# SPSS Regression

## Winter 2014

# Regression
## EarthQuakeSmall.sav
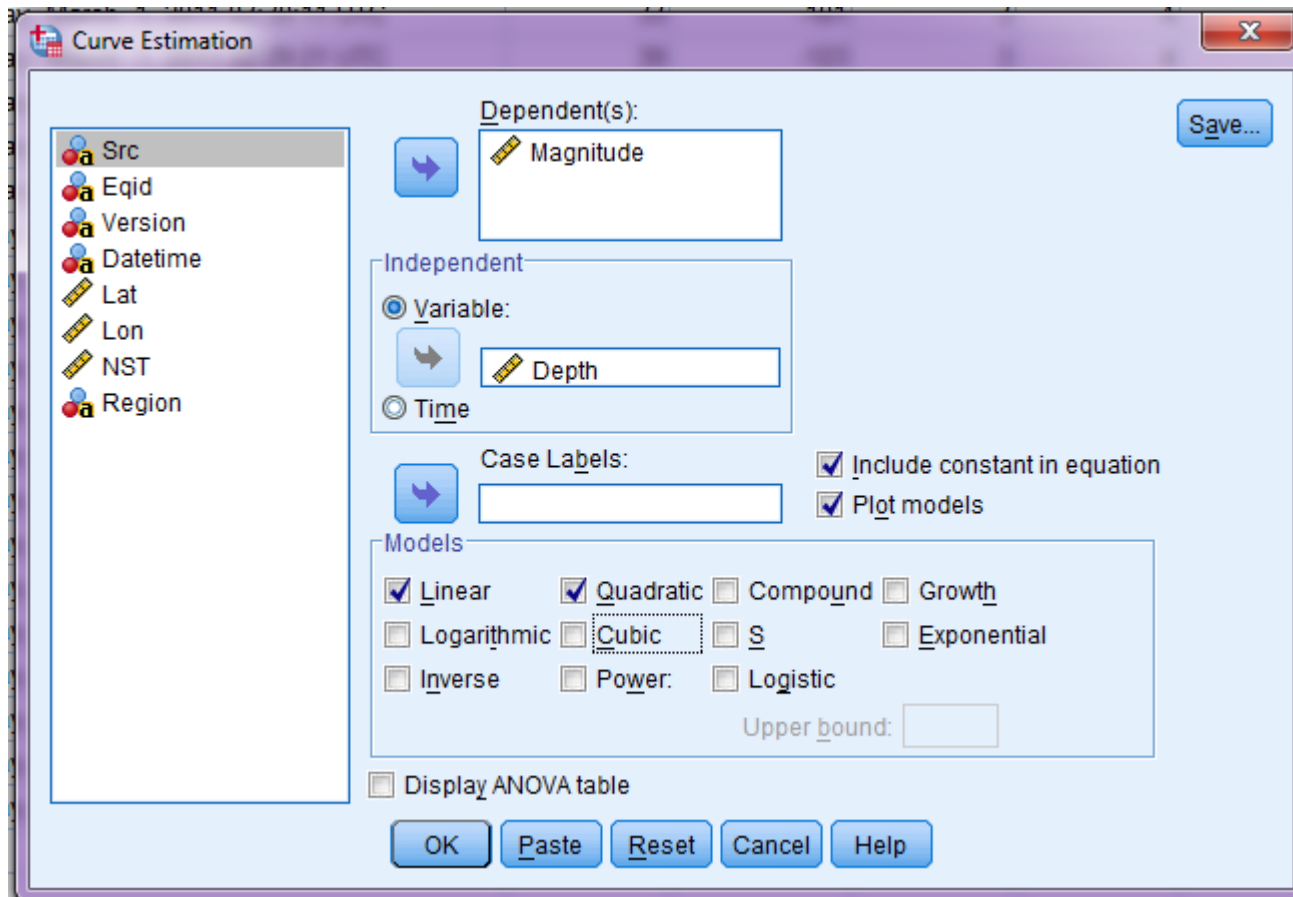## in CS 130 Public

- 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.

**Magnitude**



Equations?

$R^2$?
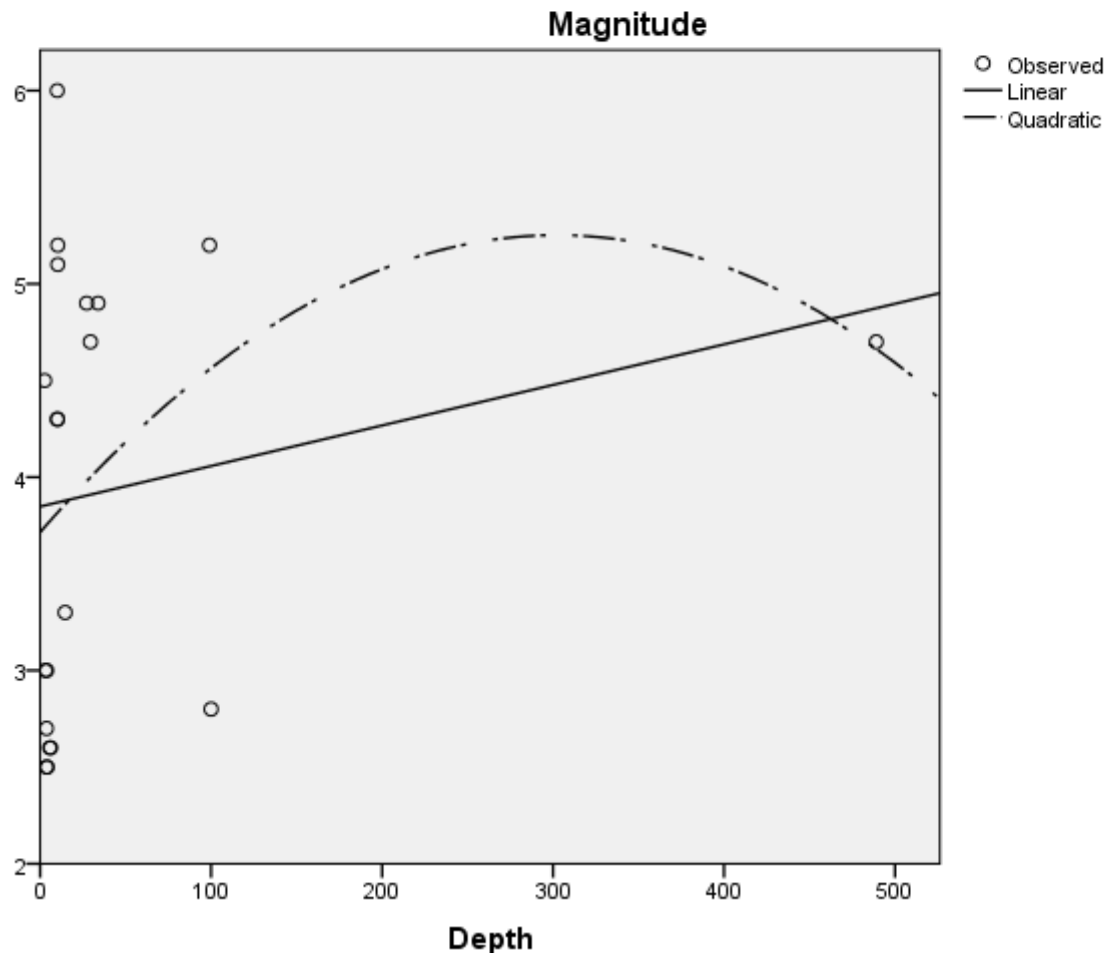
**y=**
**x=**

**Linear:**
y = mx + b

m =
b =

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

a =
b =
c =