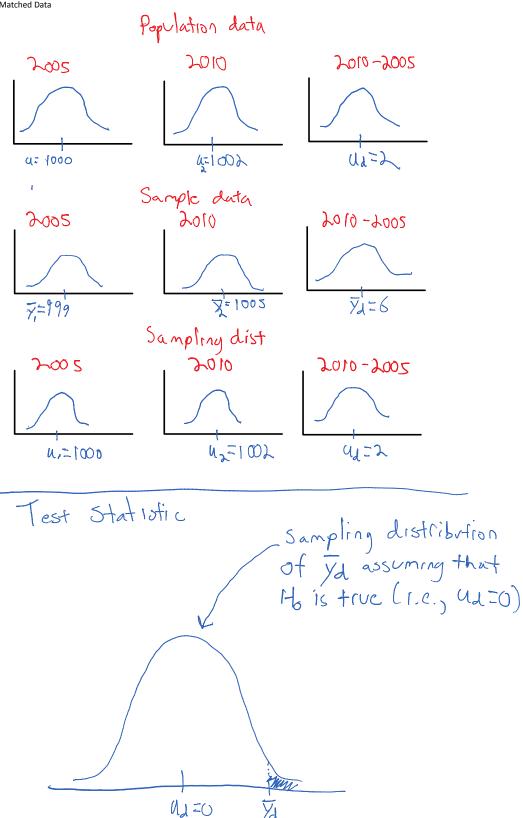
Lecture 10, comparing groups 2

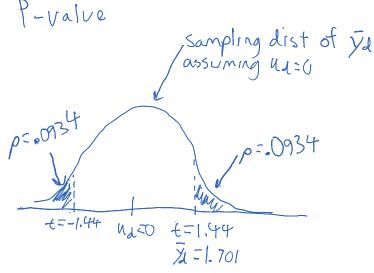
Saturday, October 20, 2012



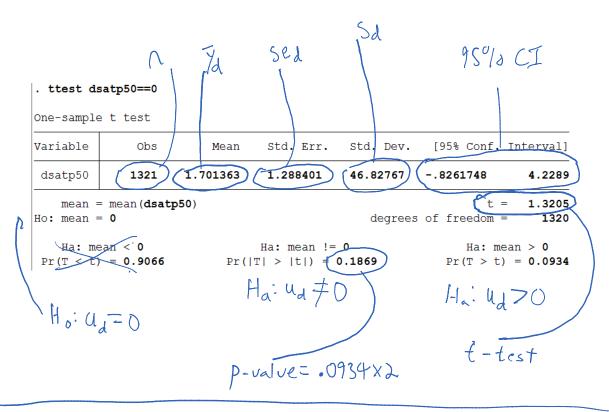


Test statistic: How unlikely would it be to observe the point estimate we observed if the null hypothesis was true

lectures Page 1



p-value = Pr(065>1.44)+pr(065<-1.44)=.0934x2=.1868

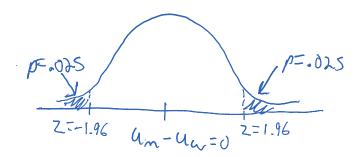


Type I error
Ho: Umen-Unomen = 0
Ha: umen-unomen = 0

A = .05

Show rejection region on Sampling

distribution



What is probability of making a type I error?

Significance test for Regression Coefficient

Sampling distribution

of Bern assuming

Ho is true (1.e. BGPA=0)

Barn=0

3 150

b2004v2cat8	Coef.	Std. Err.	test statist	1.	-valve two sided)	95% (I / of B Interval)	•
hsqpaw	.6141679	.0355743	(17.26)	0.000	.5444345	.6839013	
pareduc	.1871284	.0147169	12.72	0.000	.1582802	.2159767	
sat100	. 4336535	.0109311	39.67	0.000	.4122261	.4550809	
female	.1130442	.0354756	3.19	0.001	.0435044	.1825841	
black	.5954396	.0591407	10.07	0.000	.4795111	.7113681	
hispanic	.2082926	.06008	3.47	0.001	.0905228	.3260623	
asian	.2600058	.0562783	4.62	0.000	.1496881	.3703234	
native	.1333464	.1954941	0.68	0.495	2498644	.5165572	

hispanic	.2082926	.06008	3.47	0.001	.0905228	.3260623
asian	.2600058	.0562783	4.62	0.000	.1496881	.3703234
native	.1333464	.1954941	0.68	0.495	2498644	.5165572
mixedoth	.1011369	.0846062	1.20	0.232	0647095	.2669833
_cons	-3.151401	.1124993	-28.01	0.000	-3.371924	-2.930877
	nl Bepa	SeBGPA		tŝ _{GPA}		

Sometimes regression output in journal articles looks like this:

. est store mod1

. est table mod1, star b(%9.3fc)

