

3. Interpret the following computer cross-tab output including a χ^2 test. Variable COMMUTE is "How did you get to work last week?" Variable GENDER is "Are you male or female?" Comment on any particular problems with the analysis.

COMMUTE * GENDER Cross-Tabulation					
			GENDER		Total
			Female	Male	
COMMUTE	At Home	Count	6	10	16
		% within COMMUTE	37.5%	62.5%	100.0%
		% within GENDER	7.0%	17.9%	11.3%
		% of Total	4.2%	7.0%	11.3%
	Bus	Count	16	16	32
		% within COMMUTE	50.0%	50.0%	100.0%
		% within GENDER	18.6%	28.6%	22.5%
		% of Total	11.3%	11.3%	22.5%
	Drive	Count	32	17	49
		% within COMMUTE	65.3%	34.7%	100.0%
		% within GENDER	37.2%	30.4%	34.5%
		% of Total	22.5%	12.0%	34.5%
	Passenger	Count	24	9	33
		% within COMMUTE	72.7%	27.3%	100.0%
		% within GENDER	27.9%	16.1%	23.2%
		% of Total	16.9%	6.3%	23.3%
	Walk	Count	8	4	12
		% within COMMUTE	66.7%	33.3%	100.0%
		% within GENDER	9.3%	7.1%	8.5%
		% of Total	5.6%	2.8%	8.5%
	Total	Count	86	56	142
		% within COMMUTE	60.6%	39.4%	100.0%
		% within GENDER	100.0%	100.0%	100.0%
		% of Total	60.6%	39.4%	100.0%