

Chapter 2 review

1. Drivers at an intersection are classified by type of vehicle (Car or Truck) and safety belt usage (Buckled, Unbuckled). After one hour's observation, the following table

was collected:

	Buckled	Unbuckled	Total
Car	115	62	177
Truck	53	51	104
Total	168	113	281

- (a) Compute and interpret the odds ratio for this example
- (b) Which sampling model (Poisson, Binomial, Multinomial, Product Multinomial) seems most appropriate here (see Section 2.1.4)?
- (c) Is one of the variables a response variable? Which one?
- (d) What type of study is this (see Section 2.1.6)?