

(eg. space snuttle momentual of non-barraged data do;)

Lineal Regression

- using regression line (Y= a+ bX)

- spealing independent (X) and dependent that user.

√ Determined by least square method

GEK MKS		
Sampling		
- 40W Data is generated	(cg. Drug Testing (Disease)	
- Generale own Data set / use public ones?	unit - includual y disease	
- Terminology: "bnit", "population", "sample"	pops - collection or all individuals defined above	Called at the second
census - measurement from any unit in paper sample - measurement from some selected unit in paper	sample - collection of individuals placed under experiment	
Adv at sampling over taking census: _ Speed, cost, according	ossible (eg. Disease/Blood scripte)	
Chtr fro	ock force)	
compling frame) list of sappling units used to identify all units in p	ppo feg house activess	
e Eug unit in pops has possibility to be sampled	exple in HDB houses)	
o sh saedion bias		
· simpleste samping frame: list or units in pop.		
Characteristics of good frame	dw or	
o Good coursige		
 Up-to-date & complete 		
-) indusion of undesired units will not indicase north	tem of this.	
	Transfer of States	
Probability Empiring Plan		
Smple Random Sampling (sure pob of		
(ed.) Systematic Sanding Conficiency of exection : - could be	eg. 110 conts in pape,	
- an apply to situation when exect size of popul and whown (rough estimate)	
- treated life. Simple Random Scapling IF Sampling units arranged randomly	Sandrey unt = C6, 17, 28]	
× no Understable sumple if sampling units arranged cyclical	是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	
[12] 9 8 8 P F F		
TINA XX.EX		
Sample Interval = A popul		
69- Stratified Sampling Plan God Male & Femor		
ande populato grips ("strato") feg. Country os s	state	
- can inclu setting quotas		
(3) Multistage Sampling Plan		
- In may studies, several studies of each warray	(more acuate) /	
sawring req. or established popularity	[Couster Southing] - Synding frame - List of physician	
(eg.) Iril of houses	- Sunding frame - List of physician - From each physician, only some o	
[SMyle Random]	patients included in study.	of tyles designed
Difficulties in Sampling one member ran injerviewed	f 2-stage 7	karte - total -
a Using imported sampling frame	[sampling]	
- exclude desired 2 include unummed		
a leading trapp is increase cost of study		
3 Assess inpact of excluding these units in own study		
Non-Response nort		
- Not annone within tak pet in study	L'en mont	
4 incentive increase response rate (eg. Medicine Stud		
O Getting Voluntee/Salf-selected scarpling [Alia non-pr	op sombrud)	
(eg.) News / Media conduct poils on website		
horas as only people is strong views willing to	you will be	
Using a Convenience or Haphorauch Sample	works his discortion	
Tuting a Judgement Simple: interneus choose	(designation from Strathfield)	
Selecting a Quota Sample Ctypical in Market Re Sconnare prop of quita sample to cortegory units /	consus units - the convenience sample to hit Quita	
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		

Statistiction John Tulwy "I would trade all your 18,000 case histories for 400 in a profit sumple"

to exclude one and of person i) Selection Bias from sample 2) Non-response Bias - imperfect sampling frame ... other types Coused Bus "> Non probability sampling methods Systematic-tendency from subjects who do not respond to survey I questionally Coused By -- Diff the non-respondent & respondents * non-response rate T han-response bias significance T other types of Bros · Phrasing of an I tore lattitude of internew (including order) · When subj have tendency to undustate undestruite social habits (like smaking) -) Conclusion (to mnimize bias in survey) 1. Indude every paper until in France 2. Use prob scarping frame

Systematic tendency on the part of sampling procedure

measuring uncertainty Unit :

the measure of likelihood Probability

personal Prob Relative Freque Interpretation can't be exactly igh be quantified grantified cased on our Based on repeated osseral belief bosevatan et platames

times over the long run -> Proportion of



