Blos 6622 Models for logged data Rainfall from seeded us control clouds / = rainfull (mm) Y:= m + ms + E; E; is N(0,02) Seeding assoc with us mm more rain Additive effect log y:= m + Ms + 3; , 3: " N(0, T2) Y = e . e . e 3; Seeding assoc with ems times more rain Multiplicative effect Showed errors Arinal train and body weights

Xi = body wt

Yi = brain wt /og/= a + 6/og X; + E; , E; is NO, TZ) Y = e e log x: e = e x; e : A factor of k change in X - a factor of kb change in Y.

From R, 2 = 2.13, 5 = 0.75 E.g. A mammal + wice as big (k=2) has a brain Z°.75 = 1.68 Ames es big. Brains don't increase as fast as bodys. Main idea: log scale -> Multiplicative effect