N-02-202 <del>4</del>	Thursday
Lecture #4	
	NAME OF THE OWNER, WHEN THE OW
* SCIENTIFIC RESEARCH :-	
to investigate/explore	
Systematically	
(step by step)	
(step ey step)	
a di maka di a Abia.	
O Identification of a Problem:	
ANGER / HAPPINESS	
texplore the problem	***
6 Review of Literature . 4 Through articles etc	
### 10 HT 10 H	
3 Formation of Hypotheses	
La tentative statement	
example: sleep time & list scores (have a linh)	
→ Hypotheses could be right or wrong	
→ links two or more variables	
1 Selection of Research Method:	
O OLIGINI 4 MANUAL INC.	
-> Crucial method	
→ HOW, WHERE, WHY	
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일이 되었다. 그런 이 이 보고 있는 이 사람들은 사람들이 되었다. 그런 그는 사람들이 되었다. 그런	7
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(a) Data Collection:	.)- .,-
→ through surveys, interviews, questionnaires	,
€ Analyze. the Bata:	ئىر. س
4 through stastics, statistics, probability etc	—ر —رن
(a) Conclusion:	بر بس
4 finding the result 4 finding the reason or justifification of hypotheses success or failure 4 evaluate the conclusion hypotheses	
	Sa
generated  Generalize over the population from the results from the sample size	_
* Descriptive methods of Data Collection:	_
1) Naturalistic Observation:-	
example of observing adjustment issues within the	
students in the first semester	
SA disadvantage is that ithese e environment cannot be controlled	
4 Researcher bias (disadvantage) 4 As it is can observe the behaviour of the individuals naturally	
	New

2) Laboratory: 4 Can observe individuals in a controlled environment 4 Disadvantage: less or No generalizibility 3) Case Study: small Gon be conducted on a group of people (6-7 persons) in I depth investigation of individuals (advantage) example: observing childhood frauma 4 Less generalizibility (disadvantage) example: for anger issues, a therapy model is made and is conducted on an individual and if it is a success then it can be conducted on other people. 4) Surveys: 4 Easily collect data from a large number of people (advantage) 4 lack of seriousness/authentic data (disadvantage) Correlation research: different 4 research between two variables \* variables: to change -var/ vary example: uchildhood abuse and crime rates working hours and level of stress Correlation

increases too)

Cone variable increases, the other, Positive Correlation Negative Correlation (one variable decreases, the other, example: more time a student invests example:

in studying and the scores

Experimental Research: sexperiment on one variable and find the effect on the other variable independent variable - manipulated/treatment dependent variable -> impact : Placebo effect: No treatment is given to one group example: 20 sample compare these \( \rightarrow \) 10 -> Therapy/Experimental group
\( \rightarrow \) 10 -> Placebo effect Control group example: experiment on plants (one under sunlight, one under dark)