

LACE Exercises 3–6

Investigation 1

Samples and Populations

Refer to the peanut butter data below.

HINT

You will need your homework from Problem 1.3 to answer some questions.

Peanut Butter Comparison

	Peanut Butter	Quality Rating	Sodium per Serving (mg)	Price per Serving (cents)	Regular/Natural	Creamy/Chunky	Salted/Unsalted	Name Brand/Store Brand
1.	Smucker's Natural	71	15	27	natural	creamy	unsalted	name
2.	Deaf Smith Arrowhead	69	0	32	natural	creamy	unsalted	name
3.	Adams 100% Natural	60	0	26	natural	creamy	unsalted	name
4.	Adams	60	168	26	natural	creamy	salted	name
5.	Laura Scudder's All Natural	57	165	26	natural	creamy	salted	name
6.	Country Pure Brand	52	225	21	natural	creamy	salted	store
7.	Hollywood Natural	34	15	32	natural	creamy	unsalted	name
8.	Smucker's Natural	89	15	27	natural	chunky	unsalted	name
9.	Adams 100% Natural	69	0	26	natural	chunky	unsalted	name
10.	Deaf Smith Arrowhead	69	0	32	natural	chunky	unsalted	name
11.	Country Pure Brand	67	105	21	natural	chunky	salted	store
12.	Laura Scudder's All Natural	63	165	24	natural	chunky	salted	name
13.	Smucker's Natural	57	188	26	natural	chunky	salted	name
14.	Health Valley 100%	40	3	34	natural	chunky	unsalted	name
15.	Jif	76	220	22	regular	creamy	salted	name
16.	Skippy	60	225	19	regular	creamy	salted	name
17.	Kroger	54	240	14	regular	creamy	salted	store
18.	NuMade	43	187	20	regular	creamy	salted	store
19.	Peter Pan	40	225	21	regular	creamy	salted	name
20.	Peter Pan	35	3	22	regular	creamy	unsalted	name
21.	A & P	34	225	12	regular	creamy	salted	store
22.	Food Club	33	225	17	regular	creamy	salted	store
23.	Pathmark	31	255	9	regular	creamy	salted	store
24.	Lady Lee	23	225	16	regular	creamy	salted	store
25.	Albertsons	23	225	17	regular	creamy	salted	store
26.	ShurFine	11	225	16	regular	creamy	salted	store
27.	Jif	83	162	23	regular	chunky	salted	name
28.	Skippy	83	211	21	regular	chunky	salted	name
29.	Food Club	54	195	17	regular	chunky	salted	store
30.	Kroger	49	255	14	regular	chunky	salted	store
31.	A & P	46	225	11	regular	chunky	salted	store
32.	Peter Pan	45	180	22	regular	chunky	salted	name
33.	NuMade	40	208	21	regular	chunky	salted	store
34.	Lady Lee	34	225	16	regular	chunky	salted	store
35.	Albertsons	31	225	17	regular	chunky	salted	store
36.	Pathmark	29	210	9	regular	chunky	salted	store
37.	ShurFine	26	195	16	regular	chunky	salted	store

SOURCE: Consumer Reports and Workshop Statistics: Student Activity Guide

1ACE Exercises 3–6 *(continued)*

Investigation 1

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3. Based on **price**, are creamy peanut butters or chunky peanut butters a better choice? Justify your answer using **statistics** and **graphs**.

HINT Refer to what you did in Problem 1.3. Do the same thing but analyze the peanut butter choices by creamy versus chunky.

4. Based on **price**, are salted brands or unsalted brands a better choice? Justify your answer using **statistics** and **graphs**.

1ACE Exercises 3–6 *(continued)*

Investigation 1

Samples and Populations

5. Based on **price**, are name brands or store brands a better choice?
Justify your answer using **statistics** and **graphs**.

6. a. List the four attributes:

- **natural** or **regular**
- **creamy** or **chunky**
- **salted** or **unsalted**
- **name brand** or **store brand**

you would recommend to someone who wants to choose a peanut butter based on price.

HINT Chose one attribute from each bullet above.

- b. Can you find **at least one brand** of peanut butter that **has all the attributes** you recommend?