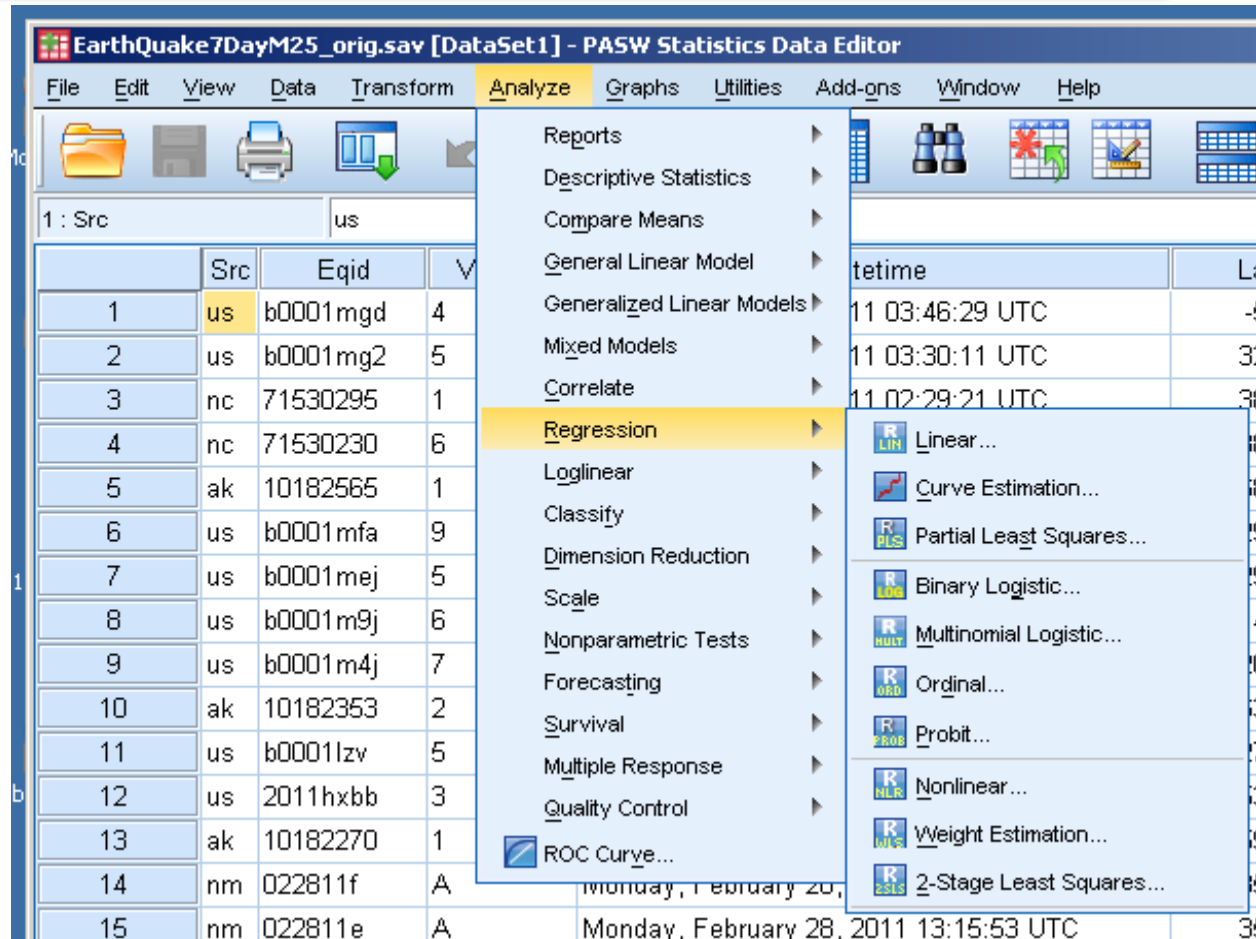# SPSS Regression

Fall 2014

Regression
EarthQuakeSmall.sav
in CS 130 Public
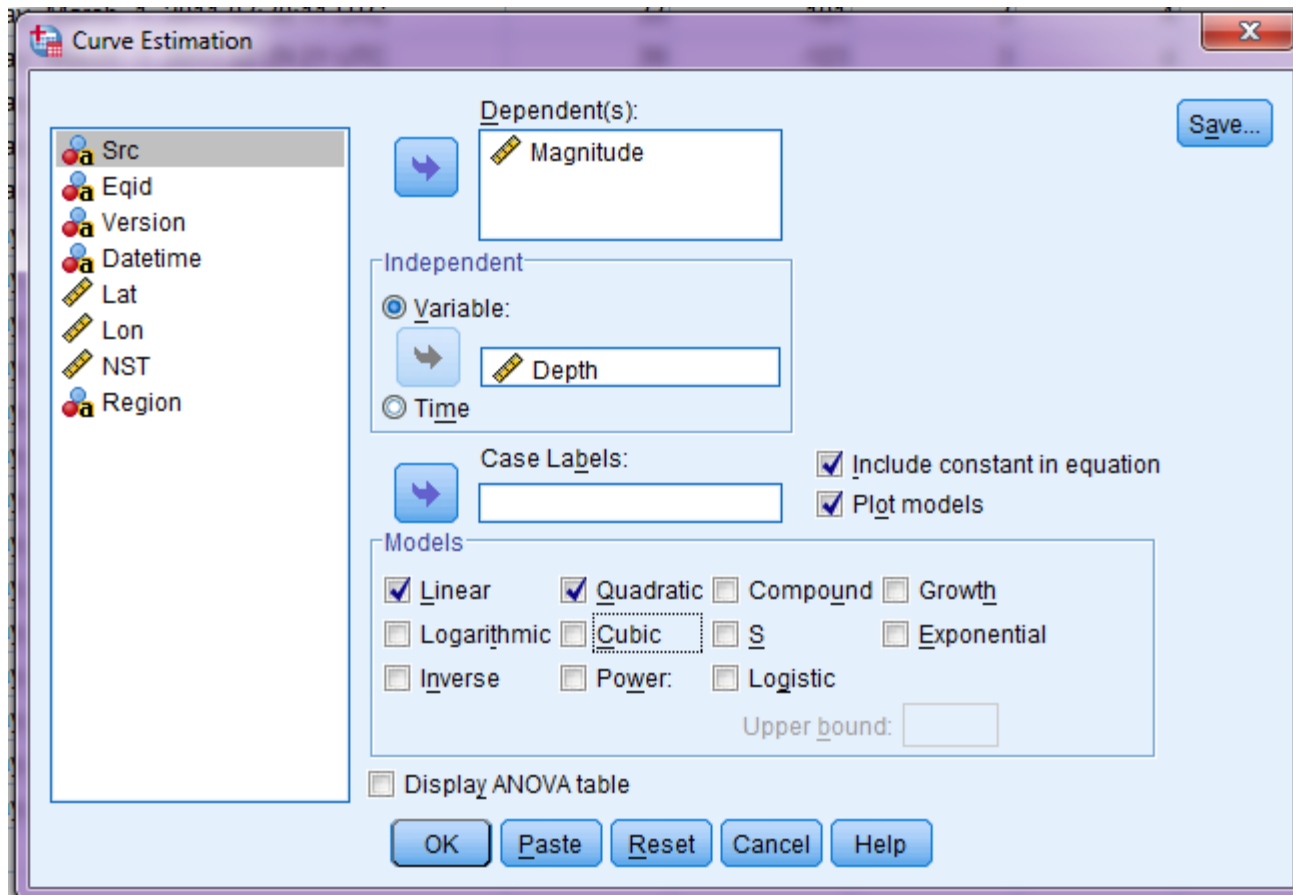
- Analyze |
- Regression |
- Curve Estimation

Regressions continued

Model Summary and Parameter Estimates

Dependent Variable: Magnitude

Equation	Model Summary					Parameter Estimates		
	R Square	F	df1	df2	Sig.	Constant	b1	b2
Linear	.039	.737	1	18	.402	3.848	.002	
Quadratic	.066	.603	2	17	.558	3.715	.010	-1.685E-005

The independent variable is Depth.

Equations?

R^2?

Magnitude

Depth

○ Observed
— Linear
—· Quadratic
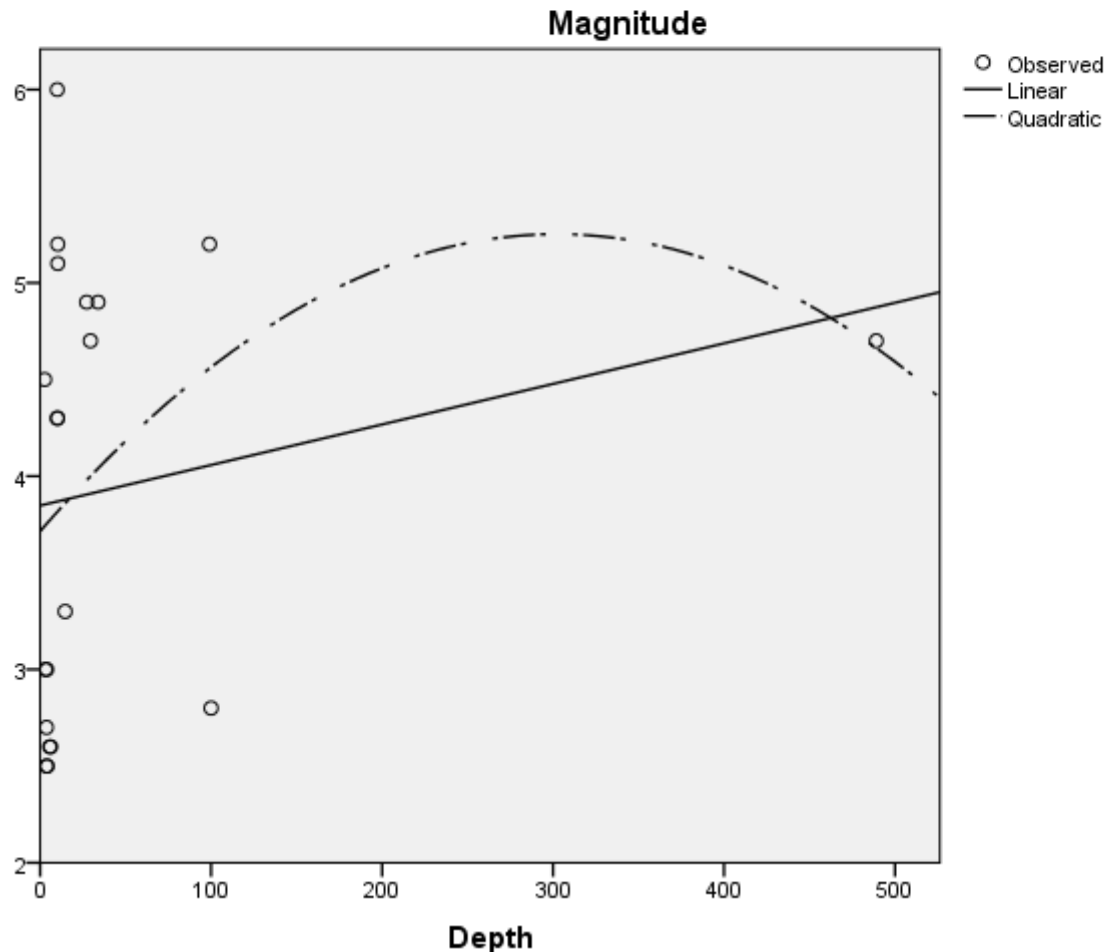
y=
x=

Linear:
y = mx + b

m =
b =

Quadratic:
$y = ax^2 + bx + c$

a =
b =
c =