

The following starting points have been brought together in the methodology of a behavioural audit:

of Argyris & Schön; 2. The Learning History, developed by Roth & Kleiner; 3. Qualitative research with an emphasis on the Grounded Theory of Glaser & Strauss.

1. The Action Theory

The latter point in particular will occasionally cause hesitation among both clients and auditees. However, the principles of quantitative research - in which mathematical figures and statistics play a major role - are deeply rooted in many ideas about research. This often causes surprise regarding the size of the 'sample' and the generalisation ability of the results of a behavioural audit.

The sample of qualitative research must be designed in such a way that research results are represented in a

Those small samples are usually surprising. One of the most frequently asked questions about qualitative research is: 'how can you draw valid conclusions based on a study with 12, 15 or 20 respondents? You always need at least 100 people, right?' However, with subjects about which

little is known, the demand is usually for exploratory research in which qualitative methods are often appropriate. This research is not about adding facts and figures but unravelling a 'why' or 'how' question. Qualitative research is often aimed at very specific target groups, where the variance in behaviour is smaller than for 'all employees'. As a rule, the focus is on underlying motives and choice arguments. In a behavioural audit, we look for motives and motivations. We speak of 'mental models', responsible for how people think and act. Therefore, we are mainly looking for the underlying causes of certain situations or events. In short: an answer to the 'how' and 'why' questions! At the level of 'how' and



Jan studied

and after his

education, he

conducted research

for institutes such as

Radboud University

Nijmegen and the

Institute of Applied

Sociology (ITS). Most

of these studies

related to work

motivation and

aligned with the

socio-technical

paradigm. In 1994,

after 10 years at

KPMG, he started

is conducting and

He also provides

After working for

and financial

industries, Mania

several years in the

energy and IT sector,

the semi-government

joined ACS Partners in

ACS. His main activity

supervising audits on

behaviour and culture.

business

organisational

psychology and

THE Q-METHOD Mania Knevelbaard. Jan Otten

Many auditors have never heard of the O-method. That in itself is not so strange. However, even though the method has been around for almost a century, it is not or hardly discussed in the regular teaching of methods and administration. During techniques. It is a pity, because the O-methodology can be a valuable addition to the toolbox of any behavioural auditor.

members who are less open to the

principles of qualitative research.

Situations are also conceivable in

insight into the variation of

also into their quantitative

specific groups within the

which it is important not only to gain

motivations and mental models, but

distribution among the organisational

members. When it is clear which views

are held by which groups of people, the

client can draw up a policy aimed at

organisation. In those situations, the

so-called Q method comes in handy.

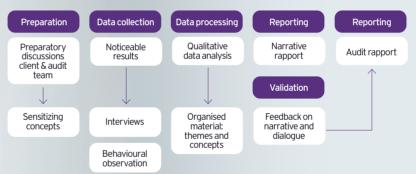
With the O-method, subjective research areas can be portrayed in a reliable and detailed way. The underlying idea of the methodology is that subjective assessments can best be examined by weighing them up against each other. This retrieves information about a respondent's relative perception.

An opinion usually cannot be captured in a simple representation on a Likert scale in a questionnaire. Yet subjective information (such as opinions about politics, points of view, beliefs, etc.) is often retrieved and coaching, training and reported in studies in this way. We also see this reflected in audit education in this area. practice, where (a limited number of) audit departments make an inventory of so-called 'soft controls' using a questionnaire. This, of course, should not cause any problems. For topics such as which political party is voted for, the market share of a candy manufacturer or the lease car of the year, it is useful if the answers are shown in percentages or numbers. However, it is a different story when it comes to complex subjective topics, such as people's perception of psychological safety in the organisation or the attitude towards a new management philosophy to be implemented.

> With such topics, it is necessary to delve deeper into an issue than the level of a simple 'agree' or 'disagree' to get a good picture. The Q-method offers an excellent opportunity to investigate the nuance and complexity of subjective subjects. The Q-method was originally developed and

Summer 2022 | Ethical Boardroom 55

FIGURE 1 DESIGN OF BEHAVIOURAL AUDIT



qualitative sense. 'Representativeness' has a different definition within qualitative research than within quantitative research. In quantitative research, the term 'representativeness' is defined numerically and based on (large) numbers of respondents. Qualitative research, in contrast, is small-scale because representativeness in this context is not based on numbers and numbers of respondents. The results are qualitatively representative if the sample is composed in such a way that all relevant variations in opinions, views, feelings, and motivations are given the opportunity to manifest themselves within the sample and the research. We speak of representativeness in qualitative research, therefore, in terms of how well those factors manifest in

e released the first publications on behavioural auditing more

www.ethicalboardroom.com

than a decade ago and

Samples of 12, 15 or 20 respondents are common in qualitative research.

www.ethicalboardroom.com

'why', you will find less difference in variance than at the behavioural level ('where', 'what', and 'how much'). It is remarkable how behaviour is often driven by a limited set of motives and values!

2022. She researches The results of qualitative research behaviour and culture cannot be generalised statistically, but (behavioural audits) theoretically. This means that the and supervises Agile Audits with results may be generalised to multidisciplinary environments whose context is the teams. Manja same as the context of the research graduated in group. For example, a behavioural Controlling and audit delivers a so-called 'narrative' as Change, completing one of the end products. An effective her thesis on the (and efficient!) possibility to generalise interaction between the results of the audit, when in doubt, auditor and auditee is to discuss the narrative (possibly and what this means (further) anonymised) with members for the adoption of recommendations. of other organisational units of which She graduated cum we do not know whether the context is the same as that of the research group.

Sometimes the behavioural auditor is confronted with organisational

BOARD GOVERNANCE MANAGEMENT

FIGURE 2 A Q-SORT TABLE FOR SORTING Q-SAMPLE STATEMENTS

introduced by the psychologist and physicist William Stephenson (1902-1989) and is mainly used to reliably retrieve subjective information from individuals. The underlying idea of the Q-method is that subjective statements are relative and can therefore be assessed

in relation to each other. The O-method consists of a O-set, the O-sort, and the O-analysis. The O-set is a set of statements that are ordered by the respondent based on his or her preference. This creates a representation of the participant's subjective experience, their personal Q-sort. For the respondent, there is also a game element; it is fun to slide the cards and arrange them. The Q-sorts of different respondents are then analysed with the Q-analysis. Through this analysis, correlations between individual variables are not sought separately, but the complete Q-sorts of the respondents are compared with each other. Subsequently, factor analysis is used to find out which groups can the Q method a valuable tool for examining subjective topics at an aggregate level while still preserving the level of detail.

During applying the Q-method, respondents are asked to sort a set of statements based on a so-called Q-sort table (see figure 2). In a 'stand-alone' Q method, the statements often come from multiple sources, such as newspaper articles, literature, social media, etc. When we use the Q method as an addition to a behavioural audit, the statements are directly derived from the audit results. It concerns respondents' views, opinions and other expressions as they emerged during the interviews and the data analysis.

THE Q-METHOD AS AN ADDITION TO A BEHAVIOURAL AUDIT

The Q-method can provide insight into the subjective experience of (groups of) organisation members. In fact, the step is made from inductive and, therefore, theory-forming research to deductive, theory-testing research.

The analysis of data obtained from interviews and possibly behavioural

One can consider adding statements on this point that arise from scientific literature, newspaper articles or social media, and the like, if it can provide additional insights and is relevant to the research question. It is, of course, important that the number of positions corresponds to the number of squares of the normal distribution, as shown in figure 3.

The next step is to have the respondents place the statements in the boxes of the normal distribution. The first is to sort the statements about which one has a strong

"AT THE LEVEL OF 'HOW' AND 'WHY', YOU WILL FIND LESS DIFFERENCE IN VARIANCE THAN AT THE BEHAVIOURAL LEVEL ('WHERE', 'WHAT', AND 'HOW MUCH'). IT IS REMARKABLE HOW BEHAVIOUR IS OFTEN DRIVEN BY A LIMITED SET OF MOTIVES AND VALUES!"

opinion. These positions are placed in the outermost boxes of the distribution. Then the positions are placed in the middle part of the distribution. This step of the Q-method can be performed entirely online, via specially developed software or under the supervision of the researchers. Although the latter method is, of course, much more labourintensive and therefore more expensive, the advantage is that additional information can be obtained, for example, in the form of an explanation by the respondents of the choices that have been made.

According to Q-methodologists, the number of respondents should be between 40-60. Alternative sample sizes, such as a mathematically substantiated sample size, are also conceivable. In those cases, the

Reporting

Auditrapport

number of respondents will usually be considerably larger. The assessment must then be made to weigh the research's purpose and importance against the costs and certainty margin

desired by the client.

After all respondents have submitted their Q-sorts, a factor analysis is used to determine which statements are most relevant to which groups of respondents. It is then up to the researchers to find out the specific characteristics of these groups and distinguish them meaningfully.

Finally, the results of the Q-investigation are reported and discussed with the client. The insight that the research provides can be a reason for the organisation to implement a targeted policy for specific groups and thus allow the organisation to develop further in the desired direction.

'See also Meulen van der, I. & Otten, J., Behavioural auditing, Ethical Boardroom Magazine, 2018.

FIGURE 3 BEHAVIOURAL AUDIT AND THE Q-METHOD



be distinguished. The Q-analysis provides, on the one hand, a representation of the subjective experience of the participants: the 'intrapersonal' is based on the order in which one respondent made the statements. On the other hand, the prevalence of which opinions exist within a selected group is assessed as 'interpersonal', based on the grouping of corresponding sortings of several respondents. These features make

observations takes place in a behavioural audit according to the principles of qualitative data analysis. An essential step in the analysis process is developing themes. The researcher translates these themes into propositions and forms the basis for the Q-set. The analysis usually yields around 20-30 themes. These themes can have both a positive and a negative direction, making them suitable for the format of a thesis.

56 Ethical Boardroom | Summer 2022 www.ethicalboardroom.com

ADVERT