## SMLP2020\_stream4: Basic dimensions of factors and covariates relevant for MM specification

Fac	tors	/ Cou	ariate	\$	
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glandsomming-spiritaltempy-stable and spirits.	experin	cental	US. 94	asi-leps	enjonen tel
Fecto	ro: dis	crete	levels	anced whose Price Peter Annual Peter Company on the Company of the	
Cova	riate:	contr	14040	values	a contraction of the contraction

Difference between "between" and "within"

1) ... does not matter for means and

SESD

Standard deviations

SESD

... does mater for standard errors The

and confidence intervals if several

means are to be compared

(Reason: Correlation between scores

associated with levels of within - subject factors

Difference between "fixed" and "random"...

O ... does mother "philosophically": generalizasilily

beyond levels only for "random" (2)... not of much use when there is on a small number of 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 randon factors (e.g. Subj. Hens) in design:

o 1 randon factor: [tm] AoV; [tm] MRA · 1,2,... random fa dars: [G] LMM\_ Vifference between exp." and "quasi-exp."... (1) ... dog not matter for specification of statistical model [Exception: ADV = estimate of ge. Eta] (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