JADBio®

JADBio AutoML Platform OVERVIEW

A state-of-the-art automated Machine Learning Platform, designed for Life Scientists, enabling them to effortlessly make new discoveries and extract knowledge from publicly available or own-study data, without the need for coding





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How Does it Work?

You start by generating all your study data. That could either be data that has been processed and normalized by a Bioinformatician, or public data available in the known data repositories. You JUST upload that curated dataset to the JADBio app in a .csv or other delimited file format, select the desired predictive outcome, and watch the tool perform the analysis. Most analyses complete in a couple of hours.

Will it Work with My Data?

JADBio can work with any of the following data types:

- DNA
- RNA
- Protein
- Metabolites
- Single cell (any type)
- Sequence Data (SNP, methylation, etc.)
- Clinical
- Signals (EEGs, etc.)
- Images

And any combination of the above...

JADBio°

What Can I Predict with JADBio?

- Disease Status (Diagnosis)
- Disease Subtype
- Response to Treatment
- Phenotypic Trait
- Time to Event (Death, Metastasis, Relapse)
- Other discrete or continuous quantities

What Do I Get as a Result?

Our Auto-ML analysis provides you with:

01 Predictive models	02 A set of most-relevant	
that could also be	to your question predictive	
applied on new data	biomarkers (biosignatures)	
03 Many visualizations to interpret results	04 Decision support information to apply model	

JADBio identifies accurate predictive models that use as few biomarkers as possible.



JADBio Benefits

01	02		03
Achieves an	Focuses on		Keeps getting
unprecedented	knowledge		better with usage
level of	discovery		employing
automation in	applying novel		meta-level learning,
performing	feature selection		i.e., ML on the ML
AI-based analysis	algorithms		results
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Can also handle molecular data (low sample, high dimensional)

07

Bio-specific functionalities, featuring Survival analysis, bio-specific data preprocessing

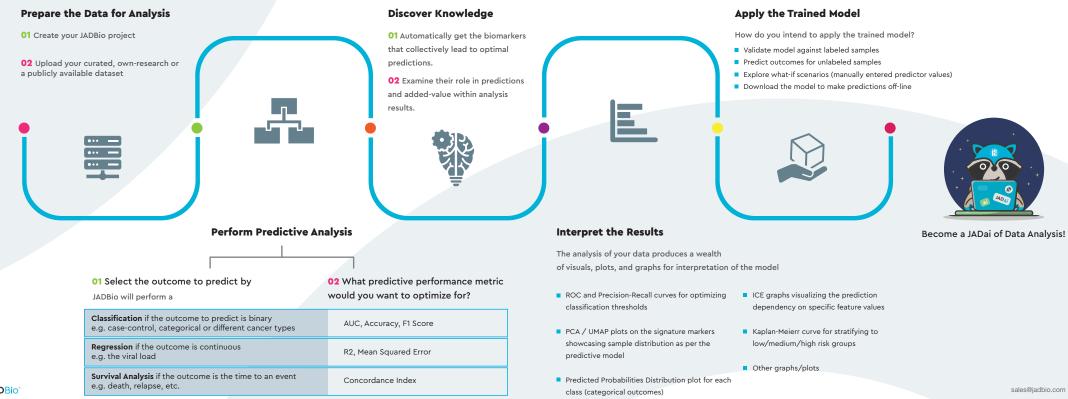
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Simultaneously handles different data types (multi-omics, genetic, medical images, medical signals, etc.) **06** Correct and unbiased methodology

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Deep tech, Novel tech. Not just connecting existing black-box algorithms; developing new algorithms to solve open problems

AUTOmated Machine Learning in 5 steps



JADBio

RUNNING ML ANALYSES WITH JADBio



https://jadbio.com

Discover how we can streamline your data analyses today!

Sign up for a free JADBio AutoML account at jadbio.com

Or contact us at social@jadbio.com for a demo

