



# BIG DATA ANALYTICS PROGRAM MANAGEMENT

## Challenge

Big Data affects many groups in your company. This can sometimes cause problems in the coordination and cooperation of different company areas. The greatest challenges in the field of Big Data Analytics arise from the diverse groups involved in the topic.

Creative minds and ideas are required to implement Big Data programs. For example, mathematicians are needed to apply the various algorithms and interpret their results. However, one must also keep an overview of current and future digital innovations and their level of maturity, as well as IT, which provides the necessary basic data and architectures.



- > Organisation
- > Rolls & responsibilities
- > Supervisory rules
- > Funding
- > Budget controlling
- > Resource Management

Therefore, the following questions must be answered before a Big Data team can be assembled:

- > How is the information about the relevant technical innovations provided?
- > How is the creative process implemented in the company?
- > Who decides which algorithms are to be used?
- > How much freedom are specialist departments afforded, so that they can discover rules for themselves?
- > Who decides which rules are to be carried over into operative processes?
- > How are ideas translated into requirements for data acquisition?

- > Program Office
- > Employees
- > Infrastructure
- > Technology
- > Program Management
- > Project Management
- > Activity Planning
- > Communication

Core elements of Program Management



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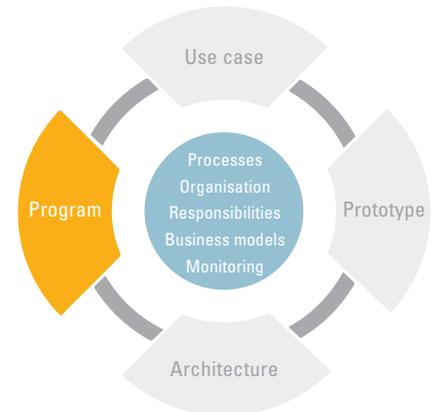
SEVEN PRINCIPLES AG is the strategic partner for the networking of processes, information and technologies and is also a specialist in enterprise mobility. The listed group provides a range of services, including IT consulting, process and information management, cloud services, mobile solutions, SAP, software solutions, quality management and enterprise IT.

### Our solution

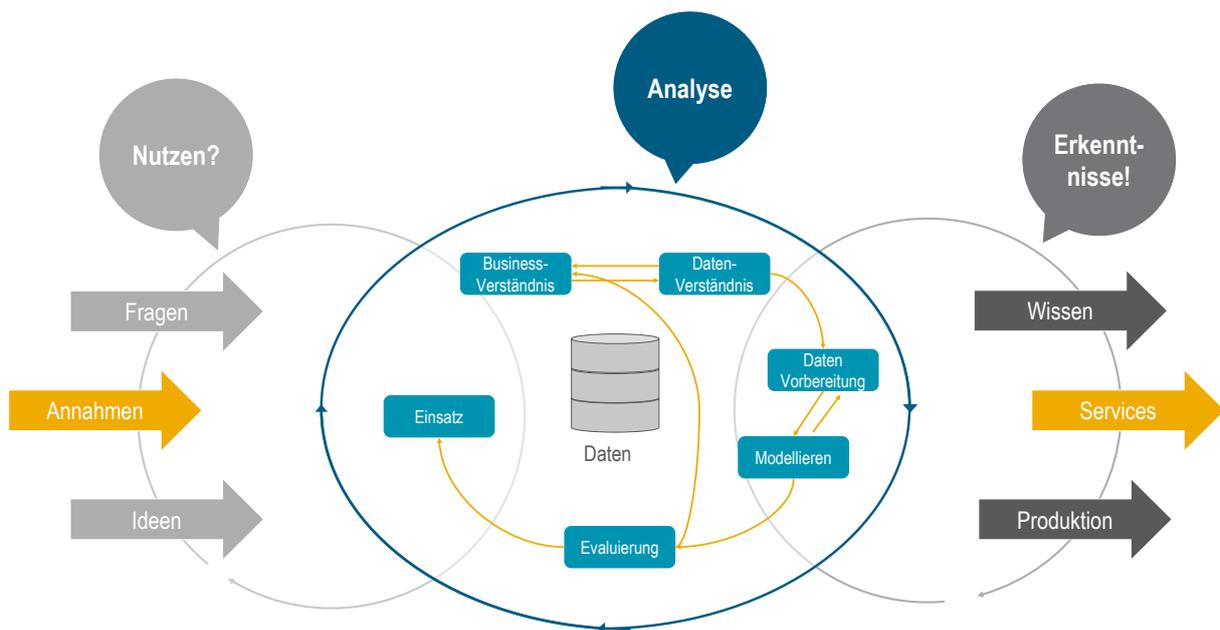
The findings postulated from the previous page are obtained based on your historical data pose by far the most difficult challenge: How do you proceed to ensure that the devised rules work properly on the live server? Here we may have to switch between different basic architectures. For the transfer into operative processes, we sometimes have to adjust the rule for NoSQL databases, Hadoop or streaming. However, we cannot be certain that the analysis will produce the same results in these environments. Data may be omitted and rules for operative use may have to be reduced. It is absolutely essential that the results be monitored after the rules have gone live. Errors may come to light or undesired side effects may occur.

Clarifying these questions to do with the analytical process is an important initial component of the Big Data program. We, therefore, recommend that you hold four workshops in advance, each one building on the next, in order to address the questions:

1. How is the topic of Big Data Analytics separated internally from Business Intelligence in particular?
2. What ideas are prevalent for the analytical process flow?
3. How could a Big Data Competence Centre be established and organised?
4. What standard architectures should be defined as blueprints for future requirements?



The 7P component model



The analytical process

To establish a Big Data program in your company, you must formulate the complex processes in the context of Big Data Program Management, underpin them with the necessary templates and e.g. embed them in an organisational construct such as the Analytics Competence Centre. To this end, 7P offers various workshops to tackle these methodological challenges.



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