

Add-on Lecture 7

you must make your research rigorous .. stand on hard ground.

the methodology of your research and design is the 3rd or sometimes the 4th chapter in research.

Elements of Research Design: |1| Sample

...	Sample	Population	Subject
study consider on	Plants – chemical materials – humans	Humans	humans

under “Sample” versus “Population”

- Population = it can be plants, animals, humans, communities.
- in your study you always target certain people.
- ex: in 6:19 → the sample in this study (or the Population) is children.
- if you select your sample in a way not accepted >> it going to affect your research.
- we select a sample from Population.

under Sample determination (or sample selection)

- you must use an acceptable selecting methods
- >> sometimes it can be random (you need to justify "تبرير" why ??)
- شرح + امثله مهمه لطريقة الاختيار في الدقيقه ٨:٣٠
- your selection (**determination**) must be linked to justifiable reason = you have justify the selection.
- the justification should be reasonable and linked to your research objectives.

under Inclusion and Exclusion Criteria specified

- you need to specify why you are included the sample and why you excluded the others !!?
- you have and you must mention this in your research .

under Sample/Recruitment

- it's called recruitment cause sometimes you need to recruit sample or you need to pay for them to participate in your research .

Elements of Research Design: |2| Data format

- What format will the data be in? (الاضافات هنا بالأزرق)

A# Questionnaire? Standardized "يكتبه متخصصين" versus survey "نقدر نكتبه بأنفسنا"?

B# Interview? (individual "1:1" versus focus group "1:M")

- Structure interview : you have a list of questions maybe (5,7,10) and you want the answer of them and that's it .
- Simi structure interview : you have some questions but when you do the interview you can ask the interviewees more questions >> ex: in 22:48

C# Interviewer/observer rating scale?

- Sometimes you need someone to set and observe the interview.

D# Retrospective chart reviews?

(ما شرحها قال skip it)

E# Continuous versus categorical data (means versus frequencies)

(ما شرحها قال skip it ; we going to deal with it in lecture of result)

F# Think aloud : ask the participate to speak aloud any idea that comes to his mind.

The End ..