

Table S1. All Food Names

Short name	Full food name used in survey
alfalfa	Alfalfa sprouts
apple juice	Apple juice
bacon	Bacon
bagels	Bagels
baked potatoe	Baked potatoes
bananas	Bananas
blueberries	Blueberries
beans	Beans or lentils
beef	Beef
beer	Beer
beets	Beets
boiled potatoes	Boiled potatoes
brown rice	Brown rice
broccoli	Broccoli
brownies	Brownies
Brussels sprouts	Brussels sprouts
butter	Butter
cake	Cake
candy bar	Candy bars, e.g. snickers, milky way, reeses
cantaloupe	Cantaloupe
other carbonated bev	Carbonated beverages with sugar other than cola
carrots	Carrots
cauliflower	Cauliflower
cream cheese	Cream cheese
celery	Celery
chard greens	Chard greens
cheese	Cheese
chicken wo skin	Chicken without skin
chicken w skin	Chicken with skin
chocolate	Chocolate (bars or pieces) e.g. hershey's M&Ms
chowder	Chowder
cider	Cider
oatmeal	Cooked oatmeal
coffee cake	Coffee cake
coffee	Coffee
cola	Coke, pepsi or other cola with sugar
cookies	Cookies
corn	Corn
corn chips	Corn chips
cottage cheese	Cottage or ricotta cheese
cracker	Crackers, triskets, wheat thins
cream	Cream
cream soup	Cream soup
cooked spinach	Spinach, cooked
tuna	Canned tuna fish
dark bread	Dark bread
dark meat fish	Dark meat fish e.g. mackerel, salmon, sardines, bluefish, swordfish
donuts	Doughnuts
eggs	Eggs
english muffin	English muffins

fresh apples	Fresh apples
French fries	French fried potatoes
fresh pears	Fresh pears
garlic	Garlic
grapefruit	Grapefruit
grapefruit juice	Grapefruit juice
hamburger	Hamburger
hotdogs	Hot dogs
punch	Hawaiian punch
ice cream	Ice cream
jams	Jams, jellies, preserves, syrup, or honey
kale	Kale greens
lamb	Lamb
lemonade	Lemonade
lettuce	Iceberg or head lettuce
liquor	Liquor e.g. whiskey, gin
liver	Liver
lobster	Lobster
other low-cal carbonated bev	Low calorie carbonated beverages other than cola, e.g. diet 7-up, diet ginger ale
low-cal cola	Low calorie cola
margarine	Margarine
mashed potatoes	Mashed potatoes
mayonnaise	Mayonnaise or other creamy salad dressing
mushrooms	Mushrooms
mustard greens	Mustard greens
mustard	Mustard
nuts	Nuts
oil-vinegar dressing	Oil and vinegar dressing e.g. Italian
orange juice	Orange juice
oranges	Oranges
pancakes	Pancakes
pasta	Pasta, e.g. spaghetti, noodles
peanut butter	Peanut butter
peas	Peas, or lima beans
pepper	Pepper (spice)
pie	Pie
popcorn	Popcorn
pork	Pork
potato chips	Potato chips
processed meats	Processed meats, e.g. sausage, salami, bologna etc
prunes	Prunes
rolls	Rolls
romain lettuce	Romaine or leaf lettuce
raw spinach	Spinach, raw as in salad
red wine	Red wine
salt	Salt
string beans	String beans
strawberries	Strawberries
scallops	Scallops
sour cream	Sour cream
sherbet	Sherbet
shrimp	Shrimp

skim milk	Skim or low fat milk
soy	Tofu or soybeans
sweet roll	Sweet roll
tea	Tea, not herbal
tomato juice	Tomato juice
tomatoes	Tomatoes
tomato sauce	Tomato sauce
turkey wo skin	Turkey without skin
turkey w skin	Turkey with skin
waffles	Waffles
watermelon	Watermelon
white bread	White bread
whole milk	Whole milk
white rice	White rice
white wine	White wine
yams	Yams or sweet potatoes
yogurt	Yogurt
squash	Yellow (winter) squash

Table S2. Spearman correlations between liking and intake of bitter, sweet, salty, sour and fatty foods

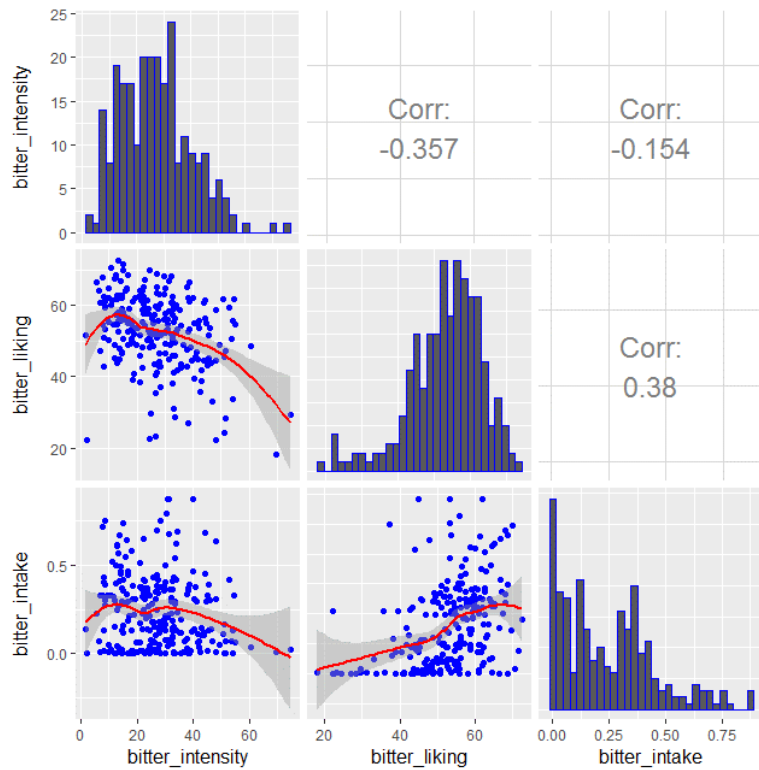
Food	Taste Class	% users	Median intake among users, servings/d	All		HPFS		NHS	
				<i>r</i>	<i>P</i>	<i>r</i>	<i>P</i>	<i>r</i>	<i>P</i>
red wine	bitter, sour	49	0.43	0.76	<0.0001	0.81	<0.0001	0.68	<0.0001
coffee	bitter	66	2.50	0.73	<0.0001	0.66	<0.0001	0.78	<0.0001
liquor	bitter	33	0.14	0.61	<0.0001	0.69	<0.0001	0.50	<0.0001
white wine	sour	47	0.14	0.61	<0.0001	0.64	<0.0001	0.57	<0.0001
beer	bitter	33	0.14	0.60	<0.0001	0.59	<0.0001	0.48	<0.0001
yogurt	sour	66	0.28	0.50	<0.0001	0.42	<0.0001	0.49	<0.0001
Brussels sprouts	bitter	30	0.07	0.49	<0.0001	0.57	<0.0001	0.49	<0.0001
orange juice	sour	49	0.43	0.45	<0.0001	0.49	<0.0001	0.39	<0.0001
chard greens‡	bitter	19	0.07	0.43	<0.0001	0.44	<0.0001	0.41	<0.0001
cola¶	sweet	33	0.14	0.41	<0.0001	0.36	0.0002	0.45	<0.0001
salt‡‡	salty	56	0.26	0.40	<0.0001	0.38	0.0001	0.43	<0.0001
jams	sweet	69	0.14	0.39	<0.0001	0.41	<0.0001	0.34	<0.0001
popcorn	salty	56	0.14	0.39	<0.0001	0.36	0.0002	0.42	<0.0001
processed meats	salty, fatty	47	0.14	0.39	<0.0001	0.37	0.0001	0.39	<0.0001
chicken with skin***	fatty	40	0.14	0.38	<0.0001	0.41	<0.0001	0.33	<0.0001
margarine	fatty	32	0.43	0.38	<0.0001	0.44	<0.0001	0.36	<0.0001
kale greens‡	bitter	19	0.07	0.35	<0.0001	0.29	0.005	0.37	0.0001
sour cream	sour	54	0.07	0.35	<0.0001	0.23	0.03	0.41	<0.0001
tomato juice	salty	27	0.14	0.35	<0.0001	0.23	0.02	0.39	<0.0001
mustard	bitter, sour	71	0.14	0.34	0.0003	0.34	0.0003	--	--
other SCB¶	sweet	33	0.14	0.34	<0.0001	0.25	0.01	0.40	<0.0001
grapefruit‡	bitter, sour	29	0.07	0.32	<0.0001	0.29	0.0028	0.34	<0.0001
mustard greens‡	bitter	19	0.07	0.32	<0.0001	0.33	0.005	0.31	0.004
butter	fatty	59	0.43	0.31	<0.0001	0.31	<0.0001	0.32	<0.0001
chocolates	sweet	78	0.14	0.31	<0.0001	0.30	0.002	0.34	<0.0001
mayonnaise	fatty	76	0.14	0.31	<0.0001	0.21	0.03	0.41	<0.0001
grapefruit juice‡	bitter, sour	29	0.07	0.30	<0.0001	0.29	0.0031	0.28	0.0008
turkey with skin***	fatty	40	0.14	0.30	<0.0001	0.27	0.007	0.31	0.0003
bacon	salty, fatty	54	0.07	0.28	<0.0001	0.27	0.006	0.27	0.002
cider¶¶	sour	17	0.07	0.28	<0.0001	0.27	0.005	0.28	0.0012
doughnuts	sweet, fatty	22	0.07	0.28	<0.0001	0.18	0.07	0.37	<0.0001
ice-cream	sweet	54	0.07	0.28	<0.0001	0.28	0.005	0.26	0.002
oranges	sour	63	0.14	0.27	<0.0001	0.38	<0.0001	0.18	0.04
candy bars	sweet	49	0.14	0.26	<0.0001	0.20	0.05	0.31	0.0002
corn chips‡‡	salty	71	0.14	0.24	0.0002	0.23	0.02	0.25	0.003
potato chips‡‡	salty, fatty	71	0.14	0.24	0.0001	0.24	0.01	0.24	0.004
French fries	salty, fatty	54	0.07	0.23	0.0003	0.37	0.0001	0.12	0.18
hot dogs	salty, fatty	53	0.07	0.23	0.0003	0.26	0.008	0.24	0.006
sweet roll	sweet	42	0.07	0.23	0.0003	0.22	0.03	0.26	0.002
hamburger	fatty	45	0.07	0.22	0.0006	0.31	0.001	0.11	0.21
nuts	salty	86	0.43	0.22	0.0006	0.36	0.0002	0.14	0.10
cake	sweet	43	0.07	0.20	0.002	0.20	0.04	0.23	0.007
oil/vinegar dressing	sour	87	0.43	0.19	0.004	0.29	0.003	0.10	0.24
pie	sweet	39	0.07	0.18	0.005	0.15	0.14	0.22	0.009
brownies**	sweet	67	0.14	0.15	0.02	0.13	0.18	0.20	0.02
cookies**	sweet	67	0.14	0.15	0.02	0.22	0.03	0.14	0.10
lemonade§	bitter, sour	27	0.14	0.09	0.15	-0.05	0.64	0.19	0.02
Hawaiian punch§	sweet	27	0.14	0.08	0.23	-0.06	0.60	0.15	0.09
cream	fatty	28	0.07	0.01	0.83	0.07	0.53	-0.01	0.89

NHS2: Nurses' Health Study 2; HPFS: Health Professionals Follow up Study; SCB: sugar-carbonated beverages

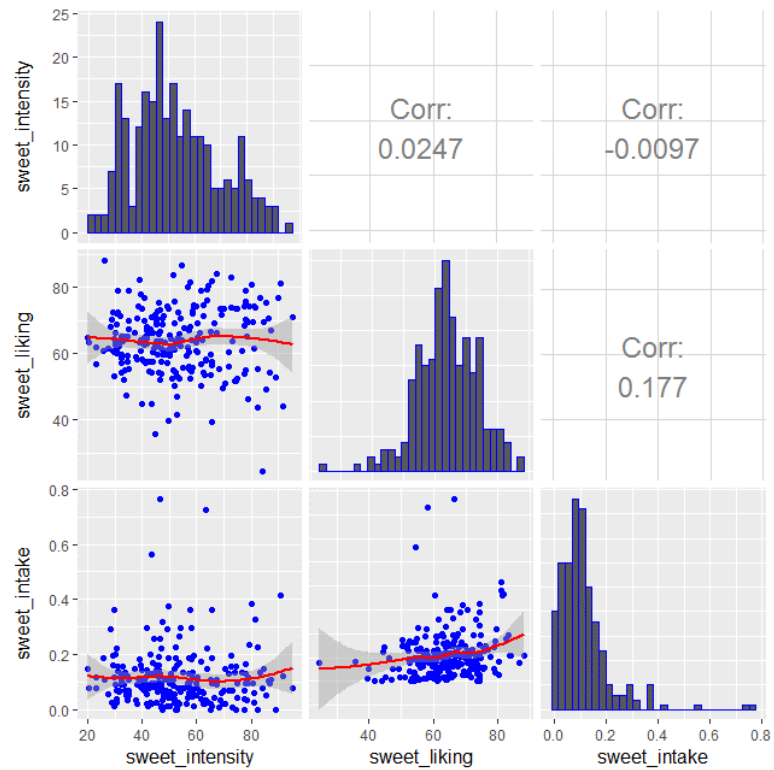
† Intake of grapefruit/juice
‡ Intake of dark greens
§ Intake of Hawaiian punch/lemonade
|| Available for HPFS only
¶ Intake of sugar-carbonated beverages
** Intake of brownies/cookies
†† Added salt
‡‡ Intake of corn/potato chips
||| Intake reported in 1991 (NHS) and 1990 (HPFS)
¶¶ Intake of apple/cider juice
*** Intake of chicken/turkey with skin

Figure S1. Distributions and scatter plot correlation matrices of food-based taste intensity scores and corresponding food-liking and food-intake scores. Scores are derived from the mean trait (intensity, liking or intake) value of the top bitter (A), sweet (B), sour (C), salty (D), or fatty (E) foods listed in Tables 2-6, respectively. Only Pearson correlations are shown (see Tables 2-6 for relevant Spearman correlations).

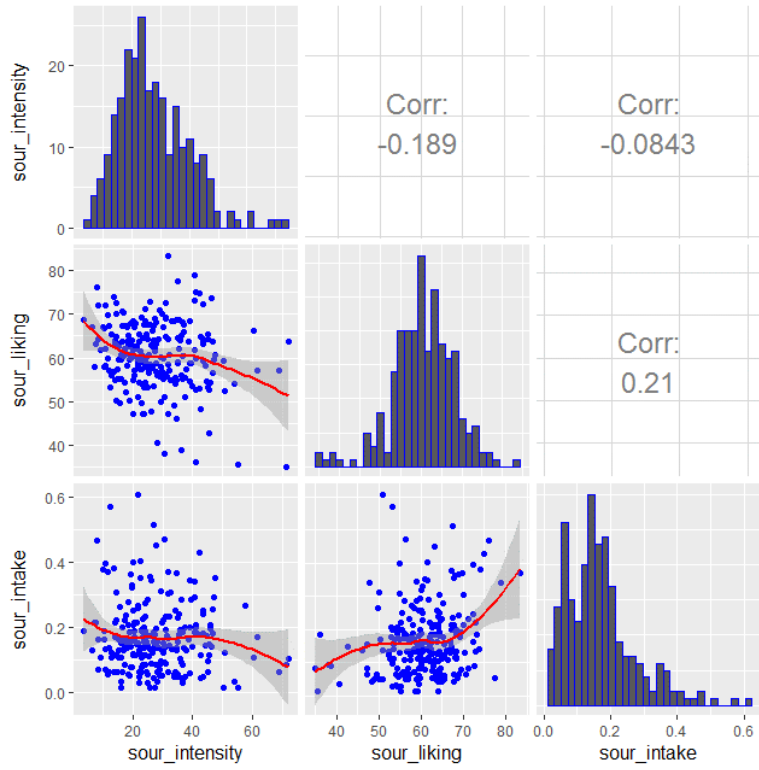
A. Bitter



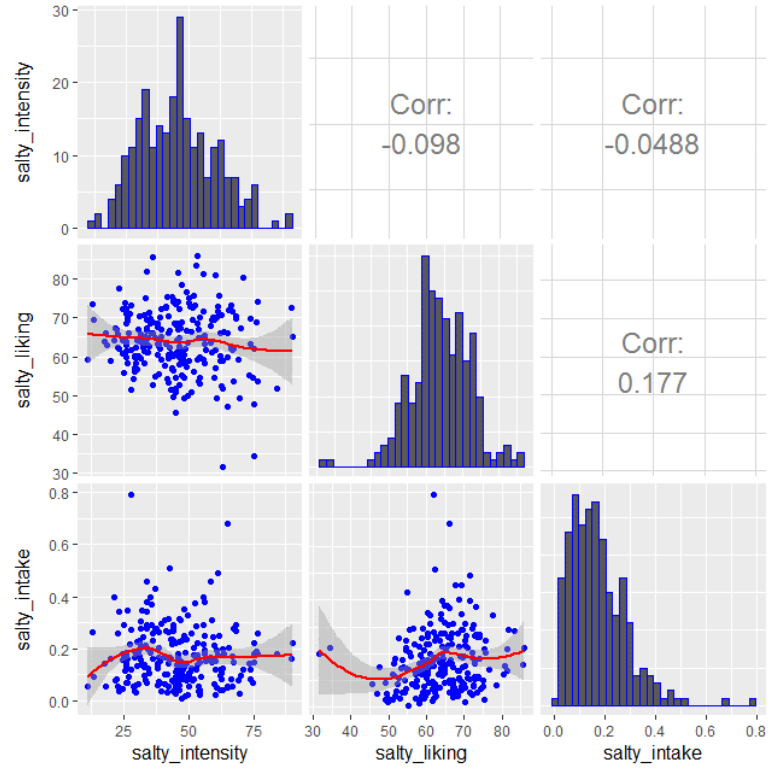
B. Sweet



C. Sour



D. Salty



E. Fatty

