COLINTA of Ma	ri Burchasad Biles										
Marital Status	No Purchased Bike	Yes									
		!		DDOD! EM 4	D 01 1/14 1/10/11 1						
Married	307	232		PROBLEM 1	,Bar Chart (Marital Status):						
Single	212	249)	How does the	count of bike purchases vary	among different marit	al statuses? Are ma	irried individuals m	ore likely to purch	ase bikes?	
	n Purchased Bike	N.									
Gender	_	Yes									
Female	252			PROBLEM 2	Bar Chart (Gender):						
Male	267	242	!	Build a bar gra	ph to compare the count of m	ale and female custor	ners. Does gender i	nfluence bike purc	hases, and if so, to	o what extent?	
	COLINITA (D										
Income	COUNTA of Purc										
10000											
20000											
30000											
40000											
50000											
60000											
70000											
80000			PROBLEM 3	Histogram (Inco							
90000			What is the dis	tribution of income	e among bike buyers? Are the	re specific income bra	ackets that show a h	nigher likelihood of	bike purchases?		
100000											
110000											
120000											
130000											
150000											
160000											
170000	0 3										
Grouped Age	COUNTA of Purc										
25 - 29	82										
30 - 34	136										
35 - 39	166										
40 - 44	167										
45 - 49	150										
50 - 54	110										
55 - 59	73		PROBLEM 4	Histogram (Age							
60 - 64	57		Create a histog	ram to understan	d the age distribution of bike l	ouyers. Are certain ag	e groups more inclir	ned to purchase bi	kes?		
65 - 69	44										
70 - 74	11										
75 - 79	2										
80 - 84	1										
85 - 89	1										
Grand Total	1000										

Income													
10000													
20000													
30000													
40000		PROBLEM 5	Box Plot (Income	-\-									
50000		identity outliers	in the income dist	indution of blke bu	lyers. Are there ar	ny extreme income	values, and now	might they impa	let purchasing ben	avioi ?			
60000				04		00							
70000			min	Q1	med		max						
80000		income	10000	47500	85000	122500	170000						
90000													
100000													
110000													
120000													
130000													
150000													
160000													
170000													
Desien	COUNTA of Reg												
Europe	300												
North America	508		PROBLEM 6	Pie Chart (Regio									
Pacific	192		Represent the d	listribution of bike	purchases by reg	ion using a pie ch	art. Are there reg	ons where bike p	ourchases are nota	ably higher?			
COUNTA of Cate		OL LA											
		Old Age	Young Age										
10000	42												
20000	33	26											
30000	65	34											
40000	86	38											
50000	32												
60000	108	49											
70000	75				PROBLEM 7	Scatter Plot (Inco							
80000	57	32			Create a scatte	r plot to investigate	the relationship	between income	and age. Do indiv	iduals with highe	r incomes tend to	be in specific age	groups?
90000	24	14											
100000	22	7	7										
110000	15	1											
120000	11	6	6										
130000	17	15	5										
150000	3	1											
160000	2	1											
170000	1	2			1				1				

COUNTA of Purchased Bike		Purchased Bike										
Marital Status	Gender	Yes	No									
Married	Female	109	132									
	Male	123	175	PROBLEM 8	Stacked Bar Ch	art (Marital Status	& Gender):					
Single	Female	130	120	How does the d	istribution of bike	purchases differ w	hen considering	both marital status	and gender simu	ıltaneously? Are tl	nere notable patte	rns?
	Male	119	92									