

### Answers to Chapter 11 & 12 Problems in Triola

Section	Prob	Solution
11-2	10	Test $\chi^2 = 4.600$ , crit $\chi^2 = 7.815$ , students can't
	12	Test $\chi^2 = 9.472$ , crit $\chi^2 = 12.592$ , babies don't care what day
11-3	08	Test $\chi^2 = 6.913$ , crit $\chi^2 = 3.841$ , (Technology gives $P = 0.0086$ ). There is sufficient evidence to warrant rejection of the claim of independence between intoxication of the driver and intoxication of the pedestrian.
	10	Test $\chi^2 = 25.719$ , crit $\chi^2 = 3.841$ , association, not cause
	20	Test $\chi^2 = 4.737$ , crit $\chi^2 = 6.251$ (Technology gives $P = 0.1921$ ). There is not sufficient evidence to warrant rejection of the claim that wins are independent of the sport..
12-2	12	Test $F = 1.3432$ , crit $F = 3.2389$ , $P = 0.2956$ . Fail to reject $H_0 : \mu_1 = \mu_2 = \mu_3 = \mu_4$ . Can't claim that larger cars are safer.