

11 Poisson and Gamma

Note Title

11/1/2011

- Today
- count dependent variables
 - bias-variance trade-off
 - lifetime dependent variables (?)

Summary thus far (and farther)

Dependent variable is ...	Usual Distribution	Canonical Link	Treated in Chapter	Distribution in Appendix
Continuous, unbounded	Gaussian	Identity	Chapter 6	Appendix A.4
Continuous, bounded by zero	Gamma	Inverse	Chapter 10	Appendix A.7
Discrete, dichotomous	Binomial	Logit	Chapter 7	Appendix A.1
Discrete, count	Poisson	Log	Chapter 8	Appendix A.2
Discrete, limited	Multinomial	Logit	Chapter 9	Appendix A.1

Table 6.1: *A listing of several classes of dependent variables and appropriate distributions and links, and the chapter in which we discuss the variable class more closely.*

