

With all due respect to José Quiles and the authors of the Webler et al. *Primer*, there is no recommended minimum or maximum number of respondents in a Q study and no items-to-persons formula that can be said to apply. Abstract rules such as these almost invariably come from R factor analysis and from the logic of large numbers rather than from the logic of experimentation; they are then applied to Q simply because it is also factor-analytic, even though the reasoning for this may have been lost in translation.

To specify a preferred number of participants in a Q study is to grasp the stick from the wrong end; i.e., a determination of P-set size typically comes after other decisions are made. As a practical matter, a beginning is best made with a problem of some kind and with the kinds of persons who could be expected to have something relevant to say about the problem. In the case of Newman's (2005) study of doctor-assisted suicide, for instance, reliance was placed on Thompson's theory of public opinion, which holds that with respect to any controversy there will be some individuals who are experts, some who speak authoritatively (but without expert knowledge), some who represent special interests (i.e., who have a material stake in the outcome of the controversy), and some who speak as a function of their class background; and, of course, there are always the unknowledgeable. Also incorporating anticipated gender differences, this gives rise to the following factorial design:

A. INTERESTS (a) experts (b) authorities (c) special (d) class (e) unknowledgeable

B. GENDER (f) male (g) female

Experts would include individuals such as medical ethicists, thanatologists, sociologists and psychologists of death and dying, etc. Authorities would include priests, rabbis, and preachers, but also politicians and journalists, i.e., non-specialists who nevertheless render proclamations authoritatively due to their positions in society. Special interests might include physicians (who might also fall in the authority category), grief counselors, hospice workers, the terminally ill and their relatives and close friends. Class interests would include ordinary individuals from different social classes who lack any special interest in the outcome of the debate and who may be presumed to be responding from the value base that is characteristic of their class and social background. Unknowledgeables might include children or young adults who have yet to face the loss of even a pet.

These theoretical considerations give rise to  $5 \times 2 = 10$  combinations, and here is where numbers now begin to play a role. Were we to select  $m=3$  of each kind (i.e., 3 male experts, 3 male authorities, ..., and 3 female unknowledgeables), this would produce a P-set of size  $mAB = (3)(5)(2) = 30$  individuals. The mathematics would be altered were we to introduce a third effect, e.g.:

C. AGE (h) young (i) middle (j) elderly

Now there are  $ABC = (5)(2)(3) = 30$  combinations, of which we might elect to take 1 or 2 of each, for a P set of 30-60. We needn't be obsessive about complete balance. We might find it difficult, for instance, to find any elderly or even middle-aged individuals who might be considered unknowledgeable, which would result in empty cells in the P structure, but this is of little concern since we expect the functionality of the Q factors to supersede the structural characteristics of the P set. But the goal would be to make sure that no important group (e.g., authorities) is left unrepresented in the study.

The main purpose of the P-set structure is to provide diversity on the response side of the stimulus-response situation, comparable to the diversity provided by the the structure of the Q sample. Between



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