Arachne.ai

We bring you a toolkit for building custom data platforms for AI/ML-driven drug discovery.

By providing a modern process and tools for acquiring, reconciling and managing biomedical datasets, we remove barriers and costs of building and maintaining ad-hoc, custom systems.

Customised to your needs

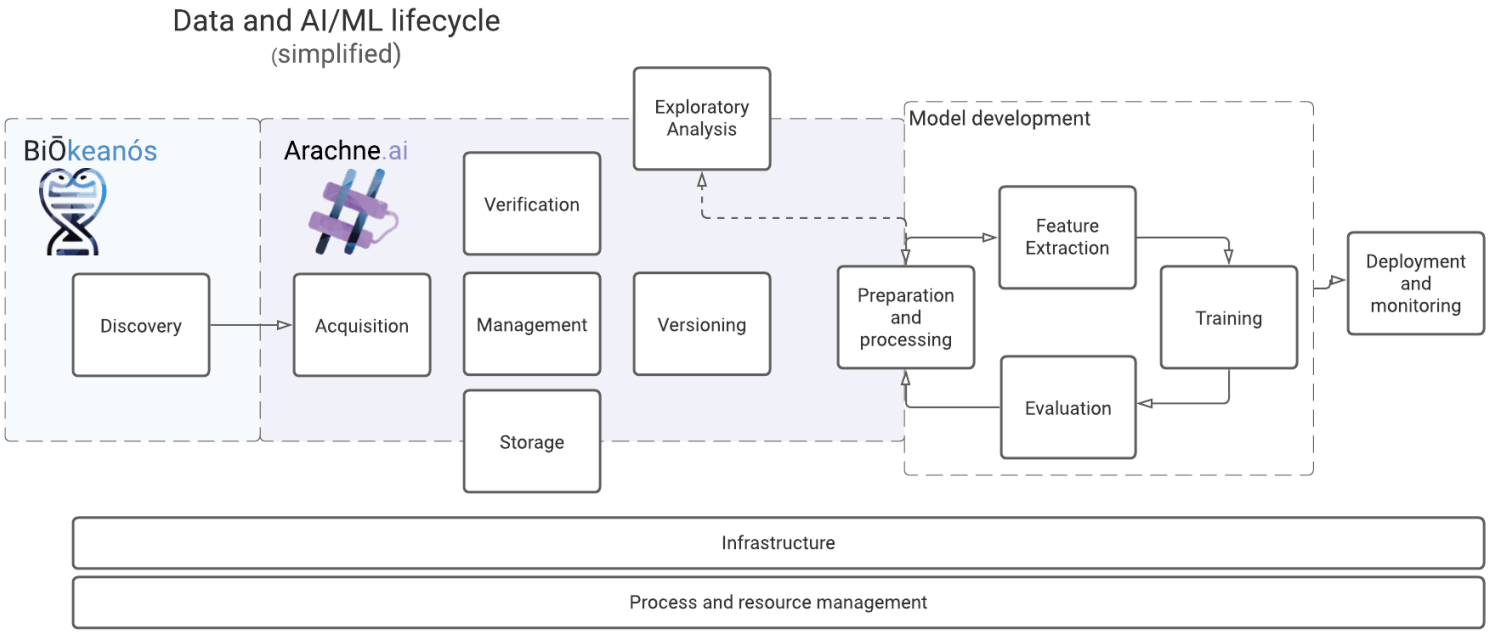
Standardise the process

Data is too often a limiting factor in AI-driven drug discovery and development. Building custom data facilities from scratch is a costly and time-consuming process, with plenty of pitfalls. The specialists, especially those who understand the domain, are increasingly expensive and harder to come by.

Cloud, on-premises and mixed

Start fast and stay this way

Instead of building your biomedical data operations from scratch, why not have them delivered quickly and efficiently with a dedicated solution based on a state-of-the-art methodology and years of practice?



Where does Arachne.ai fit into the ML/AI life cycle?
Arachne provides software tools and methodology to consistently ingest, unify, test and manage external and in-house generated datasets. It delivers access methods for data analysis and processing and integrates with the preferred storage layer.

Technologies

Acquisition: SQL, HTTP/S, S/FTP, OBO, XML, CSV, JSON, Neo4j, RSync, ES
Storage: Regular filesystem, AWS S3-compliant storage, Google Cloud Storage and Drive, Azure DataLake and Blob, HDFS, FUSE mounting
Targets: PostgreSQL, Neo4j, Dgraph, ES, Dremio
Optional processing utilities: Pandas, Dask, Spark

Datasets

We constantly build integrations to an ever-growing collection of reputable data sources suitable for drug discovery research. Over 30 are now ready to be used given the license terms are met or, when required, an arrangement is made with the data provider.

Take your AI/ML-powered drug discovery to the next level with a strong data backbone tuned to your needs.

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