What's the most important thing about a class? Challeying /
Work > 250 Strictness 50 25 Students 150
Travis
Travis
150
Teaulur 50
Admin 10 125-1200 15 -> 50 Were students (2) What group is worth likely structures is strictured temporer aut 90 of students Picked (Travis. advisor. 25

X, Y are duta sets are X & Y rolated to each other? Of Correlation: correlation + causation

(association "symmetric

relationship" 2 pregression - make predictions tuse to prove causality 1) response variable (-) Y

Explanatory Variable (-) X (one or more)

Covariance:

$$Cov(X,Y) = \frac{1}{n} \cdot \sum_{i=1}^{n} (x_i - M_X) \cdot (y_i - M_Y)$$

$$x + charges order$$

$$x +$$

Cos(XX) = Var(X) $-\frac{1}{2} \int_{X}^{X} 2$ $COV(X,Y) > 0 \sim (X_i - M_X)(y_i - M_Y)$ is more (7) $Cov(X_iY) = \sum_{i=1}^{\infty} (x_i - M_X)(M_i - M_Y)$ Will be both above means or Joth below means (more offen for not)

gwestus a reasure how chage in X is associated to chayes in V. mear coure la l'on When 2 variables we of associated.

Linearly associated. COV (X, Y) always in 6/t 2-1,17 negative

Imear correlation b -> + 1 position Correlation (-> 0 Mon linear conselation. X, y ave independent if cov(X,Y) = 0but (=0 7 indep!

