

In [3]:

```
import numpy as np
import pandas as pd
from apyori import apriori
```

In [4]:

```
store_data = pd.read_excel('D:Kuliah/no3.xls')
```

In [5]:

```
store_data.head()
```

Out[5]:

	Item1	Item2	Item3	Item4	Item5	Item6	Item7	Item8	Item
0	burgers	meatballs	eggs	low fat yogurt	NaN	mineral water	salmon	low fat yogurt	NaN
1	chutney	low fat yogurt	NaN	whole wheat pasta	french fries	mineral water	salmon	whole wheat pasta	french fries
2	turkey	whole wheat pasta	french fries	soup	light cream	shallot	NaN	soup	light cream
3	mineral water	soup	light cream	frozen vegetables	spaghetti	green tea	NaN	frozen vegetables	spaghetti
4	low fat yogurt	frozen vegetables	spaghetti	french fries	eggs	chocolate	frozen smoothie	french fries	egg

In [7]:

```
store_data.shape
```

Out[7]:

```
(2054, 10)
```

In [8]:

```
records = []
for i in range(0, 2054):
    records.append([str(store_data.values[i,j]) for j in range(0,10)])
```

In [9]:

```
association_rules = apriori(records, min_support = 0.2, min_confidence = 0.2, min_lift = 0.2, min_length = 2)
association_results = list(association_rules)
```

In [15]:

```
print(len(association_results[0]))
```

3

In [16]:

```
results = []
for item in association_results :
    pair = item [0]
    items = [x for x in pair]

    value0 = str(items[0])
    #value1 = str(items[1])
    value2 = str(item[1])[:9]
    value3 = str(item[2][0][2])[:9]
    value4 = str(item[2][0][3])[:9]

    rows = (value0,#value1,
            value2,value3,value4)

    results.append(rows)

    label =['title1','#title2',
            'support','confidence','lift']

    store_suggestion = pds.DataFrame.from_records(results,columns=label)
    print(store_suggestion)
```

	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0

	title1	support	confidence	lift
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0

2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0

12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0

13	turkey	0.5272638	0.5272638	1.0	
14	whole wheat pasta	0.2653359	0.2653359	1.0	
15	avocado	0.2030185	0.2030185	1.0	
16	avocado	0.3037974	0.3037974	1.0	
17	avocado	0.2921129	0.2921129	1.0	
18	energy drink	0.2521908	0.2521908	1.0	
19	french fries	0.3042843	0.3042843	1.0	
20	milk	0.2711781	0.2711781	1.0	
	title1	support	confidence	lift	
0	avocado	0.3145082	0.3145082	1.0	
1	burgers	0.2429406	0.2429406	1.0	
2	chocolate	0.4756572	0.4756572	1.0	
3	clothes accessories	0.3398247	0.3398247	1.0	
4	cookies	0.3588120	0.3588120	1.0	
5	eggs	0.4099318	0.4099318	1.0	
6	energy drink	0.3213242	0.3213242	1.0	
7	french fries	0.6548198	0.6548198	1.0	
8	herb & pepper	0.3042843	0.3042843	1.0	
9	milk	0.4079844	0.4079844	1.0	
10	mineral water	0.4527750	0.4527750	1.0	
11	nan	0.6285296	0.6285296	1.0	
12	shrimp	0.2151898	0.2151898	1.0	
13	turkey	0.5272638	0.5272638	1.0	
14	whole wheat pasta	0.2653359	0.2653359	1.0	
15	avocado	0.2030185	0.2030185	1.0	
16	avocado	0.3037974	0.3037974	1.0	
17	avocado	0.2921129	0.2921129	1.0	
18	energy drink	0.2521908	0.2521908	1.0	
19	french fries	0.3042843	0.3042843	1.0	
20	milk	0.2711781	0.2711781	1.0	
21	nan	0.3763388	0.3763388	1.0	
	title1	support	confidence	lift	
0	avocado	0.3145082	0.3145082	1.0	
1	burgers	0.2429406	0.2429406	1.0	
2	chocolate	0.4756572	0.4756572	1.0	
3	clothes accessories	0.3398247	0.3398247	1.0	
4	cookies	0.3588120	0.3588120	1.0	
5	eggs	0.4099318	0.4099318	1.0	
6	energy drink	0.3213242	0.3213242	1.0	
7	french fries	0.6548198	0.6548198	1.0	
8	herb & pepper	0.3042843	0.3042843	1.0	
9	milk	0.4079844	0.4079844	1.0	
10	mineral water	0.4527750	0.4527750	1.0	
11	nan	0.6285296	0.6285296	1.0	
12	shrimp	0.2151898	0.2151898	1.0	
13	turkey	0.5272638	0.5272638	1.0	
14	whole wheat pasta	0.2653359	0.2653359	1.0	
15	avocado	0.2030185	0.2030185	1.0	
16	avocado	0.3037974	0.3037974	1.0	
17	avocado	0.2921129	0.2921129	1.0	
18	energy drink	0.2521908	0.2521908	1.0	
19	french fries	0.3042843	0.3042843	1.0	
20	milk	0.2711781	0.2711781	1.0	
21	nan	0.3763388	0.3763388	1.0	
22	clothes accessories	0.2512171	0.2512171	1.0	
	title1	support	confidence	lift	
0	avocado	0.3145082	0.3145082	1.0	
1	burgers	0.2429406	0.2429406	1.0	
2	chocolate	0.4756572	0.4756572	1.0	
3	clothes accessories	0.3398247	0.3398247	1.0	
4	cookies	0.3588120	0.3588120	1.0	

5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
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9	milk	0.4079844	0.4079844	1.0
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13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0

15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0

21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0

23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0

21		nan	0.3763388	0.3763388	1.0
22	clothes	accessories	0.2512171	0.2512171	1.0
23	clothes	accessories	0.3237585	0.3237585	1.0
24	clothes	accessories	0.2108081	0.2108081	1.0
25	clothes	accessories	0.3281402	0.3281402	1.0
26		cookies	0.3213242	0.3213242	1.0
27		cookies	0.2005842	0.2005842	1.0
28		cookies	0.2429406	0.2429406	1.0
29		eggs	0.3617332	0.3617332	1.0
30		eggs	0.2059396	0.2059396	1.0
31		nan	0.2409931	0.2409931	1.0
	title1	support	confidence	lift	
0		avocado	0.3145082	0.3145082	1.0
1		burgers	0.2429406	0.2429406	1.0
2		chocolate	0.4756572	0.4756572	1.0
3	clothes	accessories	0.3398247	0.3398247	1.0
4		cookies	0.3588120	0.3588120	1.0
5		eggs	0.4099318	0.4099318	1.0
6		energy drink	0.3213242	0.3213242	1.0
7		french fries	0.6548198	0.6548198	1.0
8		herb & pepper	0.3042843	0.3042843	1.0
9		milk	0.4079844	0.4079844	1.0
10		mineral water	0.4527750	0.4527750	1.0
11		nan	0.6285296	0.6285296	1.0
12		shrimp	0.2151898	0.2151898	1.0
13		turkey	0.5272638	0.5272638	1.0
14	whole	wheat pasta	0.2653359	0.2653359	1.0
15		avocado	0.2030185	0.2030185	1.0
16		avocado	0.3037974	0.3037974	1.0
17		avocado	0.2921129	0.2921129	1.0
18		energy drink	0.2521908	0.2521908	1.0
19		french fries	0.3042843	0.3042843	1.0
20		milk	0.2711781	0.2711781	1.0
21		nan	0.3763388	0.3763388	1.0
22	clothes	accessories	0.2512171	0.2512171	1.0
23	clothes	accessories	0.3237585	0.3237585	1.0
24	clothes	accessories	0.2108081	0.2108081	1.0
25	clothes	accessories	0.3281402	0.3281402	1.0
26		cookies	0.3213242	0.3213242	1.0
27		cookies	0.2005842	0.2005842	1.0
28		cookies	0.2429406	0.2429406	1.0
29		eggs	0.3617332	0.3617332	1.0
30		eggs	0.2059396	0.2059396	1.0
31		nan	0.2409931	0.2409931	1.0
32		eggs	0.2848101	0.2848101	1.0
	title1	support	confidence	lift	
0		avocado	0.3145082	0.3145082	1.0
1		burgers	0.2429406	0.2429406	1.0
2		chocolate	0.4756572	0.4756572	1.0
3	clothes	accessories	0.3398247	0.3398247	1.0
4		cookies	0.3588120	0.3588120	1.0
5		eggs	0.4099318	0.4099318	1.0
6		energy drink	0.3213242	0.3213242	1.0
7		french fries	0.6548198	0.6548198	1.0
8		herb & pepper	0.3042843	0.3042843	1.0
9		milk	0.4079844	0.4079844	1.0
10		mineral water	0.4527750	0.4527750	1.0
11		nan	0.6285296	0.6285296	1.0
12		shrimp	0.2151898	0.2151898	1.0
13		turkey	0.5272638	0.5272638	1.0
14	whole	wheat pasta	0.2653359	0.2653359	1.0

15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
title1 support confidence lift				
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
title1 support confidence lift				
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0

5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0

29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0

13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
	title1 support confidence lift			
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0

34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0

12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0

30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0

2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
44	french fries	0.2429406	0.2429406	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0

17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
44	french fries	0.2429406	0.2429406	1.0
45	energy drink	0.2453748	0.2453748	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0

31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
44	french fries	0.2429406	0.2429406	1.0
45	energy drink	0.2453748	0.2453748	1.0
46	french fries	0.2833495	0.2833495	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0

44	french fries	0.2429406	0.2429406	1.0
45	energy drink	0.2453748	0.2453748	1.0
46	french fries	0.2833495	0.2833495	1.0
47	clothes accessories	0.2429406	0.2429406	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
44	french fries	0.2429406	0.2429406	1.0
45	energy drink	0.2453748	0.2453748	1.0
46	french fries	0.2833495	0.2833495	1.0
47	clothes accessories	0.2429406	0.2429406	1.0
48	clothes accessories	0.2497565	0.2497565	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0

6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
44	french fries	0.2429406	0.2429406	1.0
45	energy drink	0.2453748	0.2453748	1.0
46	french fries	0.2833495	0.2833495	1.0
47	clothes accessories	0.2429406	0.2429406	1.0
48	clothes accessories	0.2497565	0.2497565	1.0
49	clothes accessories	0.2064264	0.2064264	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0

16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
44	french fries	0.2429406	0.2429406	1.0
45	energy drink	0.2453748	0.2453748	1.0
46	french fries	0.2833495	0.2833495	1.0
47	clothes accessories	0.2429406	0.2429406	1.0
48	clothes accessories	0.2497565	0.2497565	1.0
49	clothes accessories	0.2064264	0.2064264	1.0
50	clothes accessories	0.3154819	0.3154819	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0

25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
44	french fries	0.2429406	0.2429406	1.0
45	energy drink	0.2453748	0.2453748	1.0
46	french fries	0.2833495	0.2833495	1.0
47	clothes accessories	0.2429406	0.2429406	1.0
48	clothes accessories	0.2497565	0.2497565	1.0
49	clothes accessories	0.2064264	0.2064264	1.0
50	clothes accessories	0.3154819	0.3154819	1.0
51	clothes accessories	0.2020447	0.2020447	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0

33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
44	french fries	0.2429406	0.2429406	1.0
45	energy drink	0.2453748	0.2453748	1.0
46	french fries	0.2833495	0.2833495	1.0
47	clothes accessories	0.2429406	0.2429406	1.0
48	clothes accessories	0.2497565	0.2497565	1.0
49	clothes accessories	0.2064264	0.2064264	1.0
50	clothes accessories	0.3154819	0.3154819	1.0
51	clothes accessories	0.2020447	0.2020447	1.0
52	cookies	0.2215189	0.2215189	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0

40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
44	french fries	0.2429406	0.2429406	1.0
45	energy drink	0.2453748	0.2453748	1.0
46	french fries	0.2833495	0.2833495	1.0
47	clothes accessories	0.2429406	0.2429406	1.0
48	clothes accessories	0.2497565	0.2497565	1.0
49	clothes accessories	0.2064264	0.2064264	1.0
50	clothes accessories	0.3154819	0.3154819	1.0
51	clothes accessories	0.2020447	0.2020447	1.0
52	cookies	0.2215189	0.2215189	1.0
53	nan	0.2185978	0.2185978	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
44	french fries	0.2429406	0.2429406	1.0
45	energy drink	0.2453748	0.2453748	1.0

46	french fries	0.2833495	0.2833495	1.0
47	clothes accessories	0.2429406	0.2429406	1.0
48	clothes accessories	0.2497565	0.2497565	1.0
49	clothes accessories	0.2064264	0.2064264	1.0
50	clothes accessories	0.3154819	0.3154819	1.0
51	clothes accessories	0.2020447	0.2020447	1.0
52	cookies	0.2215189	0.2215189	1.0
53	nan	0.2185978	0.2185978	1.0
54	eggs	0.2653359	0.2653359	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
44	french fries	0.2429406	0.2429406	1.0
45	energy drink	0.2453748	0.2453748	1.0
46	french fries	0.2833495	0.2833495	1.0
47	clothes accessories	0.2429406	0.2429406	1.0
48	clothes accessories	0.2497565	0.2497565	1.0
49	clothes accessories	0.2064264	0.2064264	1.0
50	clothes accessories	0.3154819	0.3154819	1.0

51	clothes accessories	0.2020447	0.2020447	1.0
52	cookies	0.2215189	0.2215189	1.0
53	nan	0.2185978	0.2185978	1.0
54	eggs	0.2653359	0.2653359	1.0
55	energy drink	0.2911392	0.2911392	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
44	french fries	0.2429406	0.2429406	1.0
45	energy drink	0.2453748	0.2453748	1.0
46	french fries	0.2833495	0.2833495	1.0
47	clothes accessories	0.2429406	0.2429406	1.0
48	clothes accessories	0.2497565	0.2497565	1.0
49	clothes accessories	0.2064264	0.2064264	1.0
50	clothes accessories	0.3154819	0.3154819	1.0
51	clothes accessories	0.2020447	0.2020447	1.0
52	cookies	0.2215189	0.2215189	1.0
53	nan	0.2185978	0.2185978	1.0
54	eggs	0.2653359	0.2653359	1.0

55	energy drink	0.2911392	0.2911392	1.0
56	milk	0.2083739	0.2083739	1.0
	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
44	french fries	0.2429406	0.2429406	1.0
45	energy drink	0.2453748	0.2453748	1.0
46	french fries	0.2833495	0.2833495	1.0
47	clothes accessories	0.2429406	0.2429406	1.0
48	clothes accessories	0.2497565	0.2497565	1.0
49	clothes accessories	0.2064264	0.2064264	1.0
50	clothes accessories	0.3154819	0.3154819	1.0
51	clothes accessories	0.2020447	0.2020447	1.0
52	cookies	0.2215189	0.2215189	1.0
53	nan	0.2185978	0.2185978	1.0
54	eggs	0.2653359	0.2653359	1.0
55	energy drink	0.2911392	0.2911392	1.0
56	milk	0.2083739	0.2083739	1.0
57	mineral water	0.2249269	0.2249269	1.0

	title1	support	confidence	lift
0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
44	french fries	0.2429406	0.2429406	1.0
45	energy drink	0.2453748	0.2453748	1.0
46	french fries	0.2833495	0.2833495	1.0
47	clothes accessories	0.2429406	0.2429406	1.0
48	clothes accessories	0.2497565	0.2497565	1.0
49	clothes accessories	0.2064264	0.2064264	1.0
50	clothes accessories	0.3154819	0.3154819	1.0
51	clothes accessories	0.2020447	0.2020447	1.0
52	cookies	0.2215189	0.2215189	1.0
53	nan	0.2185978	0.2185978	1.0
54	eggs	0.2653359	0.2653359	1.0
55	energy drink	0.2911392	0.2911392	1.0
56	milk	0.2083739	0.2083739	1.0
57	mineral water	0.2249269	0.2249269	1.0
58	nan	0.2224926	0.2224926	1.0
	title1	support	confidence	lift

0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
5	eggs	0.4099318	0.4099318	1.0
6	energy drink	0.3213242	0.3213242	1.0
7	french fries	0.6548198	0.6548198	1.0
8	herb & pepper	0.3042843	0.3042843	1.0
9	milk	0.4079844	0.4079844	1.0
10	mineral water	0.4527750	0.4527750	1.0
11	nan	0.6285296	0.6285296	1.0
12	shrimp	0.2151898	0.2151898	1.0
13	turkey	0.5272638	0.5272638	1.0
14	whole wheat pasta	0.2653359	0.2653359	1.0
15	avocado	0.2030185	0.2030185	1.0
16	avocado	0.3037974	0.3037974	1.0
17	avocado	0.2921129	0.2921129	1.0
18	energy drink	0.2521908	0.2521908	1.0
19	french fries	0.3042843	0.3042843	1.0
20	milk	0.2711781	0.2711781	1.0
21	nan	0.3763388	0.3763388	1.0
22	clothes accessories	0.2512171	0.2512171	1.0
23	clothes accessories	0.3237585	0.3237585	1.0
24	clothes accessories	0.2108081	0.2108081	1.0
25	clothes accessories	0.3281402	0.3281402	1.0
26	cookies	0.3213242	0.3213242	1.0
27	cookies	0.2005842	0.2005842	1.0
28	cookies	0.2429406	0.2429406	1.0
29	eggs	0.3617332	0.3617332	1.0
30	eggs	0.2059396	0.2059396	1.0
31	nan	0.2409931	0.2409931	1.0
32	eggs	0.2848101	0.2848101	1.0
33	energy drink	0.3033106	0.3033106	1.0
34	energy drink	0.3033106	0.3033106	1.0
35	milk	0.2804284	0.2804284	1.0
36	mineral water	0.2702044	0.2702044	1.0
37	nan	0.4819863	0.4819863	1.0
38	french fries	0.3709834	0.3709834	1.0
39	herb & pepper	0.2478091	0.2478091	1.0
40	nan	0.2702044	0.2702044	1.0
41	mineral water	0.3476144	0.3476144	1.0
42	nan	0.2502434	0.2502434	1.0
43	avocado	0.2891918	0.2891918	1.0
44	french fries	0.2429406	0.2429406	1.0
45	energy drink	0.2453748	0.2453748	1.0
46	french fries	0.2833495	0.2833495	1.0
47	clothes accessories	0.2429406	0.2429406	1.0
48	clothes accessories	0.2497565	0.2497565	1.0
49	clothes accessories	0.2064264	0.2064264	1.0
50	clothes accessories	0.3154819	0.3154819	1.0
51	clothes accessories	0.2020447	0.2020447	1.0
52	cookies	0.2215189	0.2215189	1.0
53	nan	0.2185978	0.2185978	1.0
54	eggs	0.2653359	0.2653359	1.0
55	energy drink	0.2911392	0.2911392	1.0
56	milk	0.2083739	0.2083739	1.0
57	mineral water	0.2249269	0.2249269	1.0
58	nan	0.2224926	0.2224926	1.0
59	french fries	0.2366114	0.2366114	1.0
	title1	support	confidence	lift

0	avocado	0.3145082	0.3145082	1.0
1	burgers	0.2429406	0.2429406	1.0
2	chocolate	0.4756572	0.4756572	1.0
3	clothes accessories	0.3398247	0.3398247	1.0
4	cookies	0.3588120	0.3588120	1.0
..
56	milk	0.2083739	0.2083739	1.0
57	mineral water	0.2249269	0.2249269	1.0
58	nan	0.2224926	0.2224926	1.0
59	french fries	0.2366114	0.2366114	1.0
60	clothes accessories	0.2419668	0.2419668	1.0

[61 rows x 4 columns]

In []: