- Cont. Issues Economic analysis
- Game theory - Econometrics: Causal inference, Panel + survey data

Credibility Revolution

1. Context. Why? – Hail 2. What was it? – Graham

Sandwiches Sleep

- 3. Ill effects a. Not enough focus on external validity – Kori
- b. Too much focus on small questions Jake
- 4. Rebuttal to #3 Maverick

Regression

Logan	8	7	- Females: 1.33
Hail	2	8	- Males: 4.25
Maverick	2	6	- Total: 4
Gus	2	8	
Kori	1	5	$\min \sum_{i} (S_i - \hat{S})^2$
Nicole	1	6	$2\sum (S_i - \hat{S}) = 0$
		7	$\sum S_i = \sum \hat{S} = 7\hat{S} = n\hat{S}$
Graham	5	/	$_{\hat{c}}$ $\sum S_i$

Average Sandwiches:

Split the prediction equation for males and females

Best predictor value is the average number for that group

Regression: Compute
$$E(y|x, x_1, x_2, x_3, ..., x_k)$$

$$\sum_{i \in J} (x_i - \hat{y}_j)^2 \rightarrow \hat{y}_j = \sum_{i \in J} E(y|j)$$

$$\hat{y}_{i} = \hat{\beta}_{i} + \hat{\beta}_{i} \times_{i} + \hat{\beta}_{i} \times_{i} + \hat{\beta}_{k} \times_{k}$$
Small # groups, Categorical Wars
ANONA

E(Y)X)=XB +15near Function of x

7										
rector of x				×			\mathbf{y} . $\mathbf{E}(\mathbf{y} \mathbf{x}) - \mathbf{y}$			
Υ	X1	X2	Х3	X4	X0	В	Books			
	1	40	3		1	B1	Zesness:			
	0	90	8		1	B2	TYNCHY			
	0	75	12		1	В3				
	1	66	8		1	B4	$+\tilde{y}$			
	1	12	7		1	B5				
	1	11	9		1	В6				
	0	103	6		1	В7	X. Y			
	1	41	5		1	В8	7 7 74			
	0	52	4		1	В9	V= Auplaced			
							J= Averages IF I drew if right, there would be a line for the regression			
							be a line for the rearcssion			
7										

E(yIX)

17 min & (y: -7:)2 $\frac{dSS}{dz} = -25(x_1 - \beta_0 - \beta_1 x_1 - \dots) X_{i_1} = 0$ 3 = (XXX)'X'Y

=B, +B, Sex, +B, SleeA, +B, Income; +B, Ad; +E;

Consumer surplus Producer surplus Deadwefight LOSS

Government revenue