

Data Set A.3 - CHAIN DATA

On the west coast of the United States is a chain of restaurants known as McDoogle's. Information about expenses, sales, and number of customers for the past year is gathered for a sample of restaurants in the northern part of the chain, and for a sample of restaurants in the southern part of the chain. For some restaurants, number of customers for the past year was not available.

(Expenses and Sales are in millions of dollars)

ID		Millions of			ID		Millions of		
<u>No.</u>	<u>Location</u>	<u>Expenses</u>	<u>Sales</u>	<u>Customers</u>	<u>No.</u>	<u>Location</u>	<u>Expenses</u>	<u>Sales</u>	<u>Customers</u>
01	South	1.0	0.1	3.5	16	North	1.0	8.1	3.9
02	North	1.2	1.8	4.4	17	South	1.9	1.7	1.5
03	South	2.8	4.0		18	North	1.4	6.7	3.5
04	North	1.9	6.1		19	North	0.7	3.8	
05	South	0.3	5.3	4.2	20	North	1.0	5.2	4.4
06	South	1.5	4.0	0.5	21	North	1.3	7.8	
07	South	3.4	7.4	5.1	22	North	2.4	5.1	4.7
08	North	1.0	3.6	3.7	23	North	1.2	7.8	3.7
09	South	1.6	2.2		24	North	1.7	7.7	4.5
10	North	0.9	7.5	3.5	25	South	1.4	2.8	3.7
11	North	1.6	4.6	3.1	26	North	1.0	4.9	3.5
12	North	1.9	8.0		27	North	1.2	8.0	
13	North	0.6	3.3	3.8	28	South	2.3	2.0	2.9
14	North	1.0	2.5	3.5	29	North	2.2	2.5	4.1
15	South	2.5	2.6	2.4	30	North	0.8	5.1	4.2

Data Set A.4 - STUDENT DATA

Data on area of residence (rsd), hours spent watching TV per week (tvh), hours spent studying per week (std), and high school grade point average (gpa) are recorded as follows:

Residence	Weekly	Weekly	High School	Residence	Weekly	Weekly	High School
(rsd)	TV Hours	Study Hours	GPA	(rsd)	TV Hours	Study Hours	GPA
	(tvh)	(std)	(gpa)		(tvh)	(std)	(gpa)
urban	29	17	3.11	suburban	30	29	2.88
rural	21	27	3.25	urban	23	26	2.60
urban	48	9	2.08	suburban	34	21	2.25
rural	30	22	3.31	urban	40	12	2.01
rural	28	28	2.79	urban	33	19	2.53
suburban	25	27	3.40	rural	17	29	3.56
rural	11	46	3.95	urban	44	10	1.97
urban	36	16	2.23	rural	33	19	2.99
rural	14	32	2.84	suburban	18	40	3.74
suburban	39	14	2.57	suburban	22	37	3.21
suburban	41	2	2.46	suburban	24	31	2.55
urban	20	35	3.42	urban	27	21	3.20
rural	13	41	3.36				
suburban	38	17	2.94				
urban	24	21	2.58				

Data Set A.5 - GPA DATA

For several freshmen at a certain junior college, high school grade point average (hsgpa), high school class percentile rank (cpr), verbal SAT (vsat), math SAT (msat), and college freshman year grade point average (cgpa) are recorded as follows:

High School GPA (hsgpa)	Class Percentile Rank (cpr)	Verbal SAT (vsat)	Math SAT (msat)	Freshman Year College GPA (cgpa)
3.38	80	650	530	3.26
4.23	89	610	660	3.48
3.95	95	630	520	3.59
2.89	62	460	530	1.84
3.26	96	540	640	2.77
3.25	55	590	690	2.22
3.92	77	640	600	3.53
3.79	91	590	530	3.22
3.33	66	610	610	2.82
3.20	73	700	690	3.46
3.70	71	560	620	2.53
3.43	57	490	500	1.98
3.38	60	490	600	2.70
3.40	78	710	580	3.48
3.12	61	510	510	2.59
2.71	60	560	490	2.04
2.92	55	610	510	2.58
3.66	79	550	520	2.90
2.63	58	660	570	2.50
2.87	59	620	600	2.46
3.72	60	520	630	2.44
3.18	83	520	610	2.61
2.83	70	600	630	2.82
3.35	92	630	560	3.23

Data Set A.6 - SMOKE DATA

Sex, age, height, weight, weekly nicotine intake, and diastolic blood pressure recorded for several smokers are as follows:

Id	Initials	Sex	(age) Age (years)	(hght) Height (in.)	(wght) Weight (lbs.)	(nct) Weekly Nicotine Intake (grams)	(dbp) Diastolic Blood Pressure
01	SD	Male	51	67	219	2.2	108
02	AB	Male	62	77	187	3.1	113
03	QC	Male	70	68	191	2.6	119
04	BC	Male	29	65	135	1.4	65
05	TR	Male	70	74	146	1.3	92
06	MA	Male	20	78	208	2.4	77
07	SS	Male	47	73	219	3.1	115
08	PB	Male	64	68	174	2.4	108
09	CD	Male	35	73	210	2.3	94
10	JE	Male	43	78	251	2.2	110
11	EW	Male	40	74	177	2.6	87
12	AA	Male	23	65	153	2.4	72
13	JS	Male	27	72	151	2.2	85
14	EP	Male	48	71	252	2.4	115

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Data Set A.6 - SMOKE DATA (continued)

			(age)	(hght)	(wght)	(nct)	(dbp)
Id			Age	Height	Weight	Weekly Nicotine	Diastolic
No	Initials	Sex	(years)	(in.)	(lbs.)	Intake (grams)	Blood Pressure
15	TK	Male	28	65	160	1.9	84
16	SS	Male	22	66			84
17	HS	Male	27	63	189	1.4	73
18	DK	Male	20	63	224	2.0	87
19	DS	Male	50	67	164	2.4	97
20	LG	Male	24	69	244	1.6	86
21	MH	Male	25	71	223	1.9	84
22	JR	Male	26	74	167	2.8	82
23	ST	Male	55	71	147	1.5	87
24	DW	Male	39	73	199	1.5	90
25	BS	Female	66	61	115	1.8	99
26	NN	Female	20	68	134	2.2	73
27	BM	Female	34	57	109	1.3	79
28	BM	Female	49	70	116	3.0	99
29	VW	Female	70	70	120	2.3	107
30	JO	Female	60	61	134	2.9	112
31	SB	Female	62	72	106	2.5	99
32	DV	Female	39	67	132	2.4	96
33	MH	Female	47	57	94	2.2	84
34	LF	Female	51	69	134	2.8	112
35	CH	Female	34	69	124	1.7	80
36	SH	Female	26	65	121	2.6	91
37	TP	Female	74	69	124	2.2	113
38	BG	Female	63			2.5	
39	DN	Female	50	62	101	2.1	79
40	DS	Female	27	61	133	2.7	88
41	GS	Female	35	65	114	2.0	89
42	LS	Female	45	61		3.0	101
43	LS	Female	42	60	106	2.7	88
44	GT	Female	52	64	93	2.3	81
45	CK	Female	47	61	139	2.5	107
46	LL	Female	30	71	135	1.7	86
47	PA	Female	51	69	140	3.3	105
48	JH	Female	62	62	140	2.5	107
49	AO	Female	66	69	125	2.9	119
50	KI	Female	62	72	104	2.7	100
51	TI	Female	54	59	122	2.7	100
52	ME	Female	54	58	140	2.2	102
53	TV	Female	66	75	131	2.6	112