1/9 1. EDA via Data Wangling Done in Practice Midtern I 2. EDA via Visualizations Done in Practice Miltern I 3. Regression model using priming number a) Mean # of countries gressed for baseline group: those primed with "I't countries" (as opposed to "9t countries") b) Difference in mean # of countries gressed for 9f group relative to 14 group. ie. on any they grassed + 34.7 contries more c) intercept priming of conties

2/7 λ) $\times \times \times = 29.5$ Yxx = 29.5+34.7=64.2 Q) XXX = 29.5 AAA = 64.2 BBB = 120 - 64.2 = 55.8 f) No wong answor, this is However, look @ 95% confidence interval for priming 94 countries in regression table two pages back (page 6). It is [20.2, 49.2] contic) DOES NOT counties 12. Susgestive of meaningful difference.

3/9 4. Regression model vsin height Done in Practice Miltern I. bt look @ f): L Is slope of for height = -1.86 I significantly different than 0? Look @ regression table two pages back (page 9) I The 95% CZ for the shipe E Ru height is [-4.57, 0.854] includes O If slope = 0, suggestive of

NO Relation ship between

height and # of

cantries gressed. DUH!! Why would the two variables me related?

Much harden 4/9 Shand Mg than you can expect 1. Souttle Horse Prices a) ble those variables were night-skewed 19 347 3.35 S b) logi(price) = 3.33 + 0.69 * logio(size) c) log, (price) = 3.33 + (-0.883) + (0.69 + 0.31) logo(size) = 2.447 + | x logie (size) d) 2.447 + logio (1000) = 2.447 + 3 = 5.447 = logio (price) thus price = 105.447-\$279,898

5/9 Parallel slopes model 0) interest 1-910_size & Single slape Condition 2 2. Sampling scenarios a) See next page b) Yes, blc it is random Sampling, thus the sample is representative of bowl,

Jo estimate is good! c) While the sample size is large, are these 1000 pennies REPRESENTATIVE of all US panies in circulation? May be? Are they never? d) Again, are these 38 220 students REPRESENTATIVE of ALL Smithies?

6/9

3	Smithing	Population slope	β_1	<i>n</i> =?	Fitted slope	b_1	744
2	N=? Who Knows?	" population	7		Sanyle	()	2013.56
1	1 N= ?	population proportium	2	$\sum_{n=\frac{7}{2}}^{n}$	Sample	2 >	312
Scenario	Population	Population parameter name	Population parameter mathematical notation	Sample size	Point estimate name	Point estimate mathematical notation	Point estimate numerical value

7/9 2. d) Continued. Mee this involves asking yourself about BOTH varlow assignment AND. -Random sampling: Is sample of 38
220 students representative of
population of all smithies. - Random assignment: It we randomly assign treatment & control, can we make a causal statement? 3. Short Answer
a)-Clinical Trial Randomized Controlled trial
-Randomized Experiment that
uses blocking. - Mee A/B test is used in the context of internet testing. b) While Kingey has a large sample size n

3.5) continued.

his sample is probably No representative of all US males. Thus his conclusion probably dues NOT all US males. My vs off. 25%

9/9 4. Sampling dist'n b) It will get namoner ie. SE will go dun c) Standard Error