

# UDL for Quantitative Spatial Analysis: GEOG 701

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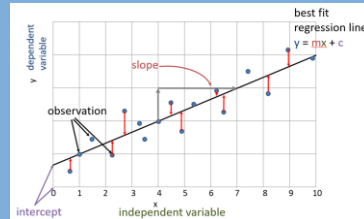


• Multiple means of representation to give learners various ways of acquiring information and knowledge

## Text

Regression starts with correlation, and it is, in a sense, beginning with a simple line from geometry.

## Visual



## Mathematical

$$r = \frac{1}{n-1} \sum_{i=1}^n \left( \frac{x_i - \bar{x}}{\sigma_x} * \frac{y_i - \bar{y}}{\sigma_y} \right)$$

## Video



• Multiple means of expression to provide learners alternatives for demonstrating what they know

Technical topics have:

- (1) Discussion
- (2) Lab exercises
- (3) Potential inclusion in paper

• Multiple means of engagement to tap into learners' interests, challenge them appropriately, and motivate them to learn  
Engagement through:

- (1) Readings
- (2) Modules, including 'Check Your Understanding' questions
- (3) Practical work in labs and term paper
- (4) Choice of technical topics