Class Time:				
Names:				
SAMPLING AND DAT	га: Data Collect	TION LAB II		
Student Learning O	UTCOMES:			
stratif • The s	stratified, and cluster sampling techniques.			
NOTE : The following grouped horizontal		staurants stratified by <i>city</i> into columns and clusters).		
describe your proc	edure briefly, inclu	everal random samples. In each case, Iding how you might have used the random estaurants in the sample you obtained.		
SIMPLE RANDOM SAM	PLE			
Pick a simple rando	om sample of 15 re	estaurants.		
Procedure:				
 1. 2. 3. 4. 5. 	6. 7. 8. 9. 10.	11. 12. 13. 14. 15.		
Systematic Sample				
Pick a systematic s	ample of 15 restau	rants.		
Procedure:				
1. 2. 3. 4.	6. 7. 8. 9.	11. 12. 13. 14.		

STRATIFIED SAMPLE BY COST

Pick a *stratified sample*, by entree cost, of 20 restaurants with equal representation from each stratum.

Procedure:

1.	6.	11.	16.
2.	7.	12.	17.
3.	8.	13.	18.
4.	9.	14.	19.
5.	10.	15.	20.

STRATIFIED SAMPLE BY CITY

Pick a stratified sample, *by city*, of 21 restaurants with equal representation from each stratum.

Procedure:

1.	8.	15.
2.	9.	16.
3.	10.	17.
4.	11.	18.
5.	12.	19.
6.	13.	20.
7.	14.	21.

CLUSTER SAMPLE

Pick a *cluster sample* of restaurants from two cities. The number of restaurants will vary.

Procedure:

1.	6.	11.	16.	21.
2.	7.	12.	17.	22.
3.	8.	13.	18.	23.
4.	9.	14.	19.	24.

Restaurants Used in Sample (Example)

Entree Cost →	Under \$10	\$10 to under \$15	\$15 to under \$20	Over \$20
San Jose	El Abuelo Taq.	Emperor's	Agenda	Blake's
		Gard.		
	Pasta Mia	Creekside Inn	Gervais	Eulipia
	Emma's Express		Miro's	Hayes Mansion
	Bamboo Hut			Germania
Palo Alto	Senor Taco	Ming's	Scott's Seafood	Sundance Mine
	Olive Garden	P.A. Joe's	Poolside Grill	Maddalena's
	Taxi's	Stickney's	Fish Market	Spago's
Los Gatos	Mary's Patio	Lindsey's	Toll House	Charter House
	Mount Everest	Willow Street		La Maison Du
				Cafe
	Sweet Pea's			
	Andele Taqueria			
Mountain View	Maharaja	Amber Indian	Austin's	Le Petit Bistro
	New Ma's	La Fiesta	Shiva's	
	Thai-Rific	Fiesta del Mar	Mazeh	
	Garden Fresh	Dawit		
Cupertino	Hobees	Santa Barb. Grill	Fontana's	Hamasushi
	Hung Fu	Mand.	Blue Pheasant	Helios
		Gourmet		
	Samrat	Bombay Oven		
	Panda Express	Kathmandu		
		West		
Sunnyvale	Chekijababi	Pacific Fresh	Lion &	
			Compass	
	Taj India	Charley	The Palace	
		Brown's		
	Full Throttle	Cafe	Beau Sejour	
		Cameroon		
	Tia Juana	Faz		
	Lemon Grass	Aruba's		
Santa Clara	Rangoli	Arthur's	Birk's	Lakeside
	Armadillo Willy's	Katie's Cafe	Truya Sushi	Mariani's
	Thai Pepper	Pedro's	Valley Plaza	
	Pasand	La Galleria		

** The original lab was designed and contributed by Carol Olmstead.