distribution of associations among the different seafood types?

[3]:

```
#Obtain number of unique side dishes for each seafood type
sf_type_unq_sd = df_sf_to_sd.groupby('sf_type')['sd_name'].nunique().
 ↪sort_values(ascending=False)

#Obtain association statistics for the unique seafood species
sf_to_sd_num = df_sf_to_sd.groupby(['sf_type','sd_name']).size().
 ↪reset_index(name='count').sort_values(by = 'count', ascending=False)
```

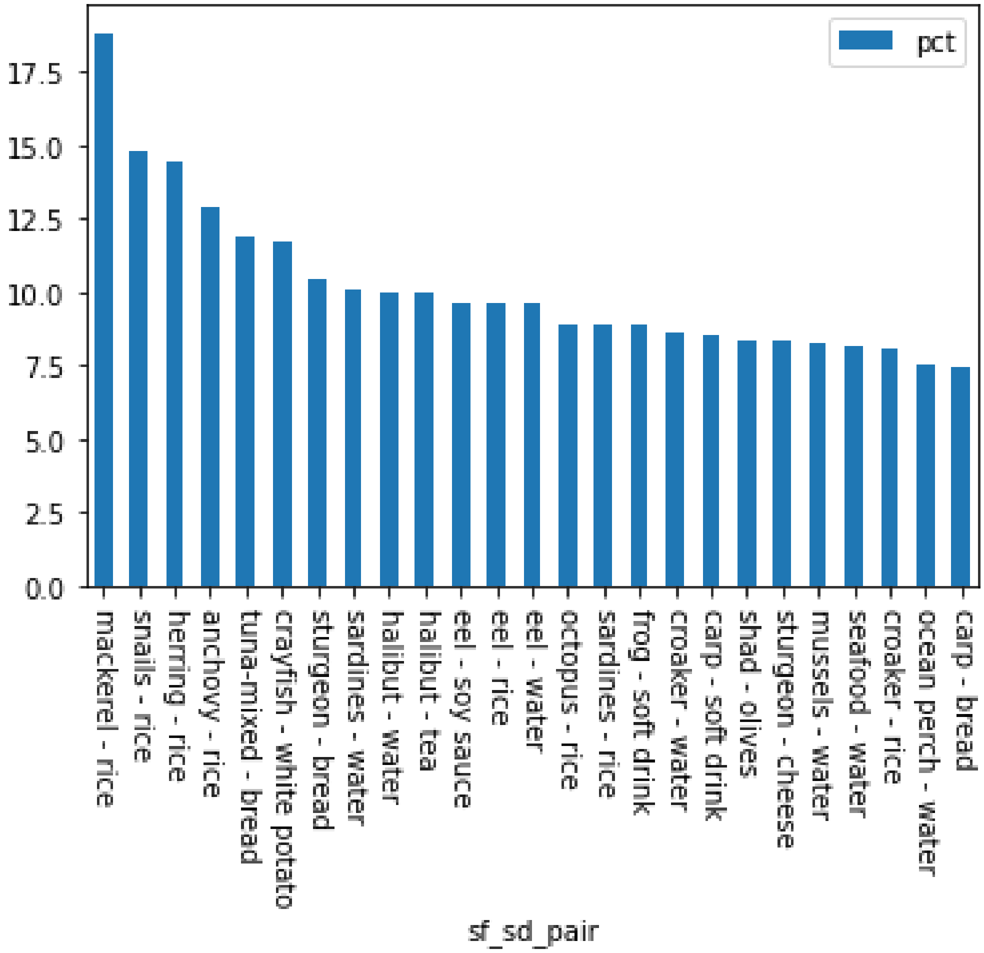
```
#Calculates the side dish total count for each seafood type, merges to␣
 ↪association df
sd_tot = sf_to_sd_num.groupby('sf_type')['count'].sum()
sf_to_sd_num = pd.merge(sf_to_sd_num, sd_tot, how='left', on=['sf_type'])
#Calculate percetange of each side type as proportion to total side dishes for␣
 ↪each seafood type
sf_to_sd_num['pct'] = (sf_to_sd_num['count_x']/sf_to_sd_num['count_y'])*100
#Sort by highest percentage
sf_to_sd_num = sf_to_sd_num.sort_values(by=['pct'], ascending=False)

sf_to_sd_num.head()
```

```
[3]:      sf_type                sd_name  count_x  count_y        pct
     3888  turtle       mixed vegetables        1        2  50.000000
     3839  turtle                  water        1        2  50.000000
     7011     ray                  water        1        3  33.333333
     6997     ray  margarine-like spread        1        3  33.333333
     7012     ray               plantain        1        3  33.333333
```

The highest percentage of associations is among cases where the total side dish count for the seafood type is very low.

```
[4]: ## Sort by highest percentage
     sf_to_sd_num_flt = sf_to_sd_num[sf_to_sd_num['count_y'] >= 20].head(25)
     sf_to_sd_num_flt['sf_sd_pair'] = sf_to_sd_num_flt['sf_type'] + ' - ' +␣
      ↪sf_to_sd_num_flt['sd_name']

     sf_to_sd_num_flt.plot.bar(x='sf_sd_pair', y='pct', rot=270)
```

```
[4]: <matplotlib.axes._subplots.AxesSubplot at 0x7fe889c902e0>
```

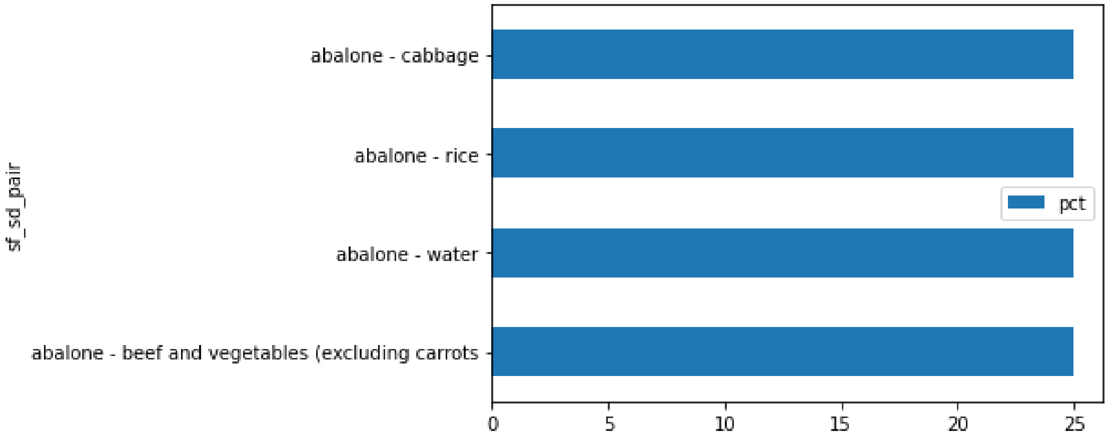


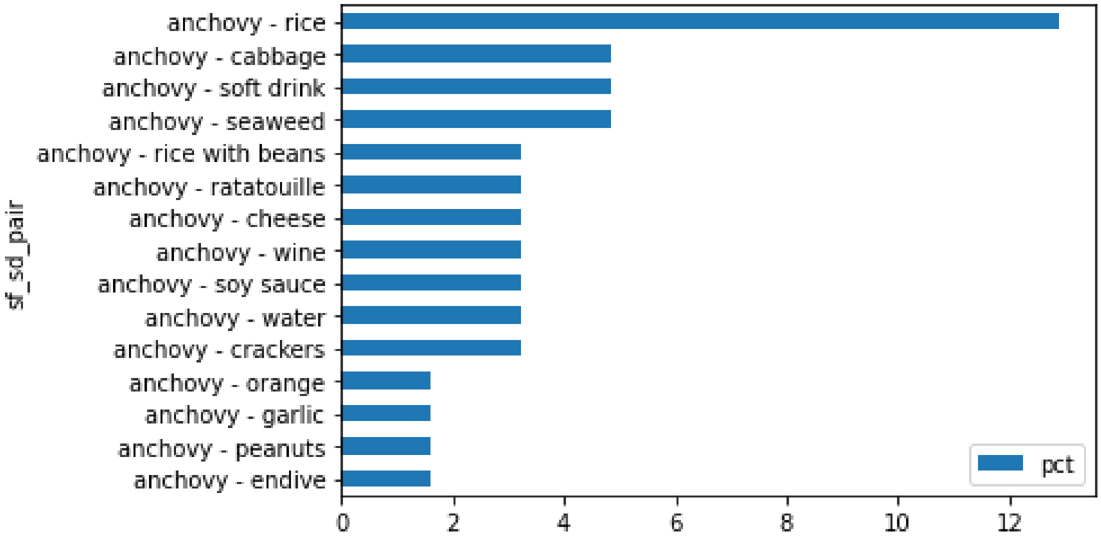
The plot above displays the top 15 associations based on percentage, for cases where there are at least 20 instances of side dishes.

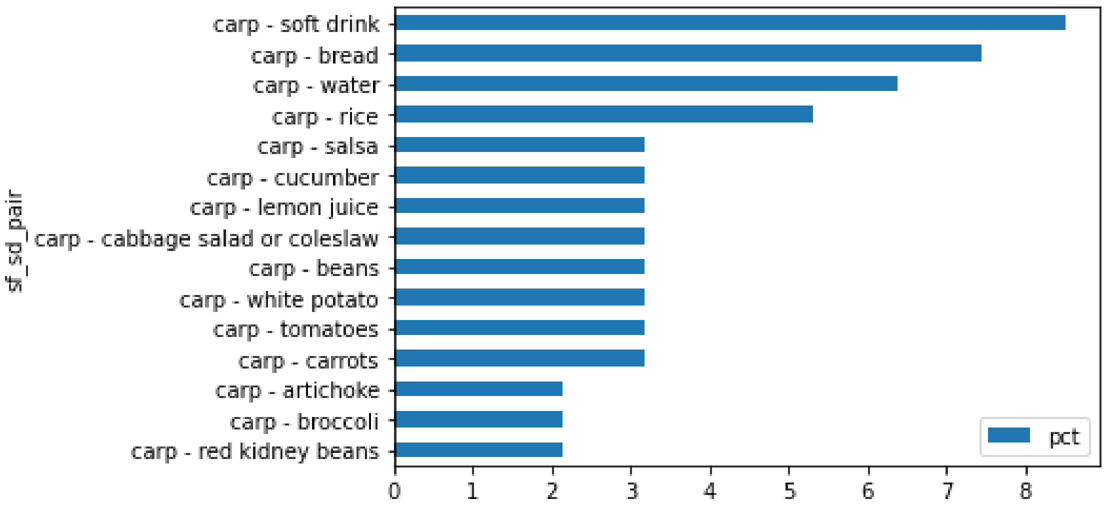
[5]:
```
sf_to_sd_num_grouped = sf_to_sd_num.groupby('sf_type')

for name,group in sf_to_sd_num_grouped:
    group = group.head(15)
    group['sf_sd_pair'] = group['sf_type'] + ' - ' + group['sd_name']
    group_plot = group.plot.barh(x='sf_sd_pair', y='pct', rot=0)
    group_plot.invert_yaxis()
```

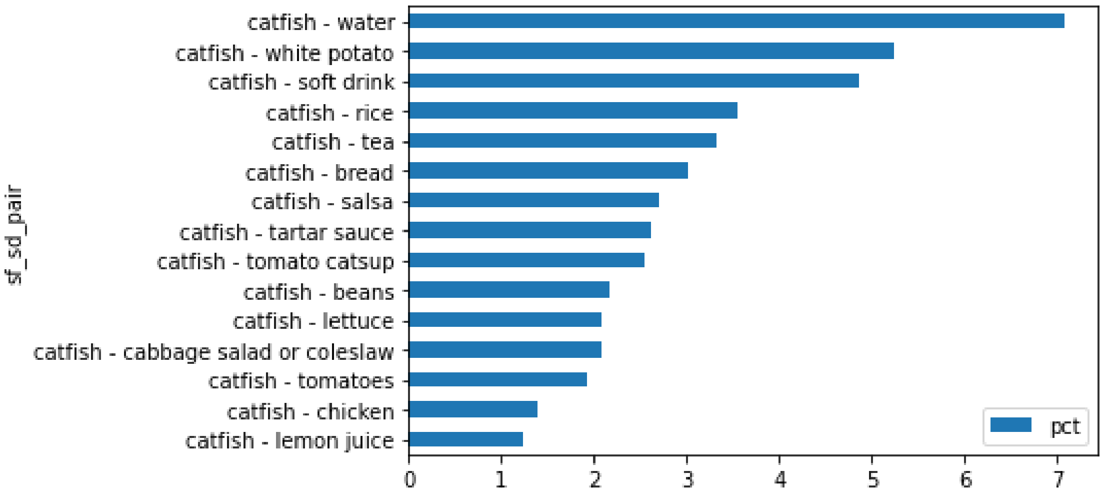
```
<ipython-input-5-f75ec8e27339>:5: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-
docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
  group['sf_sd_pair'] = group['sf_type'] + ' - ' + group['sd_name']
```

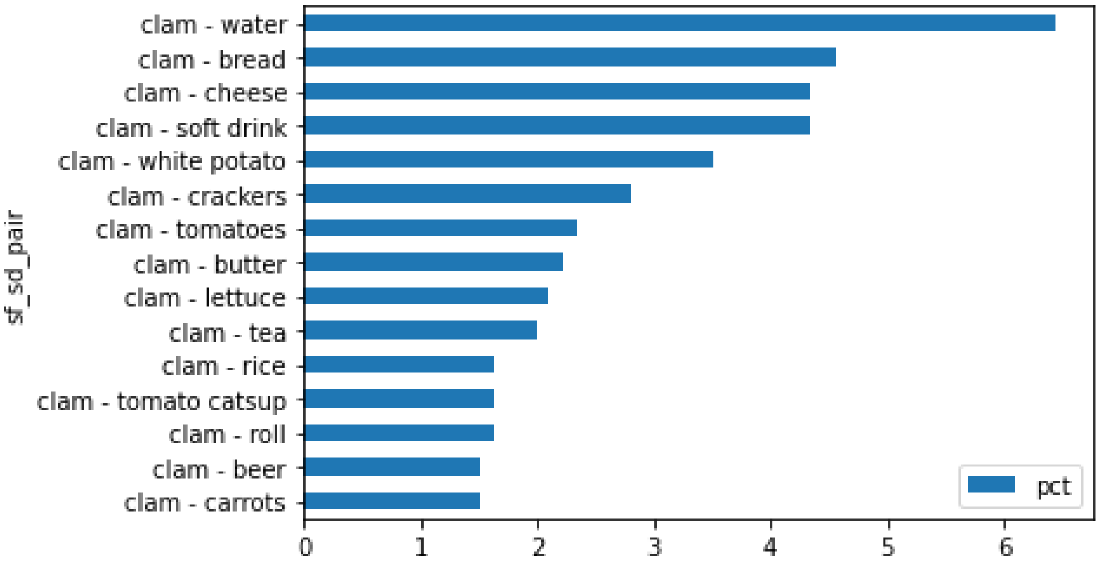
```
/Users/jori/anaconda2/lib/python3.8/site-
packages/pandas/plotting/_matplotlib/core.py:328: RuntimeWarning: More than 20
figures have been opened. Figures created through the pyplot interface
(`matplotlib.pyplot.figure`) are retained until explicitly closed and may
consume too much memory. (To control this warning, see the rcParam
`figure.max_open_warning`).
  fig = self.plt.figure(figsize=self.figsize)
```

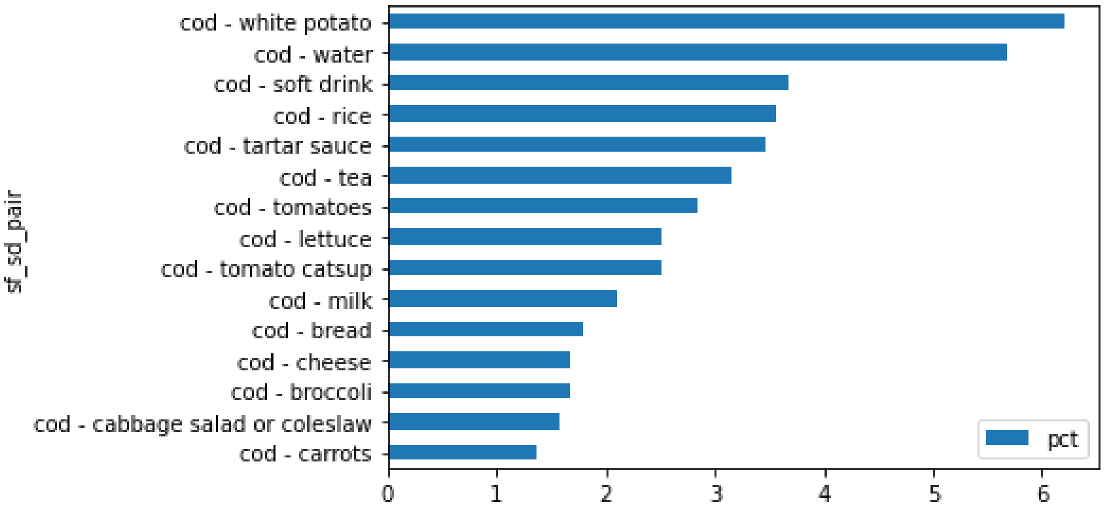


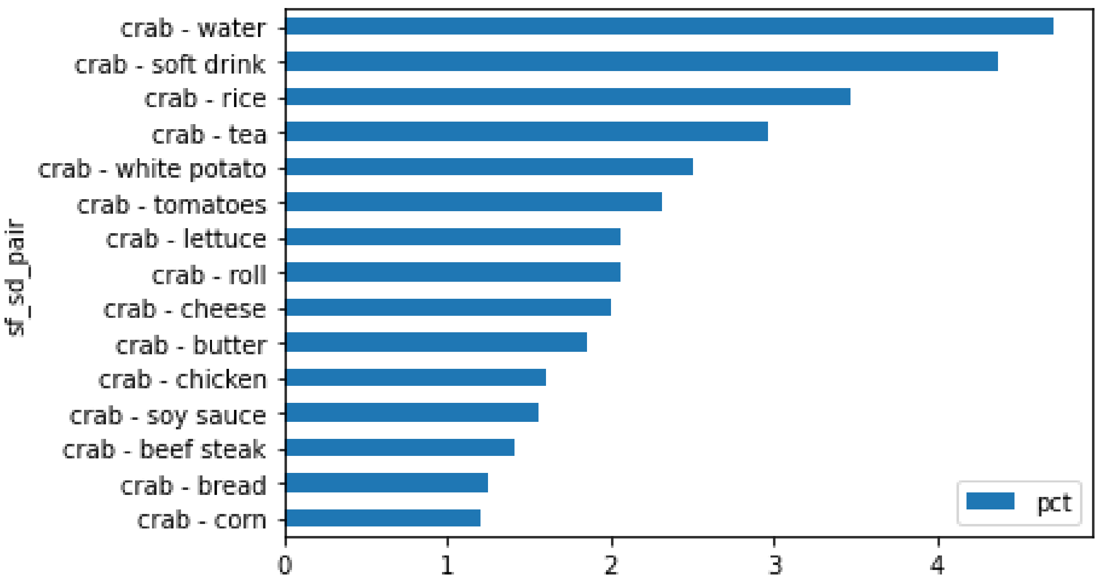


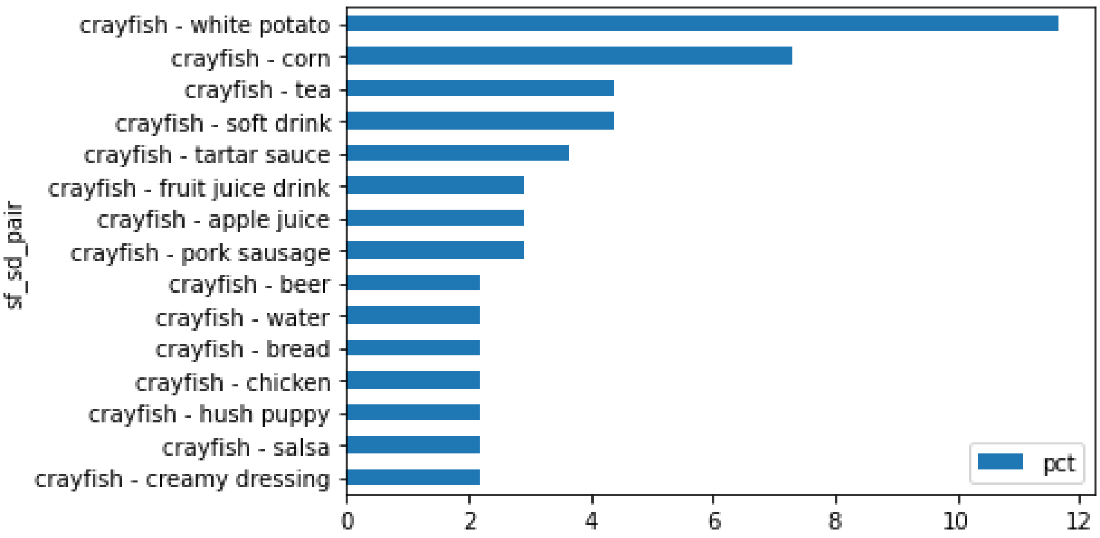

sf_sd_pair
carp - soft drink
carp - bread
carp - water
carp - rice
carp - salsa
carp - cucumber
carp - lemon juice
carp - cabbage salad or coleslaw
carp - beans
carp - white potato
carp - tomatoes
carp - carrots
carp - artichoke
carp - broccoli
carp - red kidney beans
pct
0
1
2
3
4
5
6
7
8

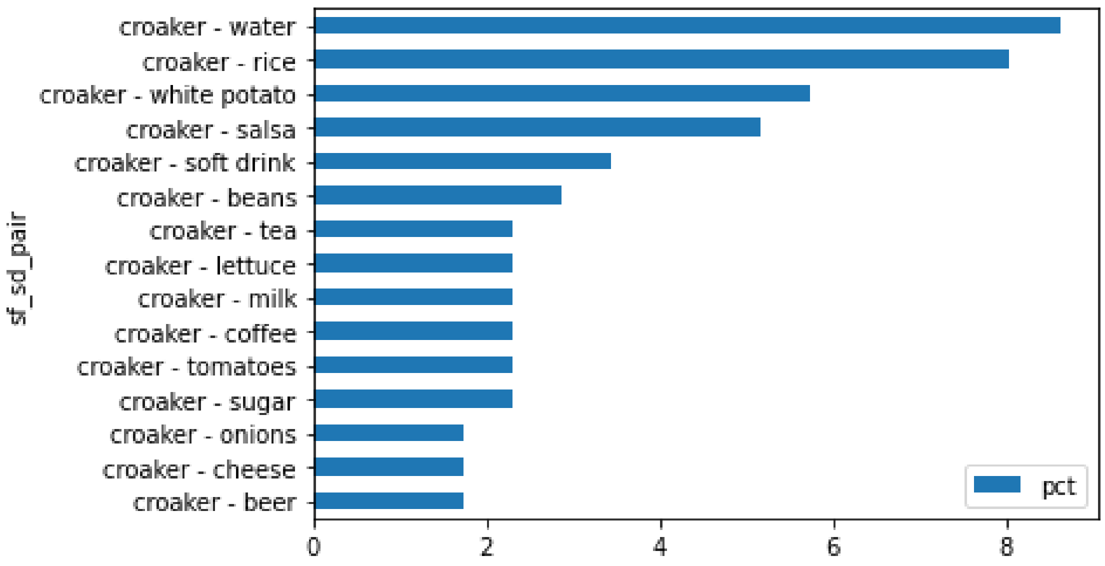

sf_sd_pair
catfish - water
catfish - white potato
catfish - soft drink
catfish - rice
catfish - tea
catfish - bread
catfish - salsa
catfish - tartar sauce
catfish - tomato catsup
catfish - beans
catfish - lettuce
catfish - cabbage salad or coleslaw
catfish - tomatoes
catfish - chicken
catfish - lemon juice
pct
0
1
2
3
4
5
6
7

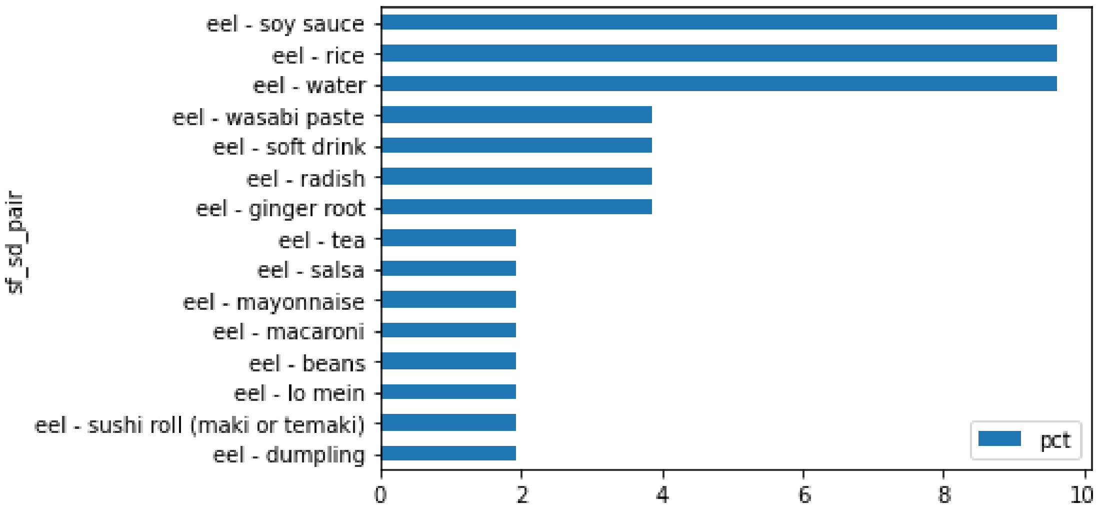

sf_sd_pair
clam - water
clam - bread
clam - cheese
clam - soft drink
clam - white potato
clam - crackers
clam - tomatoes
clam - butter
clam - lettuce
clam - tea
clam - rice
clam - tomato catsup
clam - roll
clam - beer
clam - carrots
pct
0
1
2
3
4
5
6

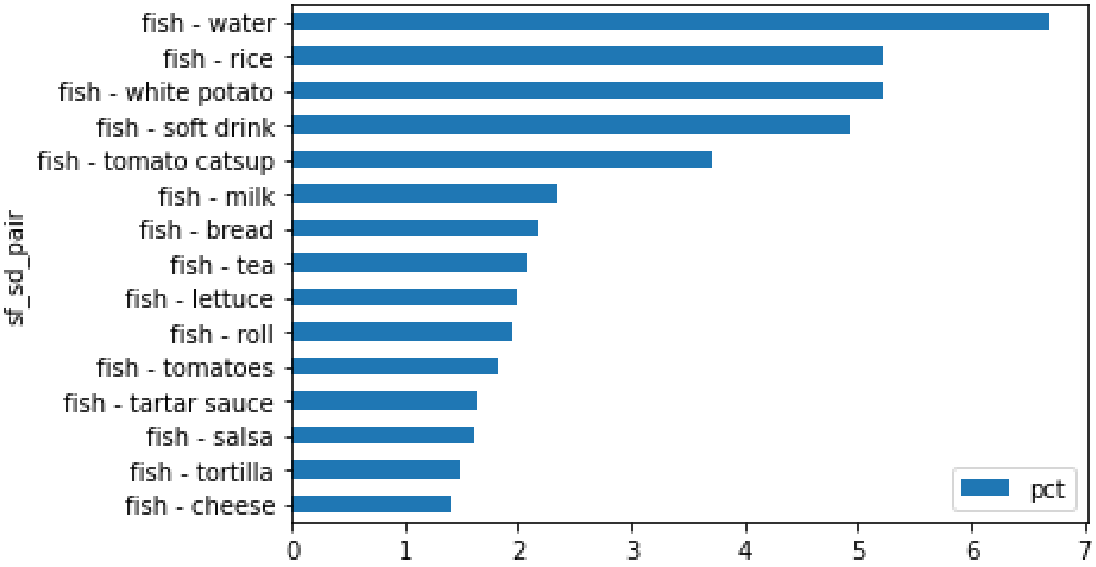

sf_sd_pair
cod - white potato
cod - water
cod - soft drink
cod - rice
cod - tartar sauce
cod - tea
cod - tomatoes
cod - lettuce
cod - tomato catsup
cod - milk
cod - bread
cod - cheese
cod - broccoli
cod - cabbage salad or coleslaw
cod - carrots
pct
0
1
2
3
4
5
6

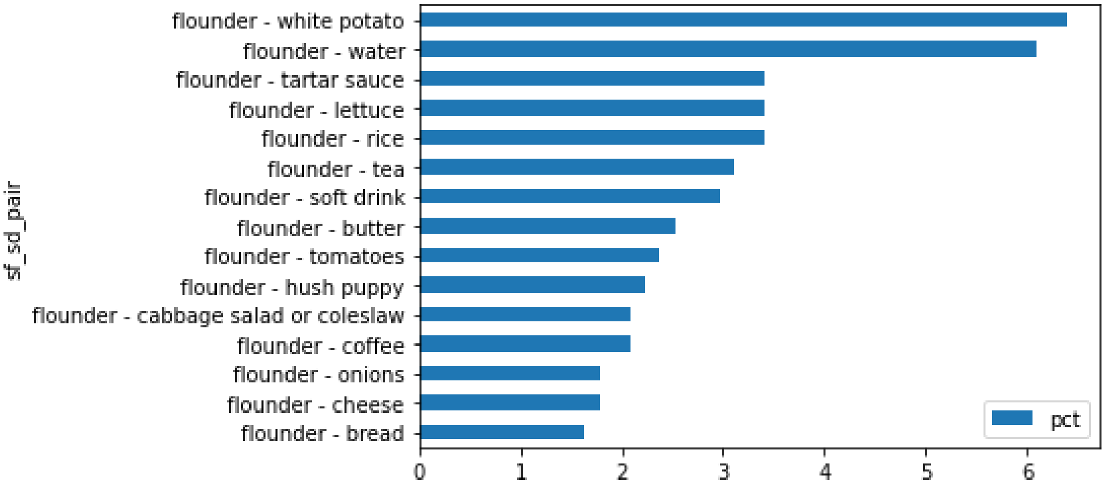

crab - water
crab - soft drink
crab - rice
crab - tea
crab - white potato
crab - tomatoes
crab - lettuce
crab - roll
crab - cheese
crab - butter
crab - chicken
crab - soy sauce
crab - beef steak
crab - bread
crab - corn
sf_sd_pair
0
1
2
3
4
pct

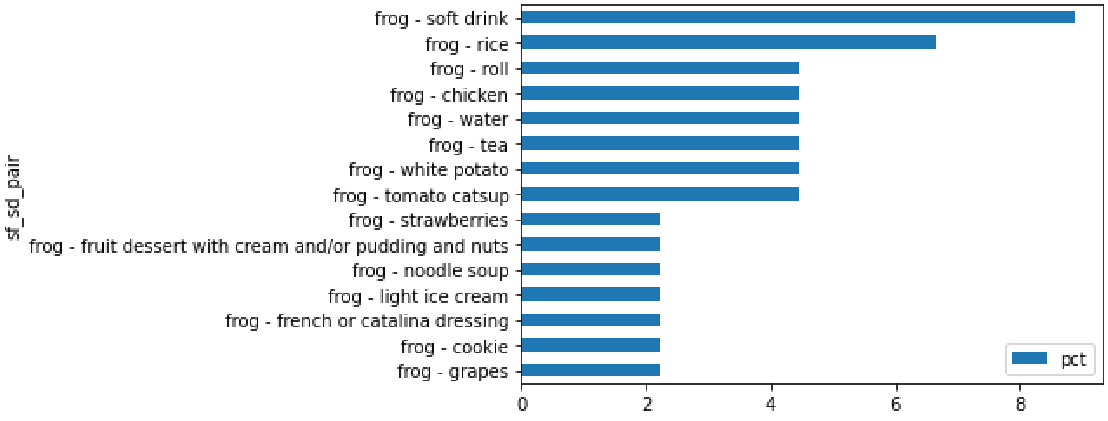

crayfish - white potato
crayfish - corn
crayfish - tea
crayfish - soft drink
crayfish - tartar sauce
crayfish - fruit juice drink
crayfish - apple juice
crayfish - pork sausage
crayfish - beer
crayfish - water
crayfish - bread
crayfish - chicken
crayfish - hush puppy
crayfish - salsa
crayfish - creamy dressing
sf_sd_pair
0
2
4
6
8
10
12
pct

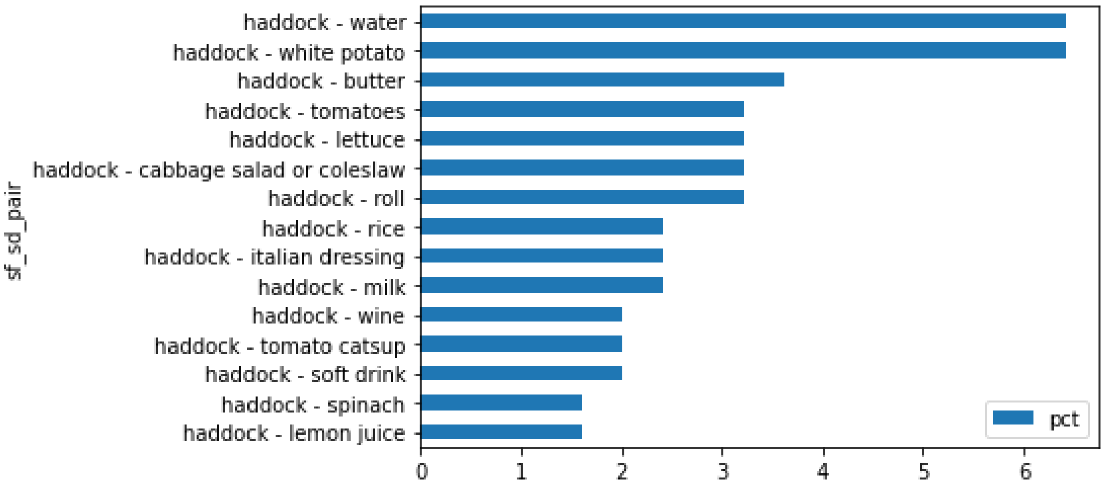

sf_sd_pair
croaker - water
croaker - rice
croaker - white potato
croaker - salsa
croaker - soft drink
croaker - beans
croaker - tea
croaker - lettuce
croaker - milk
croaker - coffee
croaker - tomatoes
croaker - sugar
croaker - onions
croaker - cheese
croaker - beer
pct
0
2
4
6
8

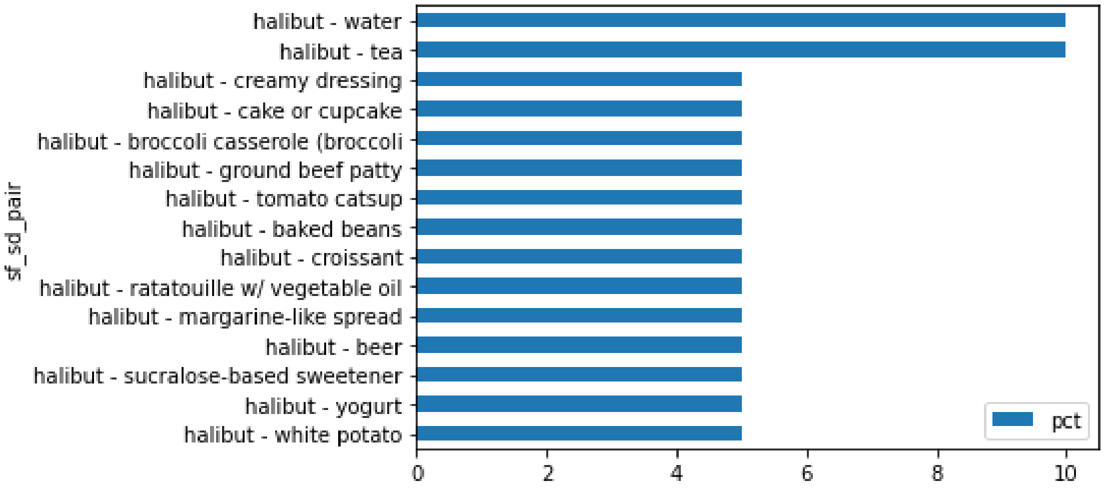

sf_sd_pair
eel - soy sauce
eel - rice
eel - water
eel - wasabi paste
eel - soft drink
eel - radish
eel - ginger root
eel - tea
eel - salsa
eel - mayonnaise
eel - macaroni
eel - beans
eel - lo mein
eel - sushi roll (maki or temaki)
eel - dumpling
pct
0
2
4
6
8
10

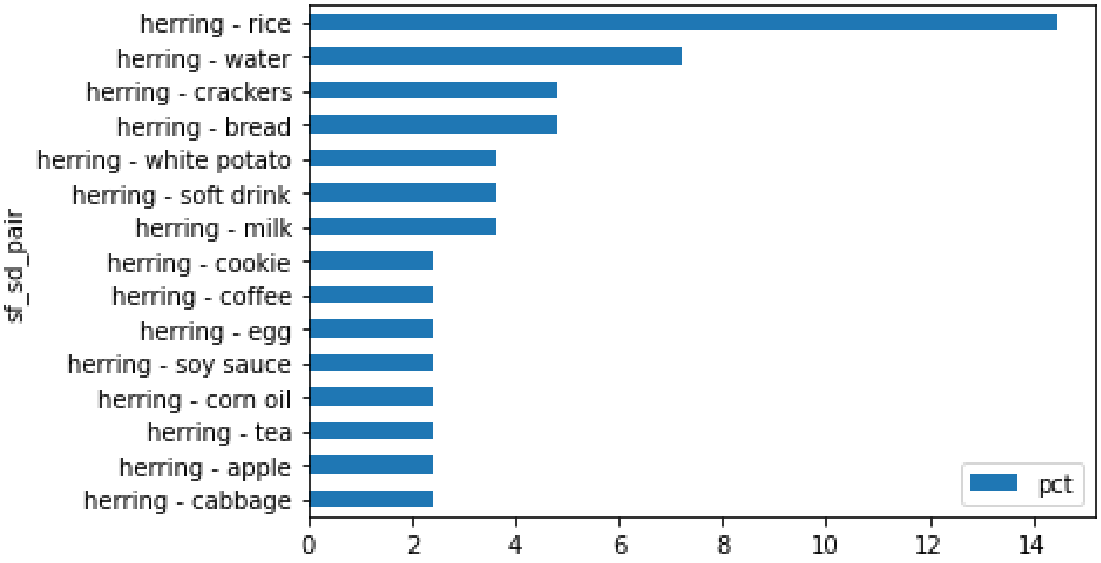

sf_sd_pair
fish - water
fish - rice
fish - white potato
fish - soft drink
fish - tomato catsup
fish - milk
fish - bread
fish - tea
fish - lettuce
fish - roll
fish - tomatoes
fish - tartar sauce
fish - salsa
fish - tortilla
fish - cheese
pct
0
1
2
3
4
5
6
7

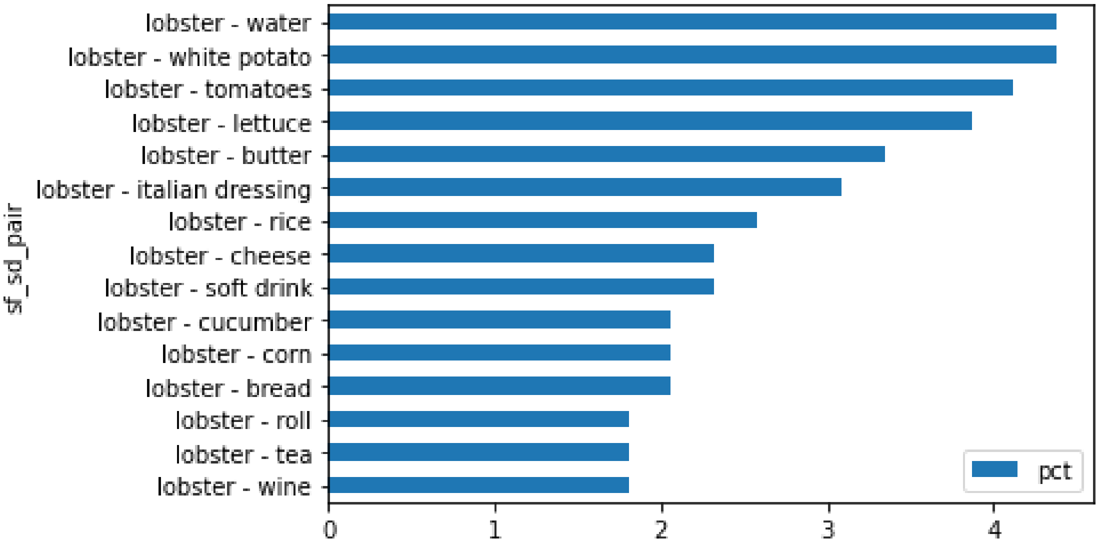

sf_sd_pair
flounder - white potato
flounder - water
flounder - tartar sauce
flounder - lettuce
flounder - rice
flounder - tea
flounder - soft drink
flounder - butter
flounder - tomatoes
flounder - hush puppy
flounder - cabbage salad or coleslaw
flounder - coffee
flounder - onions
flounder - cheese
flounder - bread
pct
0
1
2
3
4
5
6

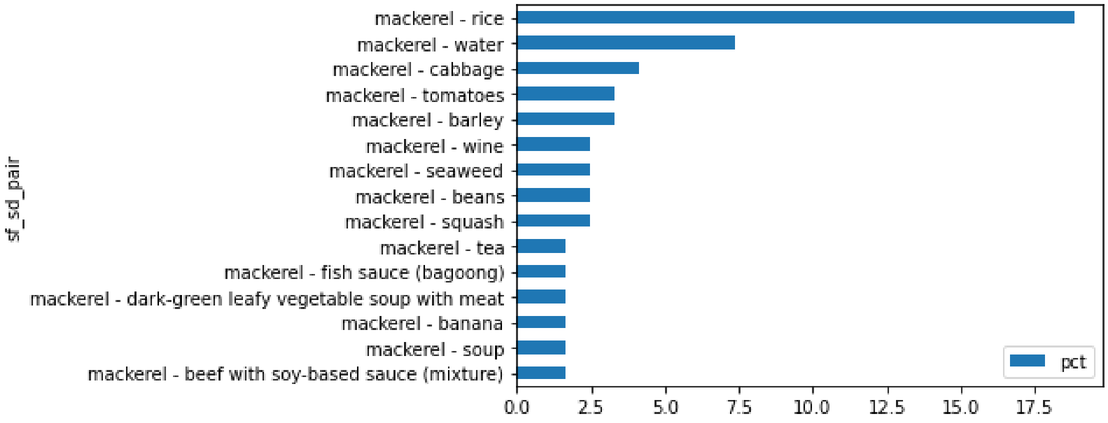

sf_sd_pair
frog - soft drink
frog - rice
frog - roll
frog - chicken
frog - water
frog - tea
frog - white potato
frog - tomato catsup
frog - strawberries
frog - fruit dessert with cream and/or pudding and nuts
frog - noodle soup
frog - light ice cream
frog - french or catalina dressing
frog - cookie
frog - grapes
pct
0
2
4
6
8

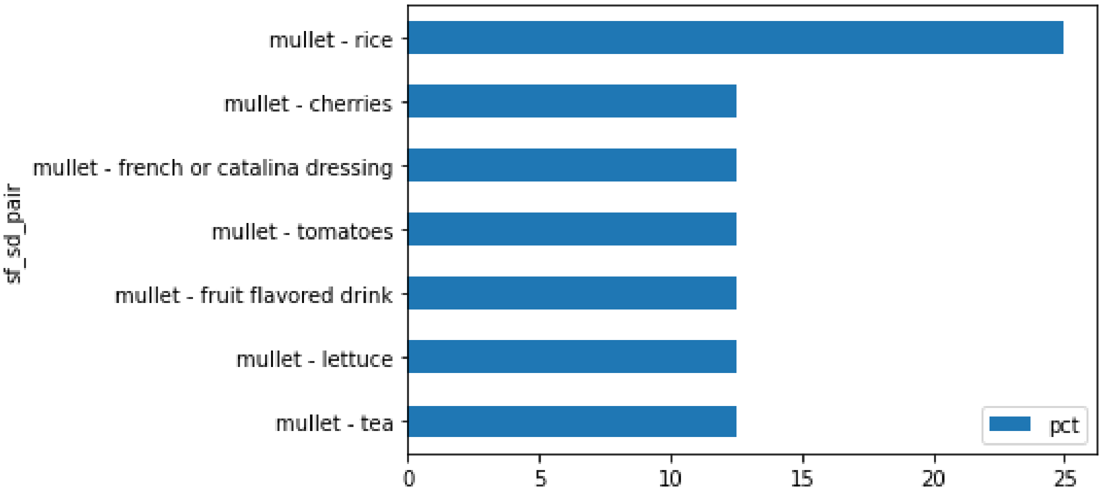

sf_sd_pair
haddock - water
haddock - white potato
haddock - butter
haddock - tomatoes
haddock - lettuce
haddock - cabbage salad or coleslaw
haddock - roll
haddock - rice
haddock - italian dressing
haddock - milk
haddock - wine
haddock - tomato catsup
haddock - soft drink
haddock - spinach
haddock - lemon juice
pct
0
1
2
3
4
5
6

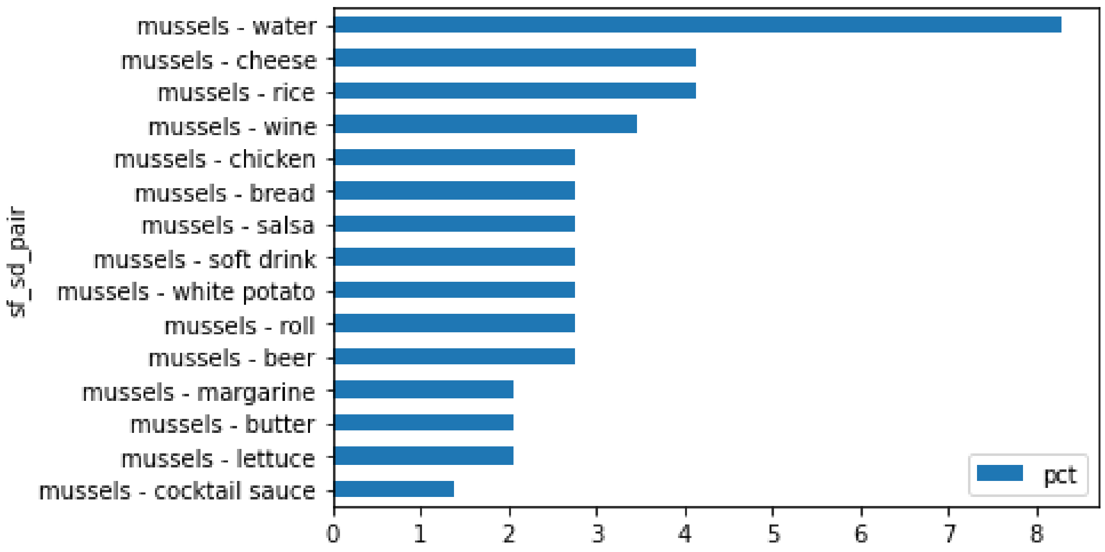

sf_sd_pair
halibut - water
halibut - tea
halibut - creamy dressing
halibut - cake or cupcake
halibut - broccoli casserole (broccoli
halibut - ground beef patty
halibut - tomato catsup
halibut - baked beans
halibut - croissant
halibut - ratatouille w/ vegetable oil
halibut - margarine-like spread
halibut - beer
halibut - sucralose-based sweetener
halibut - yogurt
halibut - white potato
pct
0
2
4
6
8
10

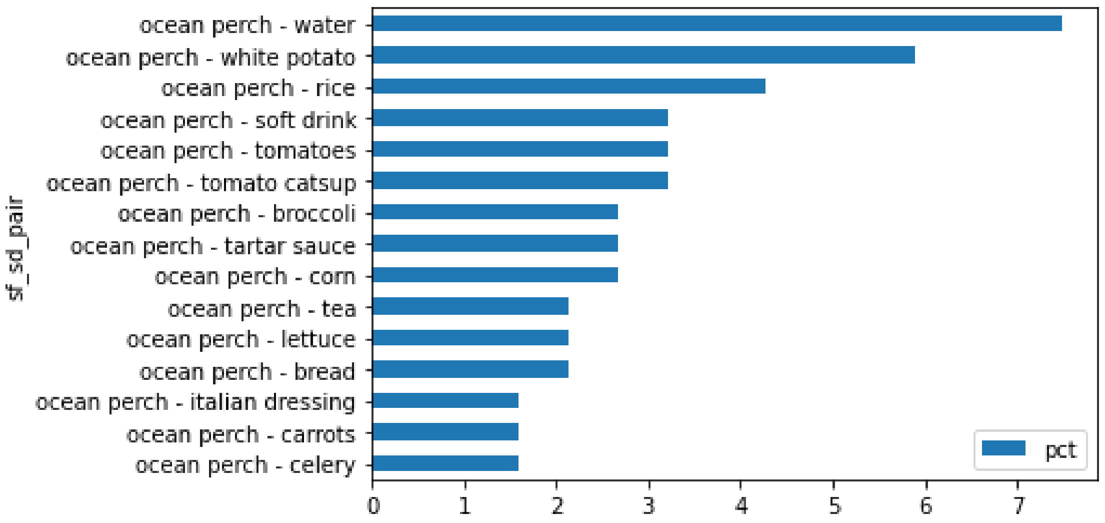

sf_sd_pair
herring - rice
herring - water
herring - crackers
herring - bread
herring - white potato
herring - soft drink
herring - milk
herring - cookie
herring - coffee
herring - egg
herring - soy sauce
herring - corn oil
herring - tea
herring - apple
herring - cabbage
pct
0
2
4
6
8
10
12
14

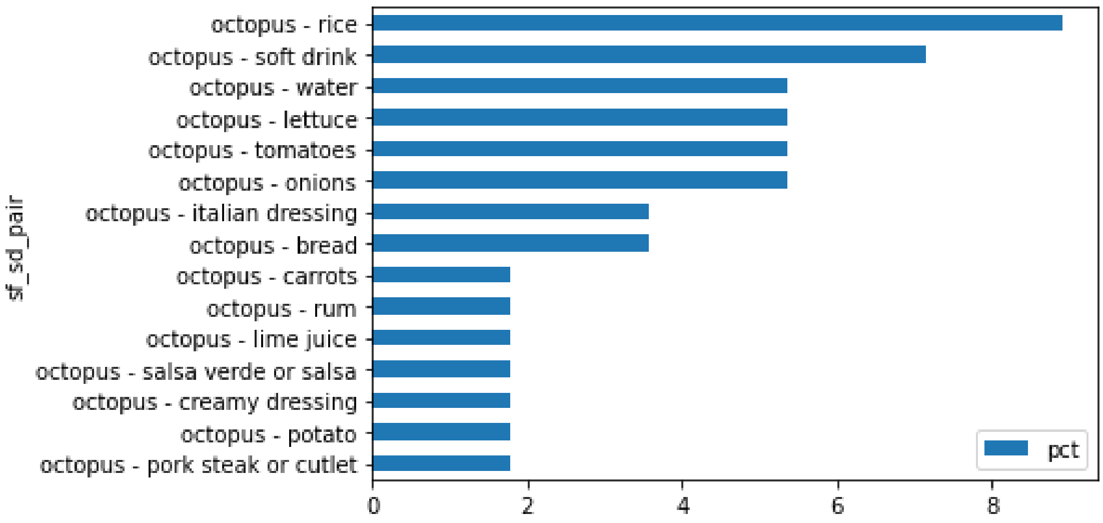

sf_sd_pair
lobster - water
lobster - white potato
lobster - tomatoes
lobster - lettuce
lobster - butter
lobster - italian dressing
lobster - rice
lobster - cheese
lobster - soft drink
lobster - cucumber
lobster - corn
lobster - bread
lobster - roll
lobster - tea
lobster - wine
pct
0
1
2
3
4

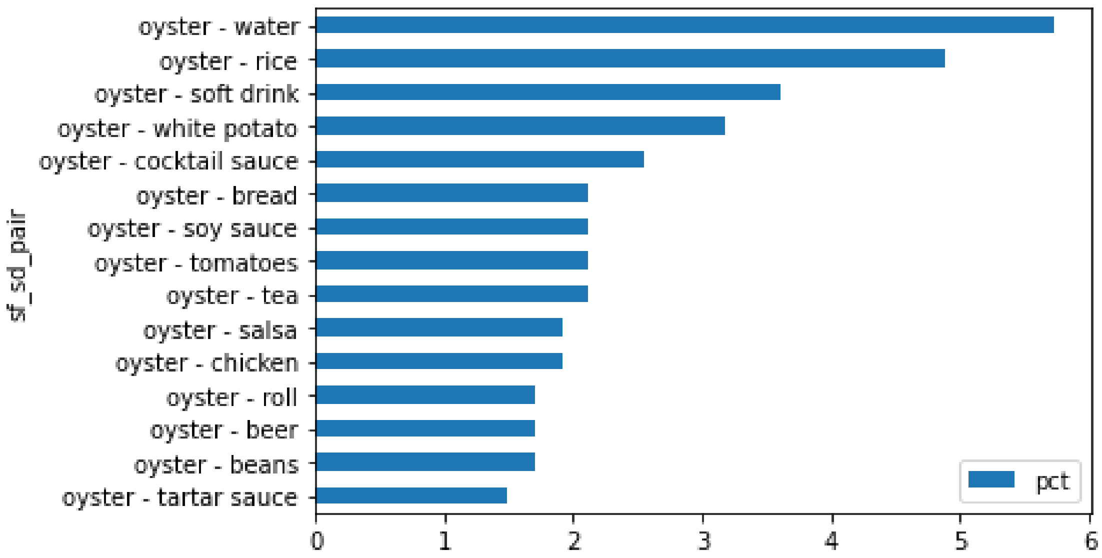

sf_sd_pair
mackerel - rice
mackerel - water
mackerel - cabbage
mackerel - tomatoes
mackerel - barley
mackerel - wine
mackerel - seaweed
mackerel - beans
mackerel - squash
mackerel - tea
mackerel - fish sauce (bagoong)
mackerel - dark-green leafy vegetable soup with meat
mackerel - banana
mackerel - soup
mackerel - beef with soy-based sauce (mixture)
pct
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5

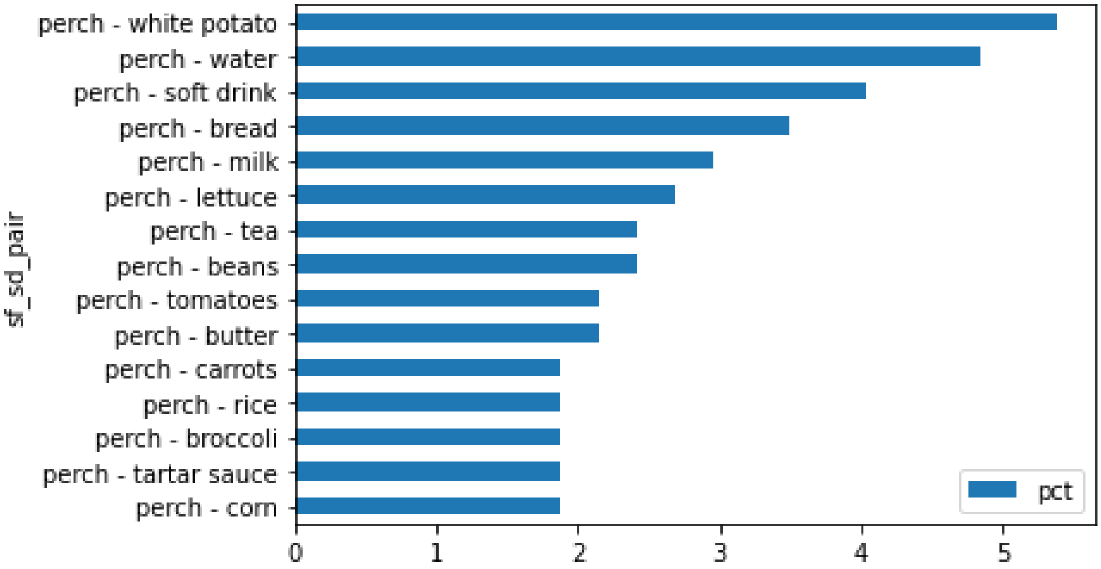

sf_sd_pair
mullet - rice
mullet - cherries
mullet - french or catalina dressing
mullet - tomatoes
mullet - fruit flavored drink
mullet - lettuce
mullet - tea
pct
0
5
10
15
20
25

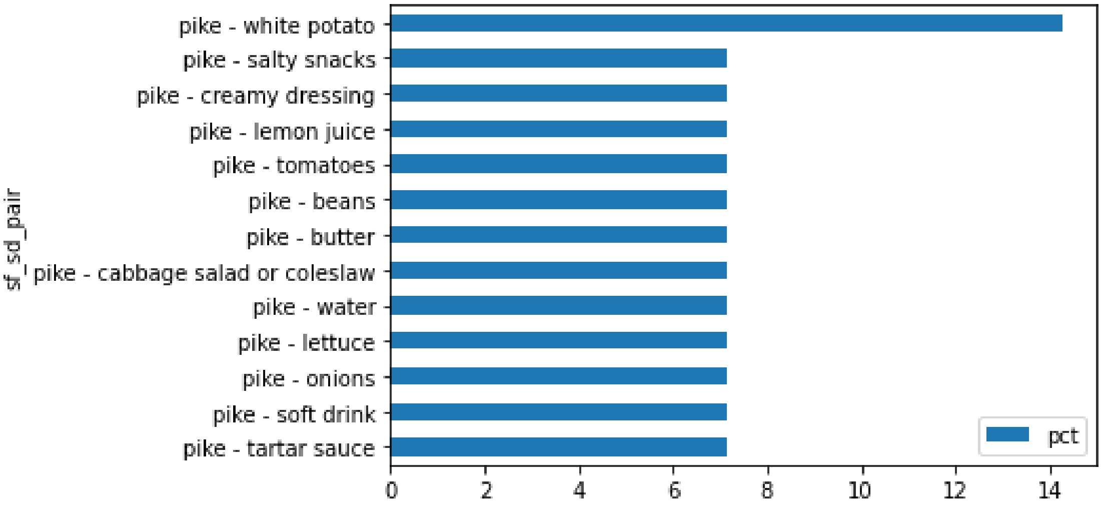

sf_sd_pair
mussels - water
mussels - cheese
mussels - rice
mussels - wine
mussels - chicken
mussels - bread
mussels - salsa
mussels - soft drink
mussels - white potato
mussels - roll
mussels - beer
mussels - margarine
mussels - butter
mussels - lettuce
mussels - cocktail sauce
pct
0
1
2
3
4
5
6
7
8

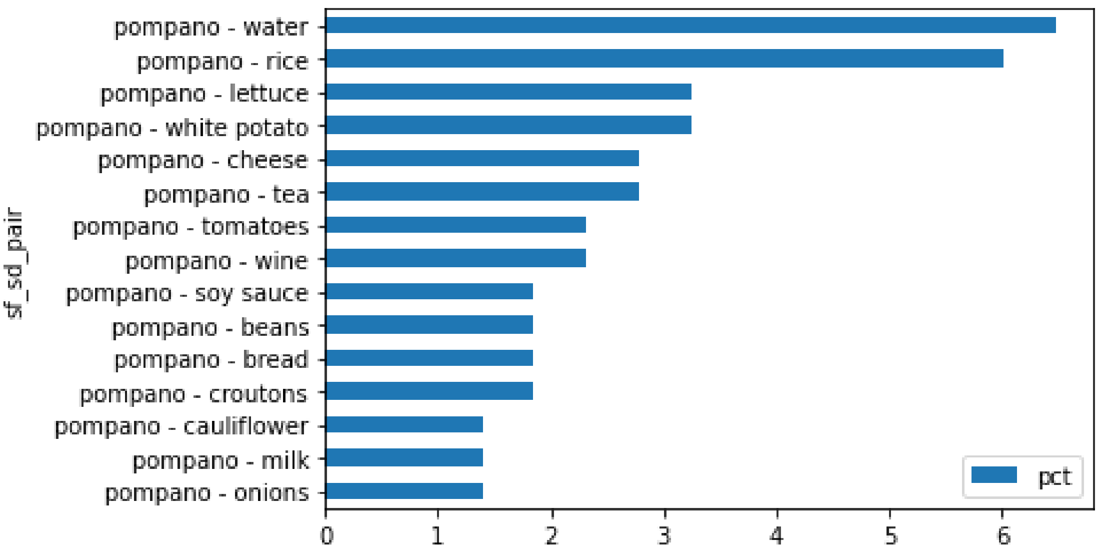

sf_sd_pair
ocean perch - water
ocean perch - white potato
ocean perch - rice
ocean perch - soft drink
ocean perch - tomatoes
ocean perch - tomato catsup
ocean perch - broccoli
ocean perch - tartar sauce
ocean perch - corn
ocean perch - tea
ocean perch - lettuce
ocean perch - bread
ocean perch - italian dressing
ocean perch - carrots
ocean perch - celery
pct
0
1
2
3
4
5
6
7

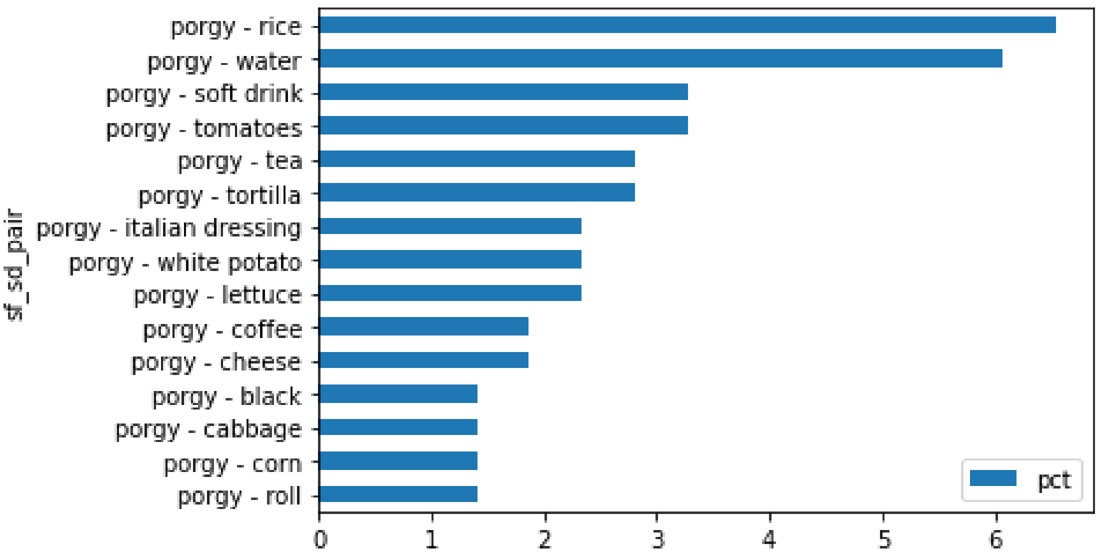

octopus - rice
octopus - soft drink
octopus - water
octopus - lettuce
octopus - tomatoes
octopus - onions
octopus - italian dressing
octopus - bread
octopus - carrots
octopus - rum
octopus - lime juice
octopus - salsa verde or salsa
octopus - creamy dressing
octopus - potato
octopus - pork steak or cutlet
sf_sd_pair
pct
0
2
4
6
8

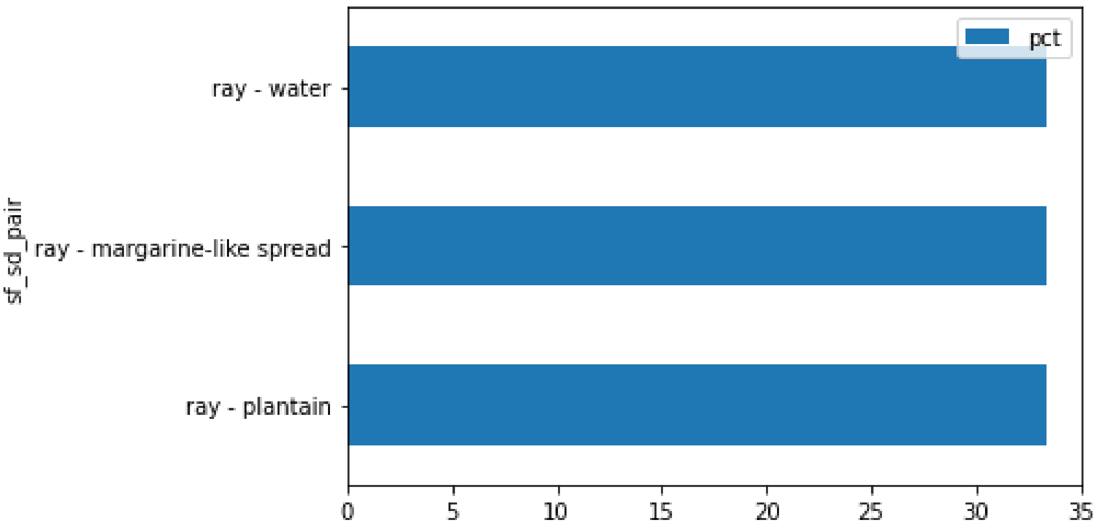

oyster - water
oyster - rice
oyster - soft drink
oyster - white potato
oyster - cocktail sauce
oyster - bread
oyster - soy sauce
oyster - tomatoes
oyster - tea
oyster - salsa
oyster - chicken
oyster - roll
oyster - beer
oyster - beans
oyster - tartar sauce
sf_sd_pair
pct
0
1
2
3
4
5
6

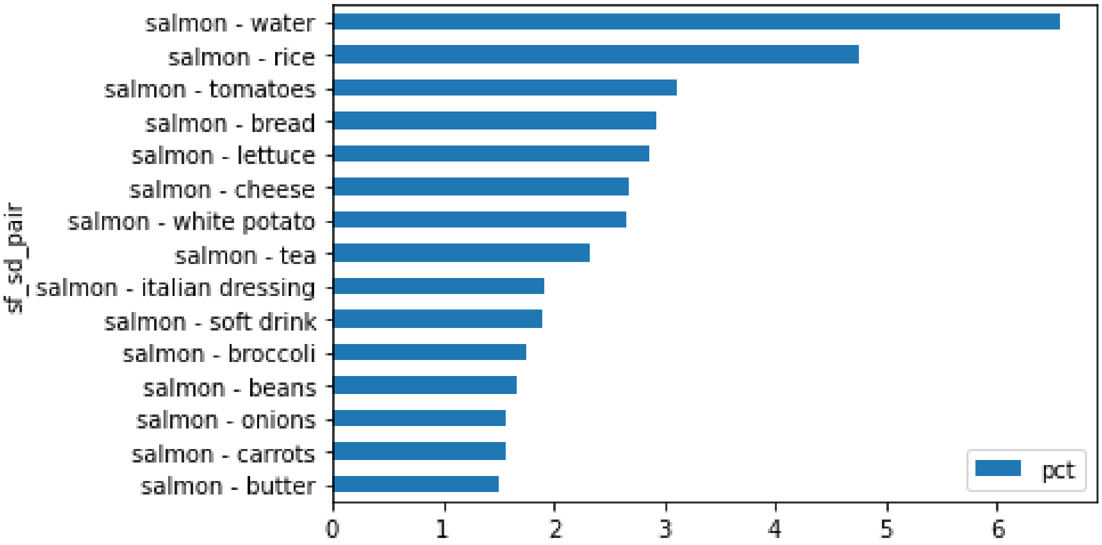

perch - white potato
perch - water
perch - soft drink
perch - bread
perch - milk
perch - lettuce
perch - tea
perch - beans
perch - tomatoes
perch - butter
perch - carrots
perch - rice
perch - broccoli
perch - tartar sauce
perch - corn
sf_sd_pair
pct
0
1
2
3
4
5

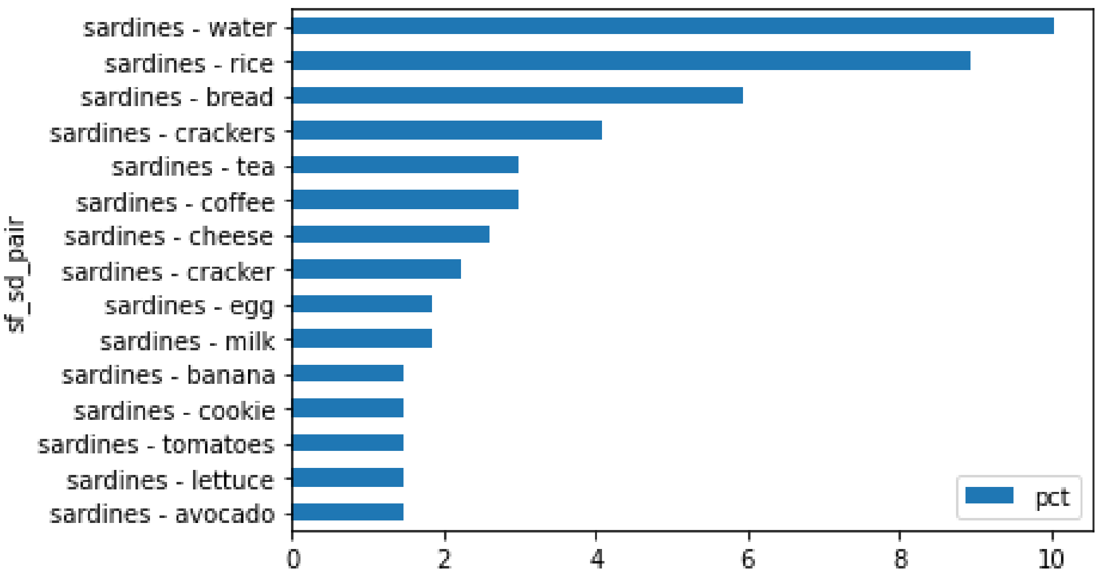

pike - white potato
pike - salty snacks
pike - creamy dressing
pike - lemon juice
pike - tomatoes
pike - beans
pike - butter
pike - cabbage salad or coleslaw
pike - water
pike - lettuce
pike - onions
pike - soft drink
pike - tartar sauce
sf_sd_pair
pct
0
2
4
6
8
10
12
14

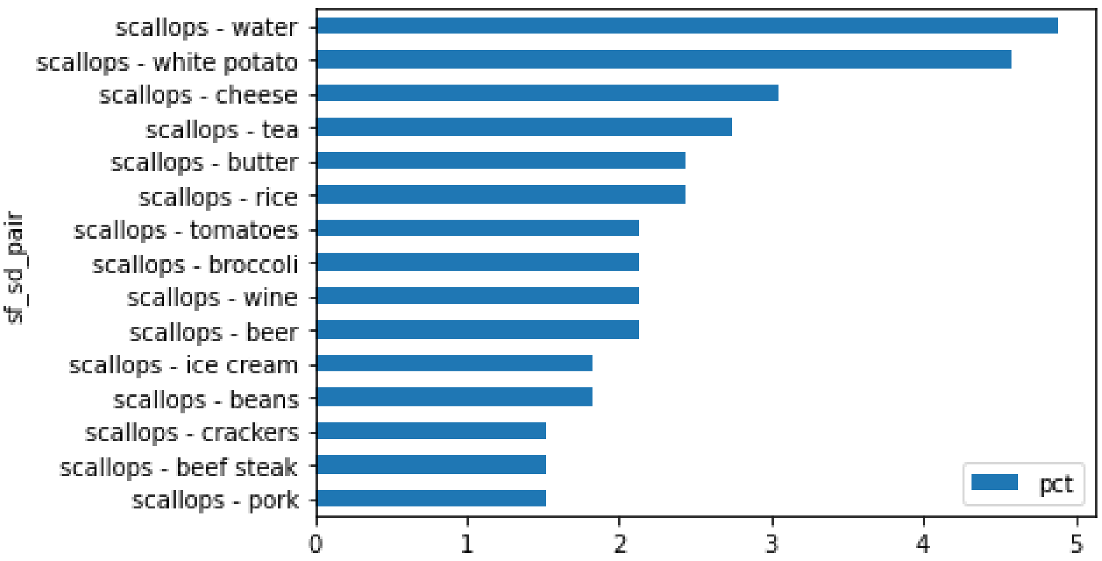

pompano - water
pompano - rice
pompano - lettuce
pompano - white potato
pompano - cheese
pompano - tea
pompano - tomatoes
pompano - wine
pompano - soy sauce
pompano - beans
pompano - bread
pompano - croutons
pompano - cauliflower
pompano - milk
pompano - onions
sf_sd_pair
pct
0
1
2
3
4
5
6

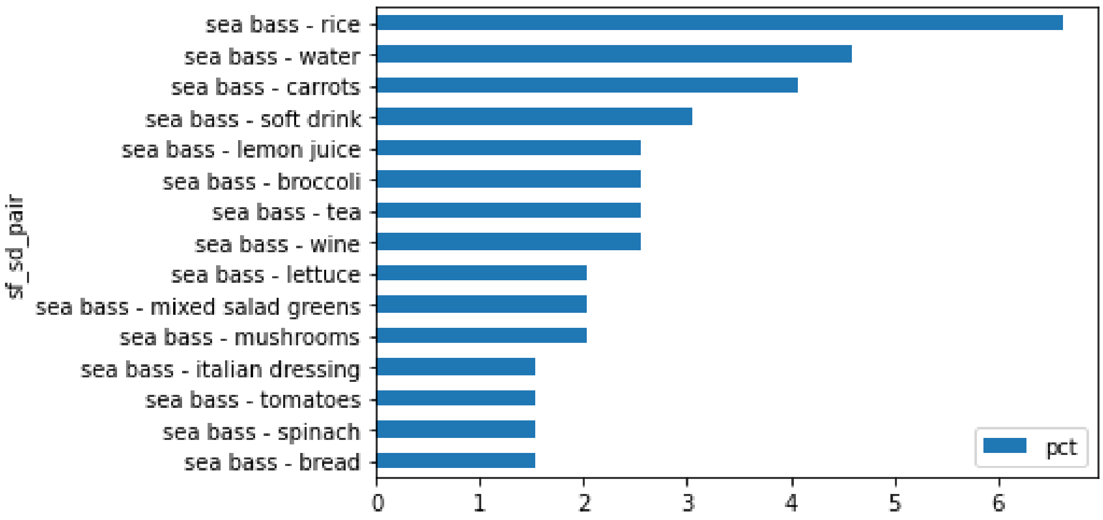

porgy - rice
porgy - water
porgy - soft drink
porgy - tomatoes
porgy - tea
porgy - tortilla
porgy - italian dressing
porgy - white potato
porgy - lettuce
porgy - coffee
porgy - cheese
porgy - black
porgy - cabbage
porgy - corn
porgy - roll
sf_sd_pair
pct
0
1
2
3
4
5
6

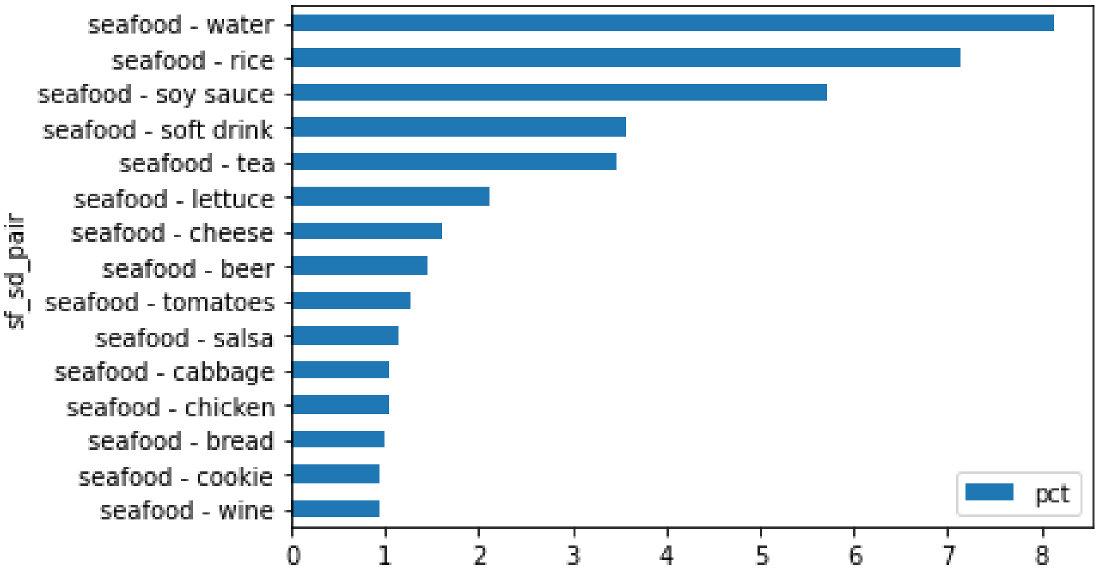

pct
ray - water
ray - margarine-like spread
ray - plantain
sf_sd_pair
0
5
10
15
20
25
30
35

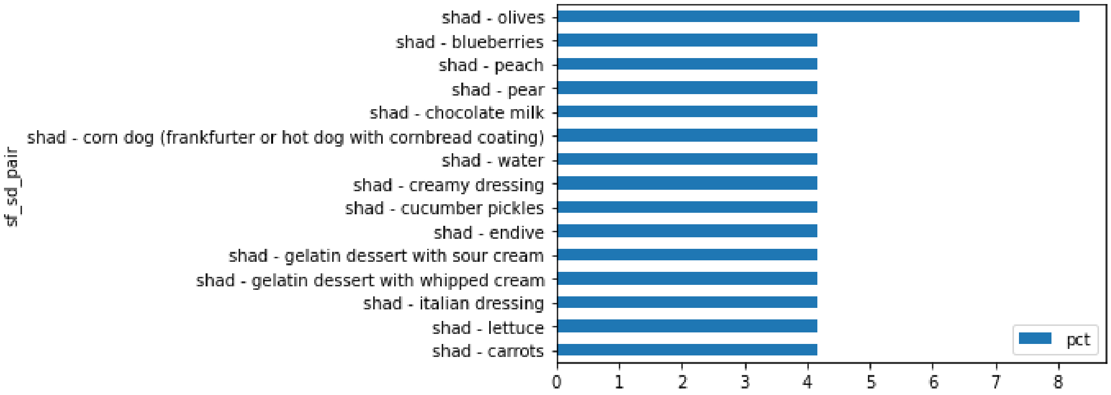

salmon - water
salmon - rice
salmon - tomatoes
salmon - bread
salmon - lettuce
salmon - cheese
salmon - white potato
salmon - tea
salmon - italian dressing
salmon - soft drink
salmon - broccoli
salmon - beans
salmon - onions
salmon - carrots
salmon - butter
sf_sd_pair
pct
0
1
2
3
4
5
6

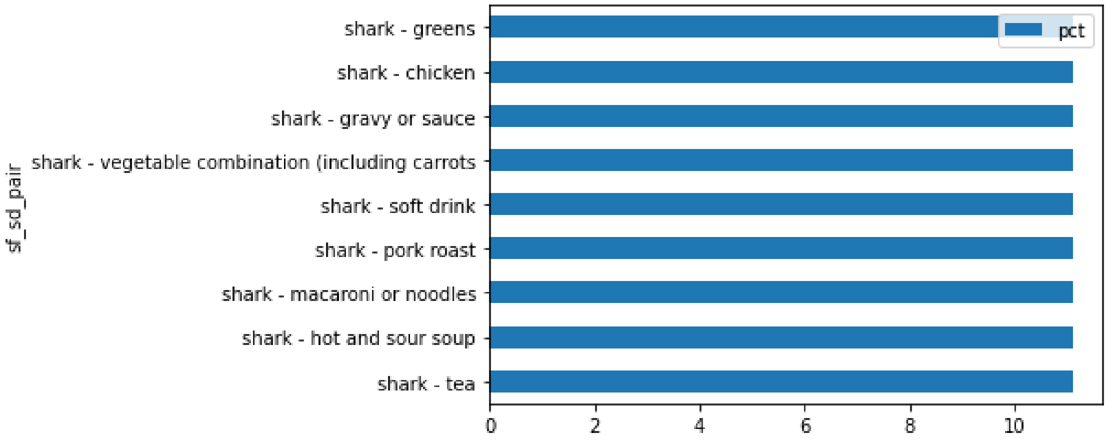

sf_sd_pair
sardines - water
sardines - rice
sardines - bread
sardines - crackers
sardines - tea
sardines - coffee
sardines - cheese
sardines - cracker
sardines - egg
sardines - milk
sardines - banana
sardines - cookie
sardines - tomatoes
sardines - lettuce
sardines - avocado
pct
0
2
4
6
8
10

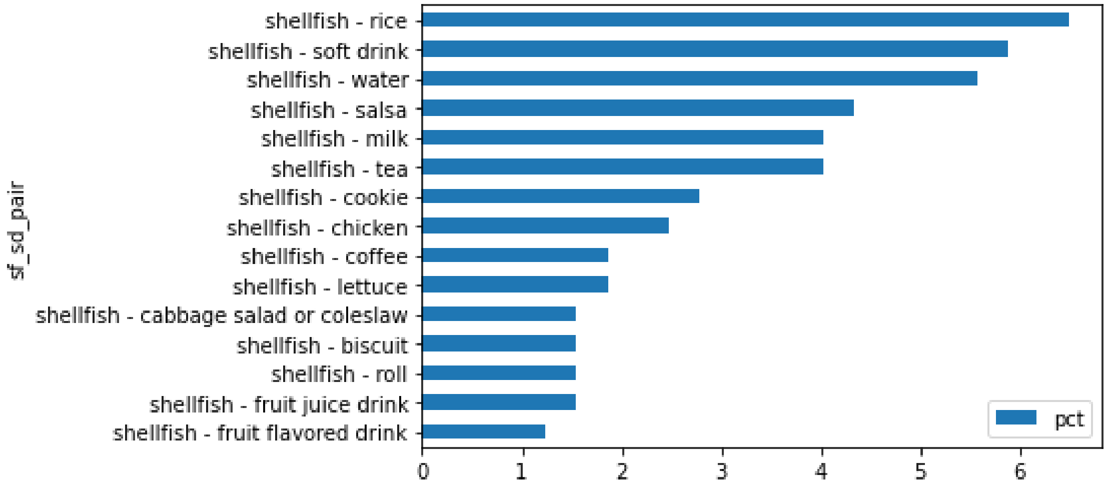

sf_sd_pair
scallops - water
scallops - white potato
scallops - cheese
scallops - tea
scallops - butter
scallops - rice
scallops - tomatoes
scallops - broccoli
scallops - wine
scallops - beer
scallops - ice cream
scallops - beans
scallops - crackers
scallops - beef steak
scallops - pork
pct
0
1
2
3
4
5

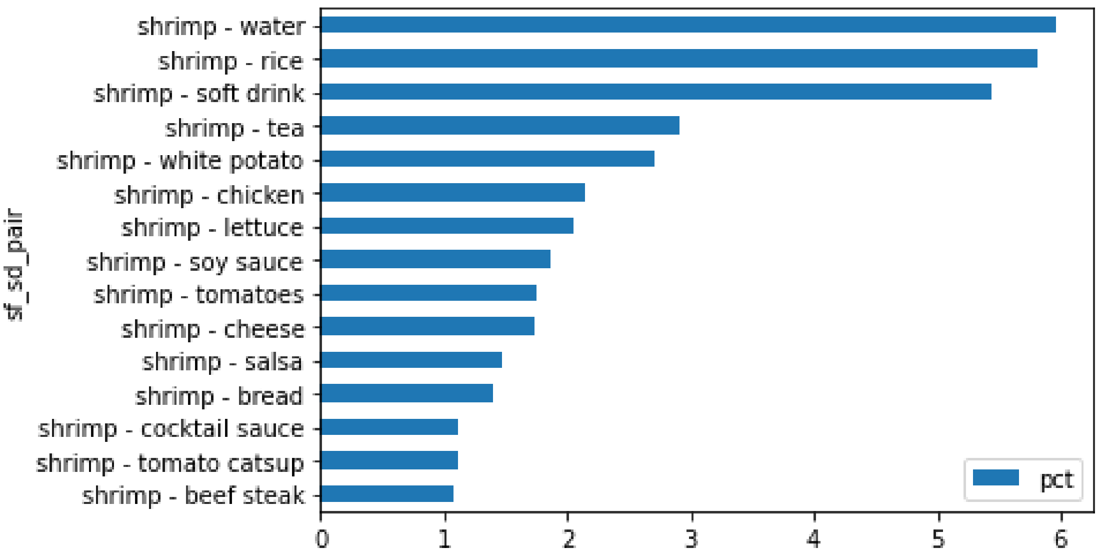

sea bass - rice
sea bass - water
sea bass - carrots
sea bass - soft drink
sea bass - lemon juice
sea bass - broccoli
sea bass - tea
sea bass - wine
sea bass - lettuce
sea bass - mixed salad greens
sea bass - mushrooms
sea bass - italian dressing
sea bass - tomatoes
sea bass - spinach
sea bass - bread
sf_sd_pair
pct
0
1
2
3
4
5
6

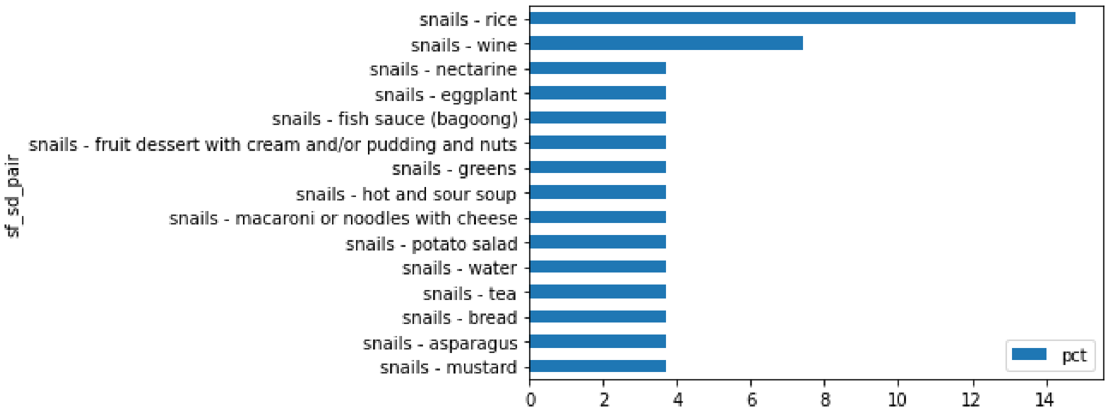

seafood - water
seafood - rice
seafood - soy sauce
seafood - soft drink
seafood - tea
seafood - lettuce
seafood - cheese
seafood - beer
seafood - tomatoes
seafood - salsa
seafood - cabbage
seafood - chicken
seafood - bread
seafood - cookie
seafood - wine
sf_sd_pair
pct
0
1
2
3
4
5
6
7
8

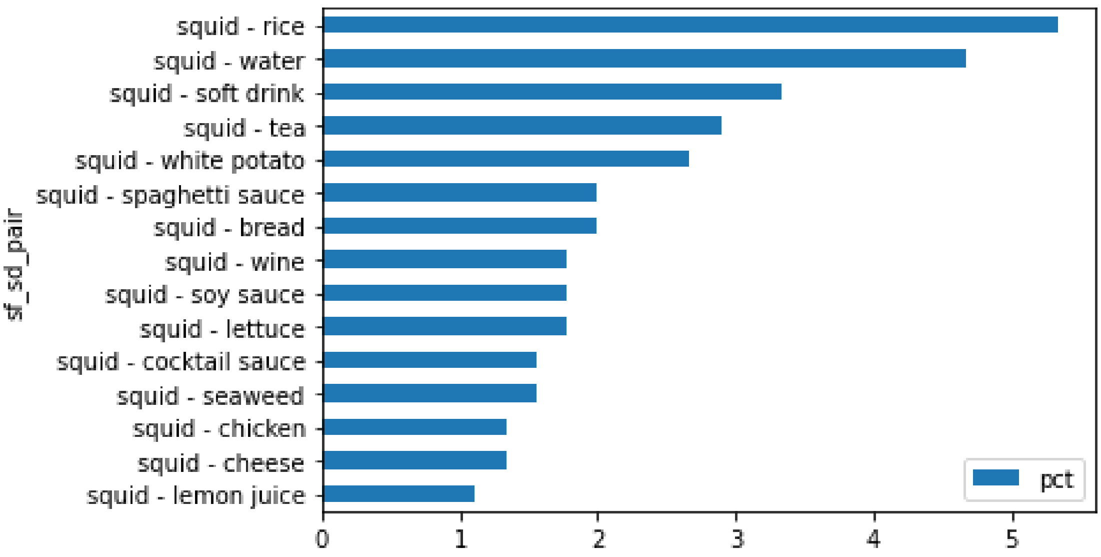

shad - olives
shad - blueberries
shad - peach
shad - pear
shad - chocolate milk
shad - corn dog (frankfurter or hot dog with cornbread coating)
shad - water
shad - creamy dressing
shad - cucumber pickles
shad - endive
shad - gelatin dessert with sour cream
shad - gelatin dessert with whipped cream
shad - italian dressing
shad - lettuce
shad - carrots
sf_sd_pair
pct
0
1
2
3
4
5
6
7
8

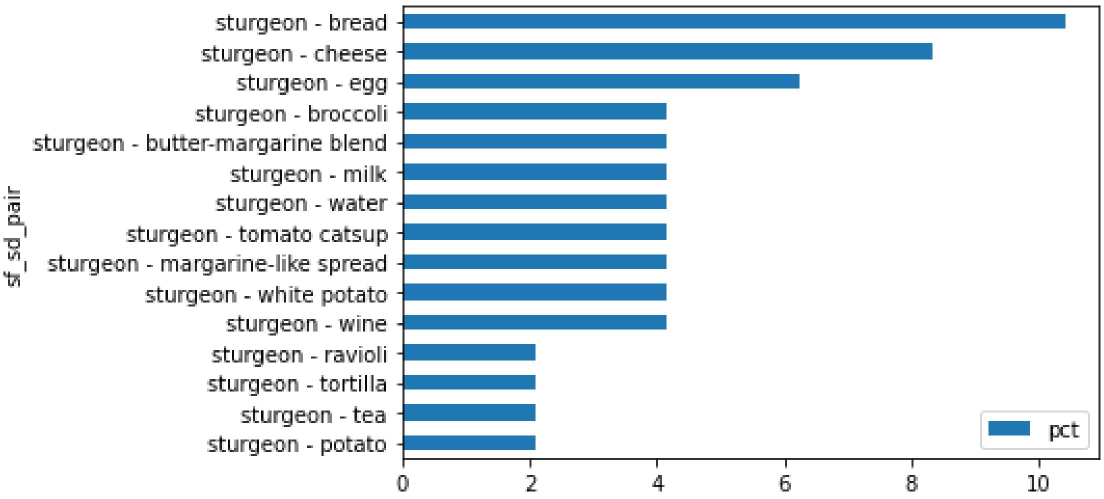

shark - greens
shark - chicken
shark - gravy or sauce
shark - vegetable combination (including carrots
shark - soft drink
shark - pork roast
shark - macaroni or noodles
shark - hot and sour soup
shark - tea
sf_sd_pair
pct
0
2
4
6
8
10

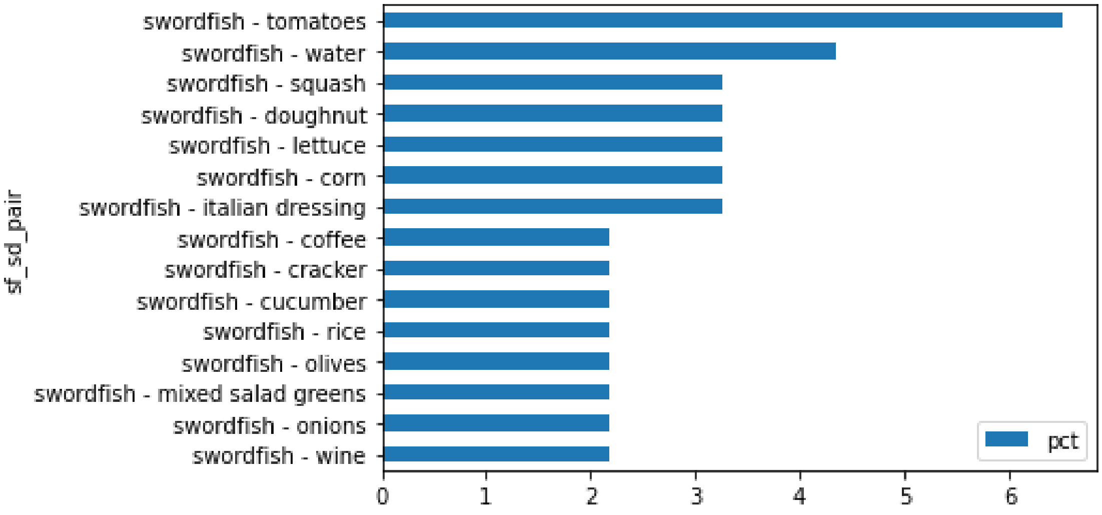

shellfish - rice
shellfish - soft drink
shellfish - water
shellfish - salsa
shellfish - milk
shellfish - tea
shellfish - cookie
shellfish - chicken
shellfish - coffee
shellfish - lettuce
shellfish - cabbage salad or coleslaw
shellfish - biscuit
shellfish - roll
shellfish - fruit juice drink
shellfish - fruit flavored drink
sf_sd_pair
pct
0
1
2
3
4
5
6

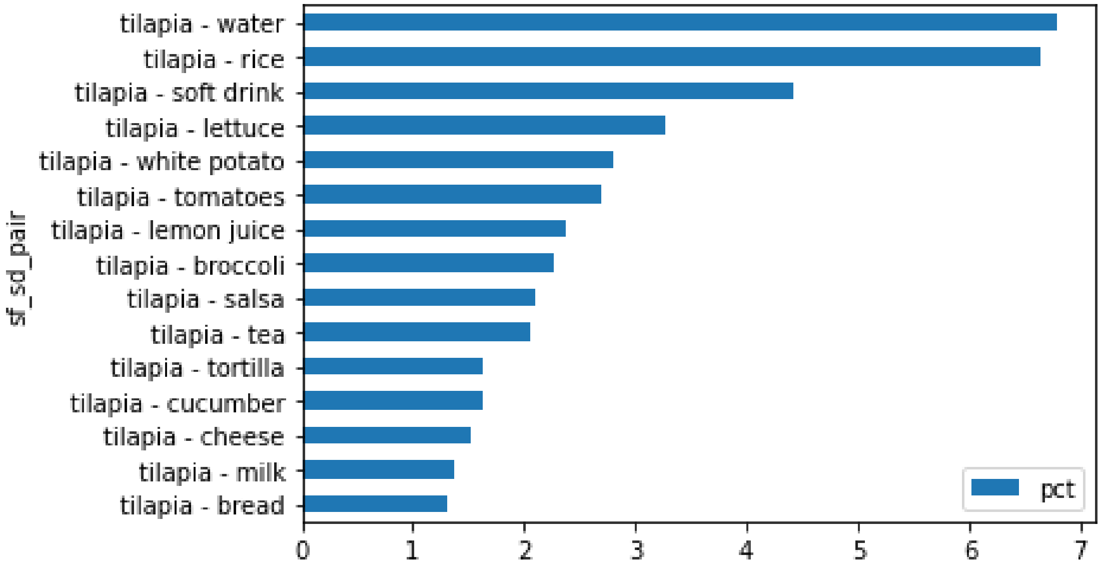

shrimp - water
shrimp - rice
shrimp - soft drink
shrimp - tea
shrimp - white potato
shrimp - chicken
shrimp - lettuce
shrimp - soy sauce
shrimp - tomatoes
shrimp - cheese
shrimp - salsa
shrimp - bread
shrimp - cocktail sauce
shrimp - tomato catsup
shrimp - beef steak
sf_sd_pair
pct
0
1
2
3
4
5
6

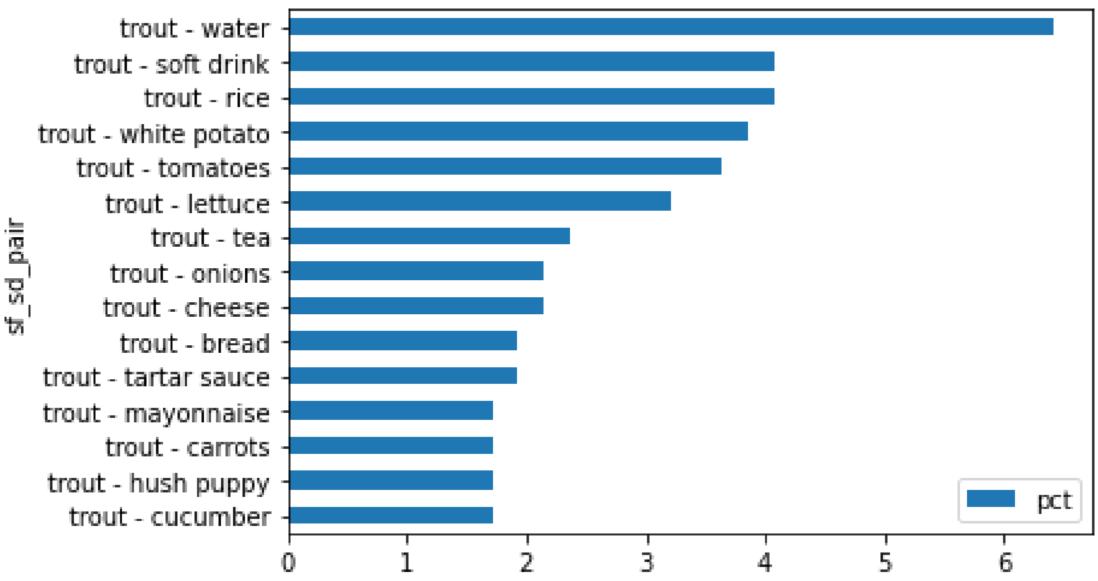

snails - rice
snails - wine
snails - nectarine
snails - eggplant
snails - fish sauce (bagoong)
snails - fruit dessert with cream and/or pudding and nuts
snails - greens
snails - hot and sour soup
snails - macaroni or noodles with cheese
snails - potato salad
snails - water
snails - tea
snails - bread
snails - asparagus
snails - mustard
sf_sd_pair
pct
0
2
4
6
8
10
12
14


squid - rice
squid - water
squid - soft drink
squid - tea
squid - white potato
squid - spaghetti sauce
squid - bread
squid - wine
squid - soy sauce
squid - lettuce
squid - cocktail sauce
squid - seaweed
squid - chicken
squid - cheese
squid - lemon juice
sf_sd_pair
pct
0
1
2
3
4
5

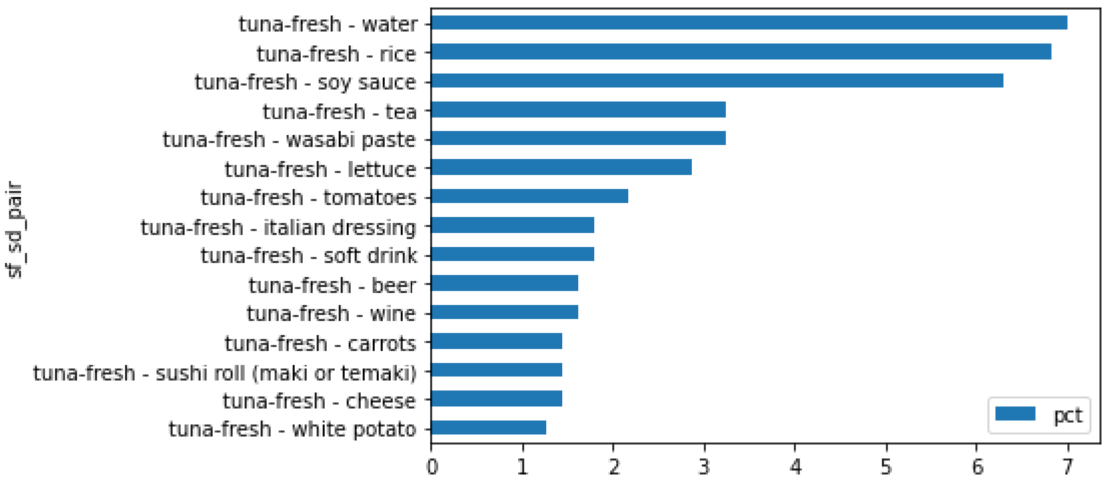

sturgeon - bread
sturgeon - cheese
sturgeon - egg
sturgeon - broccoli
sturgeon - butter-margarine blend
sturgeon - milk
sturgeon - water
sturgeon - tomato catsup
sturgeon - margarine-like spread
sturgeon - white potato
sturgeon - wine
sturgeon - ravioli
sturgeon - tortilla
sturgeon - tea
sturgeon - potato
sf_sd_pair
pct
0
2
4
6
8
10


sf_sd_pair
swordfish - tomatoes
swordfish - water
swordfish - squash
swordfish - doughnut
swordfish - lettuce
swordfish - corn
swordfish - italian dressing
swordfish - coffee
swordfish - cracker
swordfish - cucumber
swordfish - rice
swordfish - olives
swordfish - mixed salad greens
swordfish - onions
swordfish - wine
pct
0
1
2
3
4
5
6

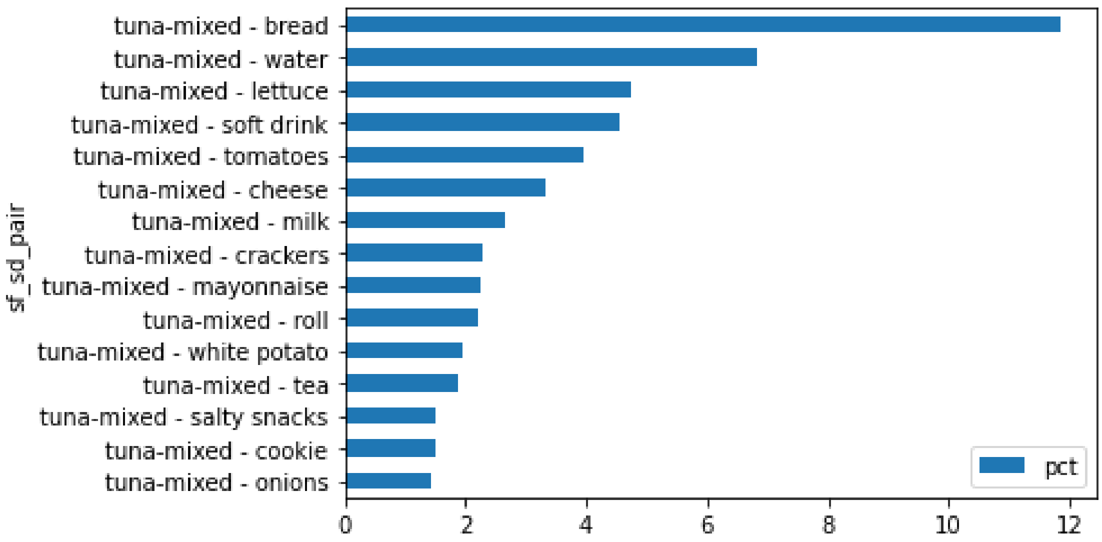

sf_sd_pair
tilapia - water
tilapia - rice
tilapia - soft drink
tilapia - lettuce
tilapia - white potato
tilapia - tomatoes
tilapia - lemon juice
tilapia - broccoli
tilapia - salsa
tilapia - tea
tilapia - tortilla
tilapia - cucumber
tilapia - cheese
tilapia - milk
tilapia - bread
pct
0
1
2
3
4
5
6
7

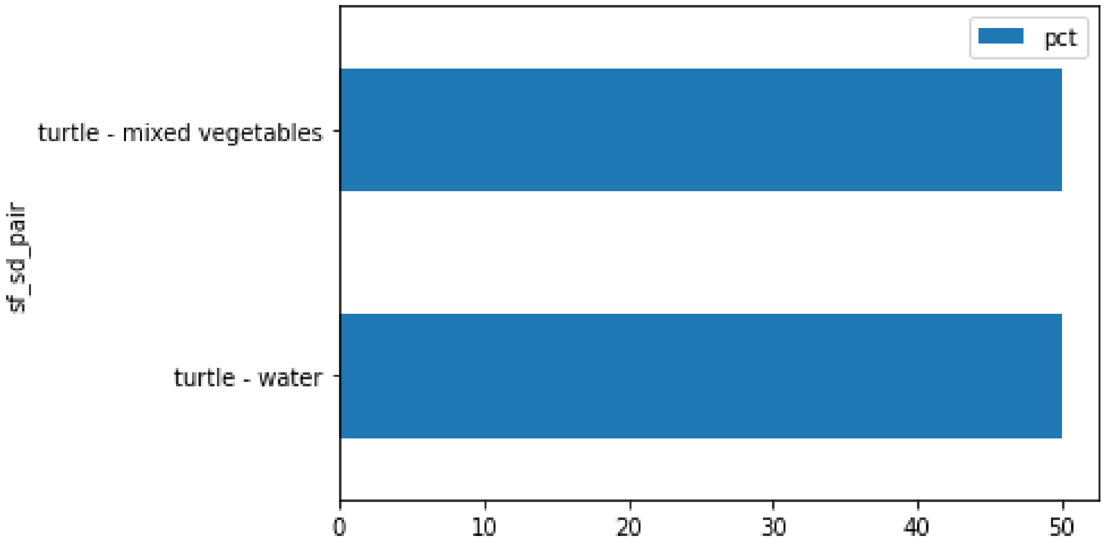


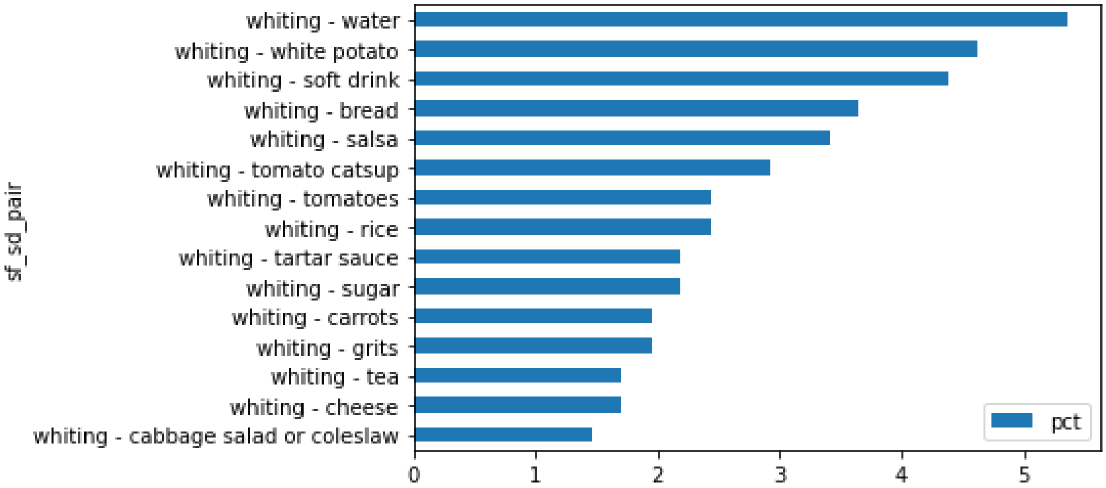
sf_sd_pair
trout - water
trout - soft drink
trout - rice
trout - white potato
trout - tomatoes
trout - lettuce
trout - tea
trout - onions
trout - cheese
trout - bread
trout - tartar sauce
trout - mayonnaise
trout - carrots
trout - hush puppy
trout - cucumber
pct
0
1
2
3
4
5
6



sf_sd_pair
tuna-fresh - water
tuna-fresh - rice
tuna-fresh - soy sauce
tuna-fresh - tea
tuna-fresh - wasabi paste
tuna-fresh - lettuce
tuna-fresh - tomatoes
tuna-fresh - italian dressing
tuna-fresh - soft drink
tuna-fresh - beer
tuna-fresh - wine
tuna-fresh - carrots
tuna-fresh - sushi roll (maki or temaki)
tuna-fresh - cheese
tuna-fresh - white potato
pct
0
1
2
3
4
5
6
7


tuna-mixed - bread
tuna-mixed - water
tuna-mixed - lettuce
tuna-mixed - soft drink
tuna-mixed - tomatoes
tuna-mixed - cheese
tuna-mixed - milk
tuna-mixed - crackers
tuna-mixed - mayonnaise
tuna-mixed - roll
tuna-mixed - white potato
tuna-mixed - tea
tuna-mixed - salty snacks
tuna-mixed - cookie
tuna-mixed - onions
sf_sd_pair
pct
0
2
4
6
8
10
12


turtle - mixed vegetables
turtle - water
sf_sd_pair
pct
0
10
20
30
40
50


sf_sd_pair
whiting - water
whiting - white potato
whiting - soft drink
whiting - bread
whiting - salsa
whiting - tomato catsup
whiting - tomatoes
whiting - rice
whiting - tartar sauce
whiting - sugar
whiting - carrots
whiting - grits
whiting - tea
whiting - cheese
whiting - cabbage salad or coleslaw
pct
0
1
2
3
4
5

[ ]:

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