

Problem set is due Friday, Apr. 17th at the beginning of lab. Numbered exercises come from OpenIntro Statistics, 4th ed. You must show your work (on problems that require it) to receive credit. Please write legibly.

Chapter 6

1. 6.32
2. 6.34
3. 6.36
4. 6.38
5. 6.40
6. 6.50
7. For murders in the United States in 2005 having a single victim and a single offender, the table below classifies the race of the victim by the race of the offender. Is the race of the victim independent of the race of the offender? Perform the appropriate test and state your conclusion.

Offender race	Race of victim	
	White	Black
White	3150	230
Black	516	2984

8. An enterprising graduate student collected the following data on party identification and love of Nickelback from 100 UR undergraduates. Are the two variables independent? Perform the test and state your decision.

	Love NB	Hate NB
Democrat	16	33
Republican	29	22