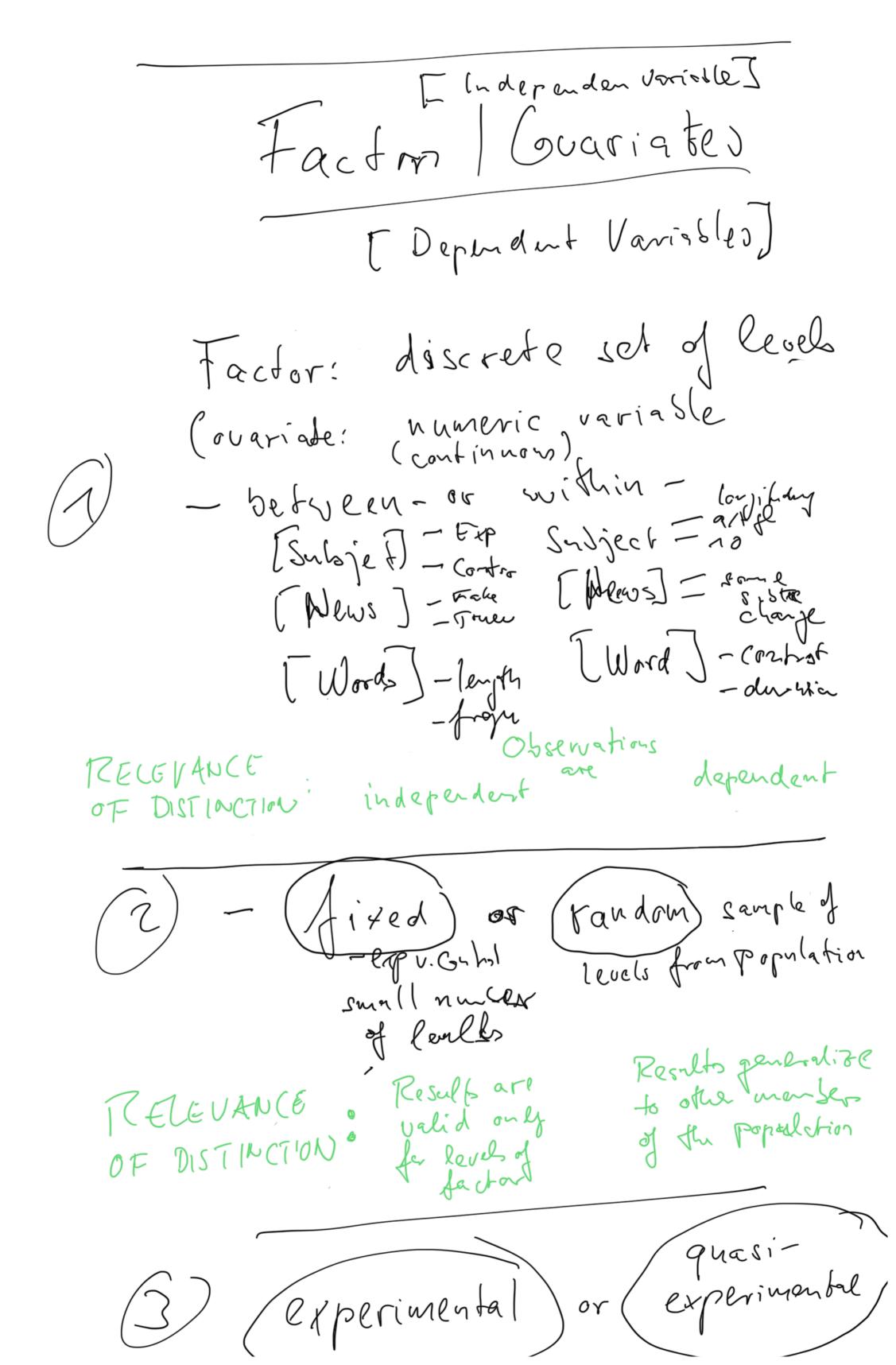
Variable Danes in RScrph · Keep fran stort, but own for muen ou i c value VOT: Valt vert? o lengter of 3 to 5 selfers storter the name by dropping vows complex -> cmplx -> ctx . -) prn Pér Simonious Fero-correlation -s ~ 7<p · aning for equal light to facilitate eding with maltiple Cursors



Experimenter assigns subjects, items, etc. to levels of gader Group: Treatment Control Subject/Word Strips Revel to the experient Gende: reale find dish

RELEVANCE OF DISTINCTION:

Effects are

(AUSED

by experimental

manipulation

Effects and
COTERELATED

with quesi-lap.

manipulation

tactors / Covariates
- between us within
tixed us random
experimental us quasi-experimental
Factors: discrete levels
(Covariants: Continuous values)
The state of the s

Difference between "between" and " within "

(1) ... does not matter for means and

SESD

Standard deviations

SESD

and confidence introvals if several

means one to be compared

(Reason: Correlation between scores

associated with levels of within - subject factors)

Difference between "fixed" and "random".

Degrad levels only for "random"

(2) ... not of much use when that is on a small levels k(almost always: k <=5; possibly

also k = 20); use "fixed" in this case (3)... is relivant for choice of metrod, when 2 or more random factors (e.g. Subj. Hens) in design:

o 1 random factor: [tm] AoV; [rm] MRA o 1,2, vandon fa dars: [G]LMMs Vifference between "exp." and "quasi-exp."... (1) ... dog not matter for specification of statistical model [Exception: AoV =) estimate of gr. EtaJ 2). or does matter for interpretation of effects

- exp: causal interpretation (physial v. mental

- quasi-exp: correlation (gendar) Note: interaction of exp. factor and quasi-exp.
factor is quasi-experimental interaction