# Data Science

## Who?

Team of experts in Data Science, Engineering, Analytics & Data Standards with knowledge in Laboratory Research & Clinical Development.

## What?

- Design the **optimal Data Strategy** and **Management Solutions** tailored to industry-specific requirements.
- **Interdisciplinary teams** providing support throughout the entire data lifecycle.
- Implementation of **Data Analytics** using AI, machine-learning and neural networks.
- **Cloud Storage** solutions for long-term data retention and audit trail compliance.

www.wega-it.com/**datascience**

## Why?

We provide **end-to-end** software development solutions, enriching your scientific data and extracting **business values** to **generate actionable data-driven insights.**

## How?

Data Science at wega helps to **shape, validate, coordinate** and **execute** all aspects of **data lifecycle management.** We provide support and guidance for all your data pipeline and vendor requirements.
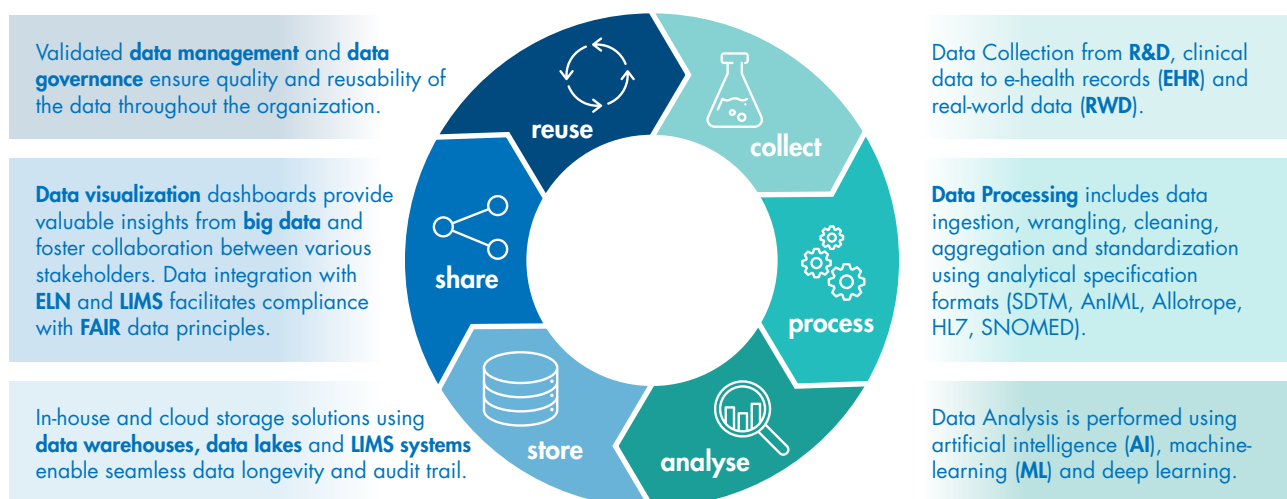
**Use cases:**

Unify data collection, data cleaning, data transformation and data science in one platform.

Build data visualisation dashboards from various data sources (structured and unstructured data).

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Validated **data management** and **data governance** ensure quality and reusability of the data throughout the organization.

**Data visualization** dashboards provide valuable insights from **big data** and foster collaboration between various stakeholders. Data integration with **ELN** and **LIMS** facilitates compliance with **FAIR** data principles.

In-house and cloud storage solutions using **data warehouses, data lakes** and **LIMS systems** enable seamless data longevity and audit trail.



**reuse** · **collect** · **process** · **analyse** · **store** · **share**

Data Collection from **R&D**, clinical data to e-health records (**EHR**) and real-world data (**RWD**).

**Data Processing** includes data ingestion, wrangling, cleaning, aggregation and standardization using analytical specification formats (SDTM, AnIML, Allotrope, HL7, SNOMED).

Data Analysis is performed using artificial intelligence (**AI**), machine-learning (**ML**) and deep learning.

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wega is your service provider specialised in the Life Science, Pharma and Healthcare industry. Our unique combination of Business, Process and IT knowledge enables us to fulfil our demanding mission: **Building the bridge between business and IT.**

**360° Services in Life Science, Pharma, and Healthcare IT**