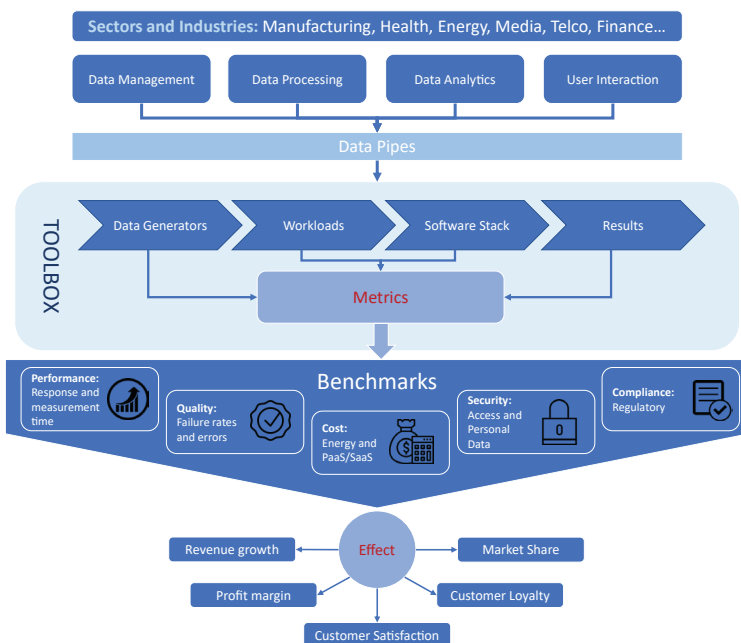# DataBench

Evidence Based Big Data Benchmarking to Improve Business Performance

The goal of DataBench is to design a benchmarking process helping European organizations developing Big Data Technologies (BDT) to reach for excellence and constantly improve their performance, by measuring their technology development activity against parameters of high business relevance.

DataBench will investigate existing Big Data benchmarking tools and projects, identify the main gaps and provide a robust set of metrics to compare technical results coming from those tools.

The DataBench project addresses this significant gap in the current benchmarking community's activities, by providing certifiable benchmarks and evaluation schemes of BDT performance of high business impact and industrial significance.

www.databench.eu

Objectives

To achieve this goal, the project will pursue the following objectives:

1) Provide the BDT stakeholder communities with a comprehensive framework to integrate business and technical benchmarking approaches for BDT.

2) Perform economic and market analysis to assess the "European economic significance" of benchmarking tools and performance parameters.

3) Evaluate the business impacts of BDT benchmarks of performance parameters of industrial significance.

4) Develop a tool applying methodologies to determine optimal BDT benchmarking approaches.

5) Evaluation of the DataBench Framework and Toolbox in representative industries, data experimentation/ integration initiatives (ICT-14) and Large-Scale Pilot (ICT-15).

6) Liaise closely with the BDVA, ICT-14 and 15 projects to build consensus and to reach out to key industrial communities, to ensure that benchmarking responds to real needs and problems.

DataBench Outcomes

DataBench will provide the community with important results including...

DataBench Framework
Including a complete set of metric for BDT assessment.

Multiple Analysis
Assessing the European and industrial significance of the BDT examined by the project.

DataBench Toolbox
A tool to connect and evaluate external initiatives.

DataBench Handbook
Providing guidelines to the use of the project's results, Framework & Toolbox, describing metrics implementation and benchmarks.

The DataBench Toolbox

Based on existing efforts in Big Data benchmarking and enabling inclusion of new benchmarks that could arise in the future, the DataBench Toolbox provides a unique environment to search, select and deploy Big Data benchmarking tools, giving the possibility to generate unified technical metrics and, most importantly, going the extra mile and derive business KPIs for your organization.

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