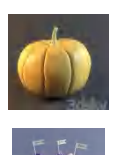
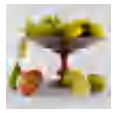
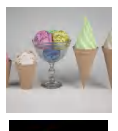
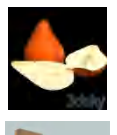
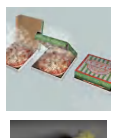
| | | | | | | |
|---|---|---|---|---|---|---|
|  香蕉 | 1 | Banana | 12.23 | 0.33 | Bananas, raw | |
|  七个苹果 | 2 | Seven Apples | 10.40 | 0.17 | Apples, raw, with skin | |
|  六个香蕉 | 3 | Six Bananas | 12.23 | 0.33 | Bananas, raw | |
|  一盘樱桃 | 4 | Bowl of Cherries | | 12.80 | 0.20 | Cherries, sweet, raw |
|  一桌寿司 | 5 | Sushi Platter | 2.13 | 0.67 | Sushi, NFS (approximate) | |
|  一只鸡 | 6 | Whole Chicken | | 0.00 | 15.10 | Chicken, meat and skin, raw |
|  南瓜 | 7 | Pumpkin | 2.76 | 0.10 | Pumpkin, raw | |
|  纸杯蛋糕 | 8 | Cupcake | 39.53 | 14.77 | Cake or cupcake, NFS | |
|  切片蛋糕 | 9 | Slice of Cake | 35.50 | 12.40 | White cake, without frosting (approximate) | |
|  苹果 | 10 | Apple | 10.40 | 0.17 | Apples, raw, with skin | |
|  莓果蛋糕 | 11 | Berry Cake | 25.90 | 4.73 | Strawberry shortcake (approximate) | |
|  煎饼 | 12 | Pancakes | 8.00 | 12.00 | Pancakes, plain (approximate) | |
|  一筐苹果 | 13 | Basket of Apples | | 10.40 | 0.17 | Apples, raw, with skin |
|  饼干 | 14 | Cookies | 19.90 | 9.80 | Cookies, gingersnaps (approximate) | |
|  巧克力奶油蛋糕 | 15 | Chocolate Cream Cake | | 35.50 | 18.00 | Chocolate cream cake (estimated) |
|  脆皮巧克力雪糕 | 16 | Chocolate-Coated Ice Cream Bar | | 24.00 | 20.00 | Vanilla ice cream with chocolate coating (estimated) |
|  寿司 | 17 | Sushi | 2.13 | 0.67 | Sushi, NFS (approximate) | |
|  黄油曲奇 | 18 | Butter Cookies | 20.20 | 18.80 | Cookies, butter, commercially prepared | |
|  奶油蛋糕 | 19 | Cream Cake | 28.00 | 18.00 | Cream cake (estimated) | |
|  果盘：葡萄苹果梨子 | 20 | Fruit Platter: Grapes, Apples and Pears | | 11.88 | 0.16 | Mixed fruits, equal-weight mixture (estimated) |
|  蔬菜水果肉串 | 21 | Vegetable, Fruit and Meat Skewers | | 4.50 | 6.50 | Mixed vegetable, fruit and meat skewers (estimated) |
|  一桌家常菜 | 22 | Home-Cooked Meal | | 3.50 | 8.00 | Mixed home-cooked dishes (estimated) |
|  瓜，橘子，樱桃 | 23 | Melon, Oranges and Cherries | | 9.87 | 0.18 | Mixed fruits, equal-weight mixture (estimated) |
|  香蕉葡萄例子柠檬苹果 | 24 | Bananas, Grapes, Pears, Lemons and Apples | | 10.08 | 0.22 | Mixed fruits, equal-weight mixture (estimated) |
|  蛋筒香草冰淇淋 | 25 | Vanilla Ice Cream Cone | | 20.80 | 11.20 | Ice cream cone, scooped, vanilla (approximate) |
|  红梨 | 26 | Red Pear | 9.54 | 0.14 | Pears, raw, red Anjou | |
|  披萨 | 27 | Pizza | 3.21 | 12.60 | Pizza Hut, cheese pizza, pan crust (approximate) | |
|  腌黄瓜 | 28 | Pickled Cucumbers | | 1.28 | 0.43 | Pickles, dill (approximate) |

Nutritional values are based on reference foods from USDA FoodData Central. Some values are approximate or estimated because the exact recipes of the 3D models are unknown.

Total lipid ( fat )
g/100g

18
16
14
12
10
8
6
4
2

0
5
15
20
25
30
35
40

Total Sugars
g/100g

## Category 03 — Fat-Rich

| | | | | |
|---|---|---|---|---|
| 6 | Whole Chicken | 0.00 | 15.10 | Chicken, meat and skin, raw |
| 12 | Pancakes | 8.00 | 12.00 | Pancakes, plain (approximate) |
| 14 | Cookies | 19.90 | 9.80 | Cookies, gingersnaps (approximate) |
| 27 | Pizza | 3.21 | 12.60 | Pizza Hut, cheese pizza, pan crust (approximate) |

## Category 04 — Sugar & Fat-Rich

| | | | | |
|---|---|---|---|---|
| 8 | Cupcake | 39.53 | 14.77 | Cake or cupcake, NFS |
| 9 | Slice of Cake | 35.50 | 12.40 | White cake, without frosting (approximate) |
| 15 | Chocolate Cream Cake | 35.50 | 18.00 | Chocolate cream cake (estimated) |
| 16 | Chocolate-Coated Ice Cream Bar | 24.00 | 20.00 | Vanilla ice cream with chocolate coating (estimated) |
| 18 | Butter Cookies | 20.20 | 18.80 | Cookies, butter, commercially prepared |
| 19 | Cream Cake | 28.00 | 18.00 | Cream cake (estimated) |
| 25 | Vanilla Ice Cream Cone | 20.80 | 11.20 | Ice cream cone, scooped, vanilla (approximate) |

## Category 01 — Low Sugar & Low Fat

| | | | | |
|---|---|---|---|---|
| 1 | Banana | 12.23 | 0.33 | Bananas, raw |
| 2 | Seven Apples | 10.40 | 0.17 | Apples, raw, with skin |
| 3 | Six Bananas | 12.23 | 0.33 | Bananas, raw |
| 4 | Bowl of Cherries | 12.80 | 0.20 | Cherries, sweet, raw |
| 5 | Sushi Platter | 2.13 | 0.67 | Sushi, NFS (approximate) |
| 7 | Pumpkin | 2.76 | 0.10 | Pumpkin, raw |
| 10 | Apple | 10.40 | 0.17 | Apples, raw, with skin |
| 13 | Basket of Apples | 10.40 | 0.17 | Apples, raw, with skin |
| 17 | Sushi | 2.13 | 0.67 | Sushi, NFS (approximate) |
| 20 | Fruit Platter: Grapes, Apples and Pears | 11.88 | 0.16 | Mixed fruits, equal-weight mixture (estimated) |
| 21 | Vegetable, Fruit and Meat Skewers | 4.50 | 6.50 | Mixed vegetable, fruit and meat skewers (estimated) |
| 22 | Home-Cooked Meal | 3.50 | 8.00 | Mixed home-cooked dishes (estimated) |
| 23 | Melon, Oranges and Cherries | 9.87 | 0.18 | Mixed fruits, equal-weight mixture (estimated) |
| 24 | Bananas, Grapes, Pears, Lemons and Apples | 10.08 | 0.22 | Mixed fruits, equal-weight mixture (estimated) |
| 26 | Red Pear | 9.54 | 0.14 | Pears, raw, red Anjou |
| 28 | Pickled Cucumbers | 1.28 | 0.43 | Pickles, dill (approximate) |

## Category 02 — Sugar-Rich

| | | | | |
|---|---|---|---|---|
| 11 | Berry Cake | 25.90 | 4.73 | Strawberry shortcake (approximate) |

## Category 03 — Fat-Rich

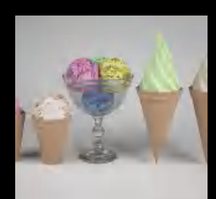




## Category 04 — Sugar & Fat-Rich



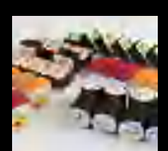



## Category 01 — Low Sugar & Low Fat

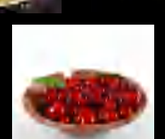
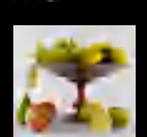




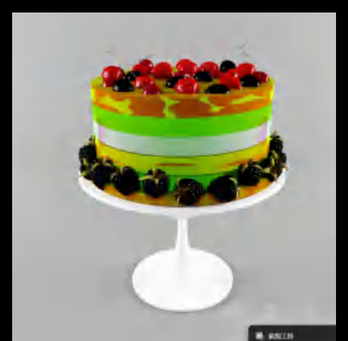








## Category 02 — Sugar-Rich



Rolls





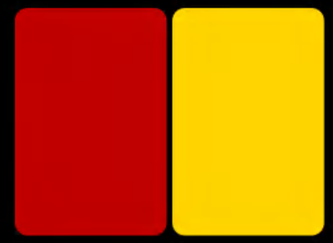
Ice cream





Melon, Oranges and Cherries





Pizza





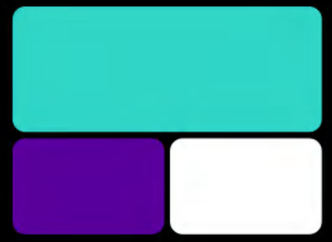
Cherry





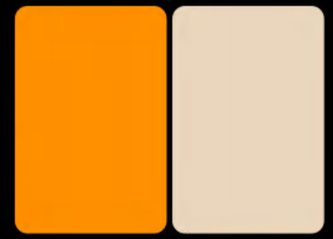
Cup cake





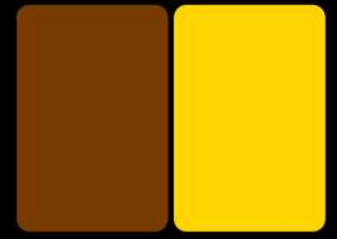
Red pear





Banana





Spareribs





Pumpkin





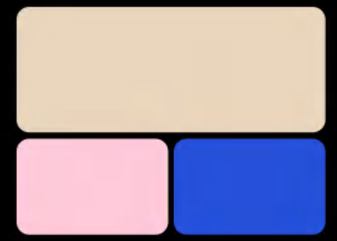
Apples





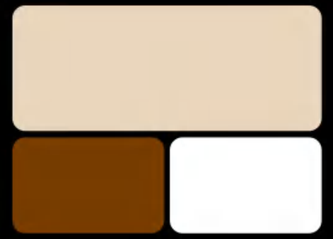
Ice cream





Cake





Cookie





Chocolate Cake





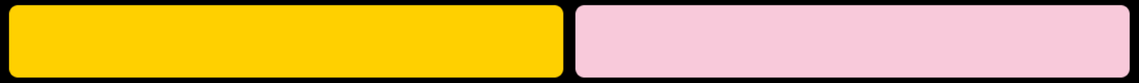
Chicken





## 1 Colour

2 models



Pumpkin

Chicken

## 2 Colours

5 models



Red pear

Banana

Cookie

Chocolate Cake

Ice cream

## 3 Colours

9 models



Rolls

Pizza

Cherry

Cupcake

Skewers

Apples

Cake

Ice cream

Melon

## Method 2 — Reclassifying by Shared Colours

16 models



# 3D Food Models

## Individual

1 Banana

6 Whole Chicken

7 Pumpkin

8 Cupcake

9 Slice of Cake

10 Apple

11 Berry Cake

15 Chocolate Cream Cake

16 Chocolate-Coated Ice Cream Bar

19 Cream Cake

25 Vanilla Ice Cream Cone

26 Red Pear

27 Pizza

## Collection

### Repetition

2 Seven Apples

3 Six Bananas

4 Bowl of Cherries

5 Sushi Platter

12 Pancakes

13 Basket of Apples

14 Cookies

17 Sushi

18 Butter Cookies

28 Pickled Cucumbers

### Arrangement

5 Sushi Platter

12 Pancakes

17 Sushi

20 Fruit Platter

21 Vegetable, Fruit and Meat Skewers

22 Home-Cooked Meal

### Containment

4 Bowl of Cherries

13 Basket of Apples

### Combination

20 Fruit Platter: Grapes, Apples and Pears

21 Vegetable, Fruit and Meat Skewers

22 Home-Cooked Meal

23 Melon, Oranges and Cherries

24 Bananas, Grapes, Pears, Lemons and Apples

## Overlapping Relationships

Same model ID belongs to two relationship categories

