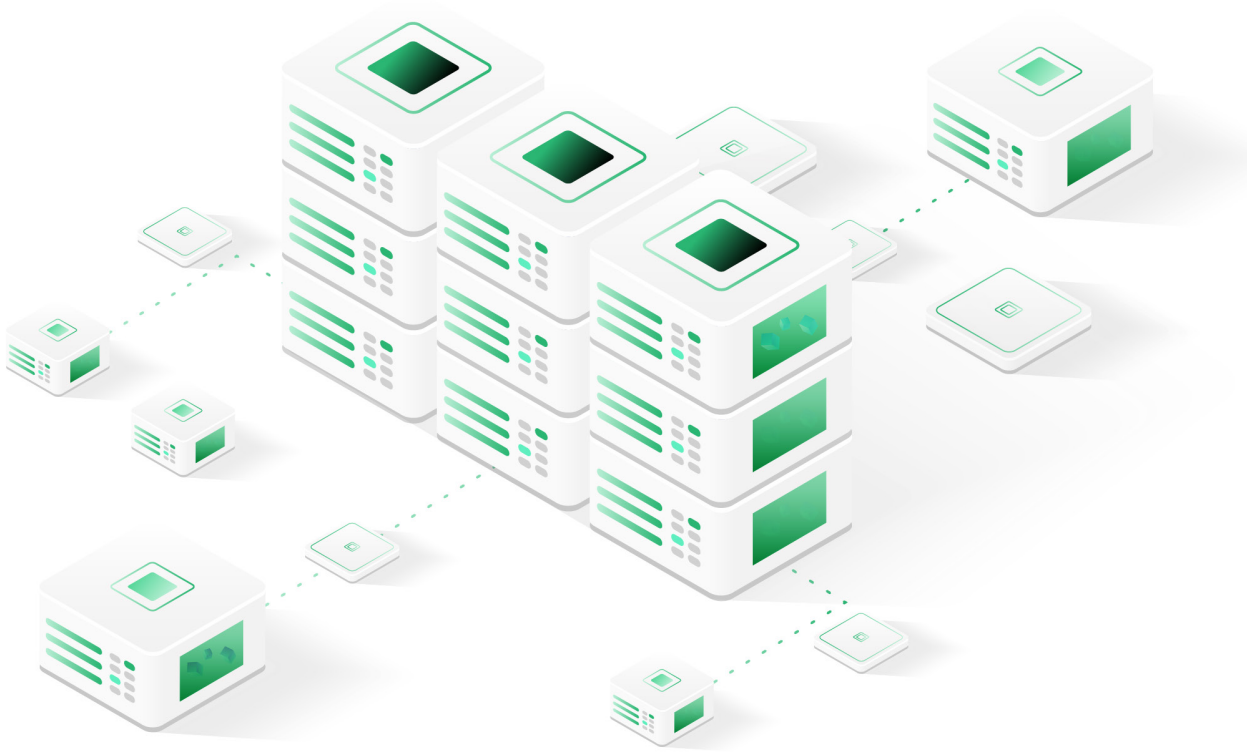
mindsdb

Machine learning in your database



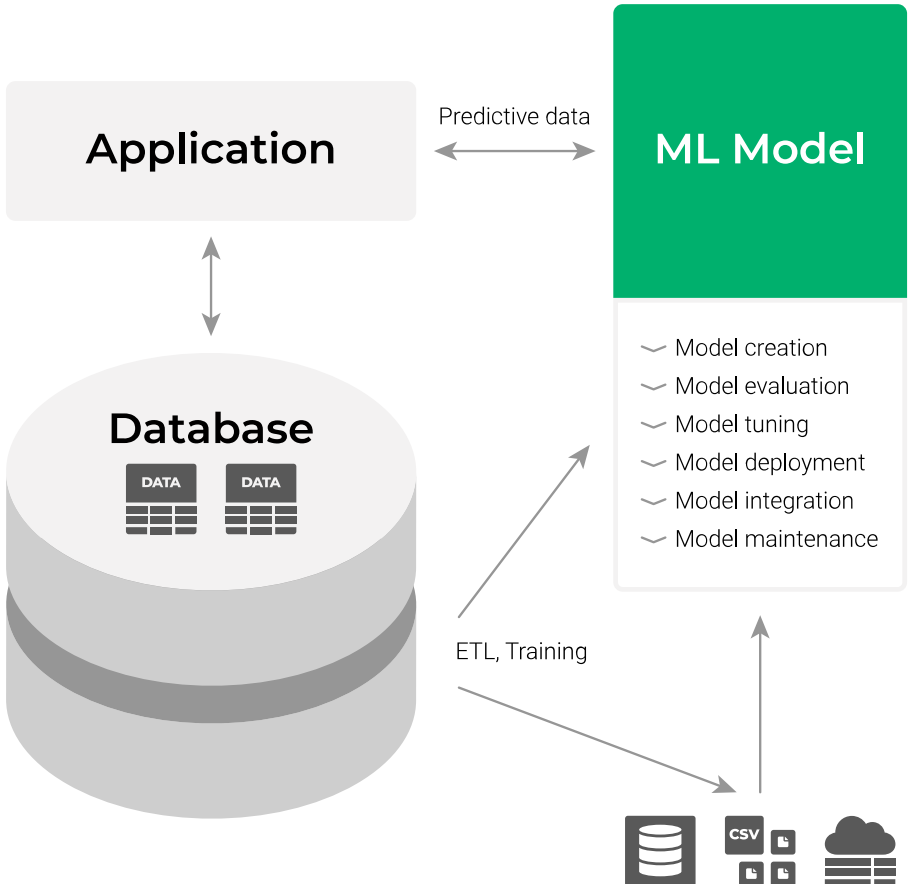
www.mindsdb.com

The complexity of ML model development slows the implementation of predictive analytics projects

Training & deploying a Machine Learning model is complex, requires additional specialized resources, and is expensive and time consuming.

Getting to an accurate Machine Learning model can take months and require multiple additional resources, leading to high costs. Even when you have an accurate model, moving into production is slow and painful due to a disconnect between the model and the actual data.

Overall, deployment pipelines can be complicated and time-consuming, requiring resources that are not readily available to most teams/companies.



Get accurate predictions 10x faster with MindsDB

MindsDB AutoML Server is an open source software that brings fast and reliable machine learning capabilities to production databases.

Get from idea to accurate business predictions 10x faster and with less complexity using the power of Automated Machine Learning delivered directly in the database via AI Tables.

MindsDB automates the model training workflow, increases prediction capabilities by using structured and semi-structured data directly at the data source, and reduces model deployment cost and complexity.

MindsDB can quickly identify and develop the right models for your use cases using AutoML, and instantly deploy at scale with AI Tables, using only your existing resources you can:

- Add predictive Machine Learning to your analytics projects without changing your existing workflows, hiring additional teams, or learning new tools or programinf languages.
- Reduce resources and overhead costs with AI Tables, which deliver the predictions you need as tables.
- Experiment with your data and provide valuable insights in a fraction of the time.

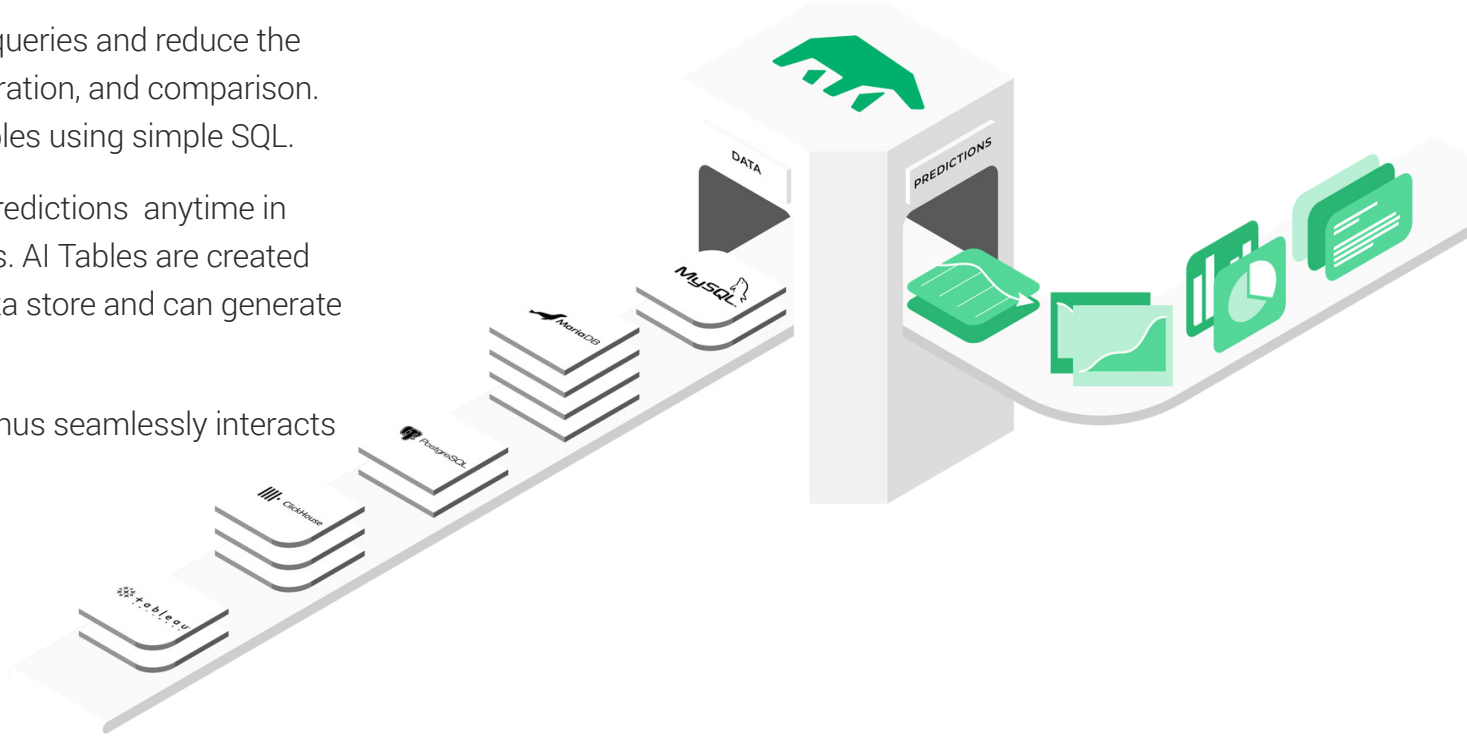
AI Tables – Train the best Machine Learning model for your problem directly in the database

Get the predictions you need as simple tables in your database.

Quickly train ML models using standard SQL queries and reduce the need for time-consuming ETLing, model generation, and comparison. Build predictions directly into your existing tables using simple SQL.

Through virtual AI Tables you can query for predictions anytime in miliseconds just as if they were existing tables. AI Tables are created with simple queries inside the database or data store and can generate predictions in real-time by the models.

MindsDB looks and acts like a database and thus seamlessly interacts with your current database and BI tools.



AI Tables – Train the best Machine Learning model for your problem directly in the database

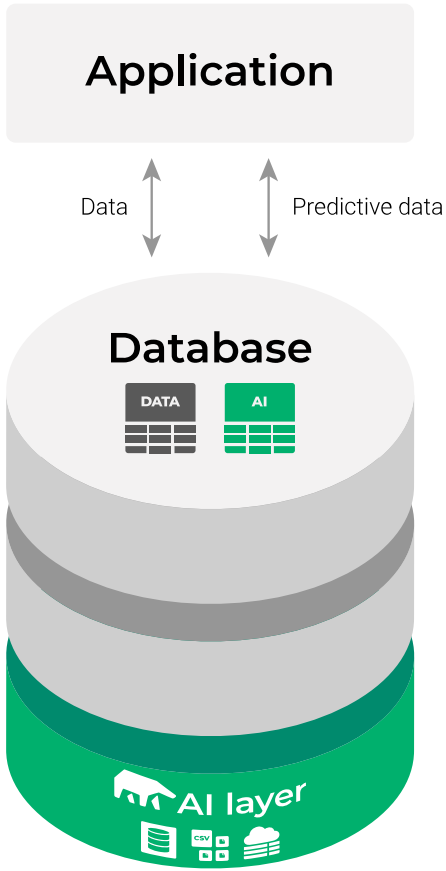
Get the predictions you need as simple tables in your database.

AI Tables differ from normal tables in that they can generate predictions upon being queried and return such predictions as if it was data that existed in the table.

Simply put, an AI Table allows you to use ML models as if they were normal database tables.

Because MindsDB acts like a database, once you find the right model, deployment takes just a matter of seconds.

Set up automated retraining as you collect more data to ensure you always have the latest and most accurate model in production. This is all handled behind the scenes so you don't have to.

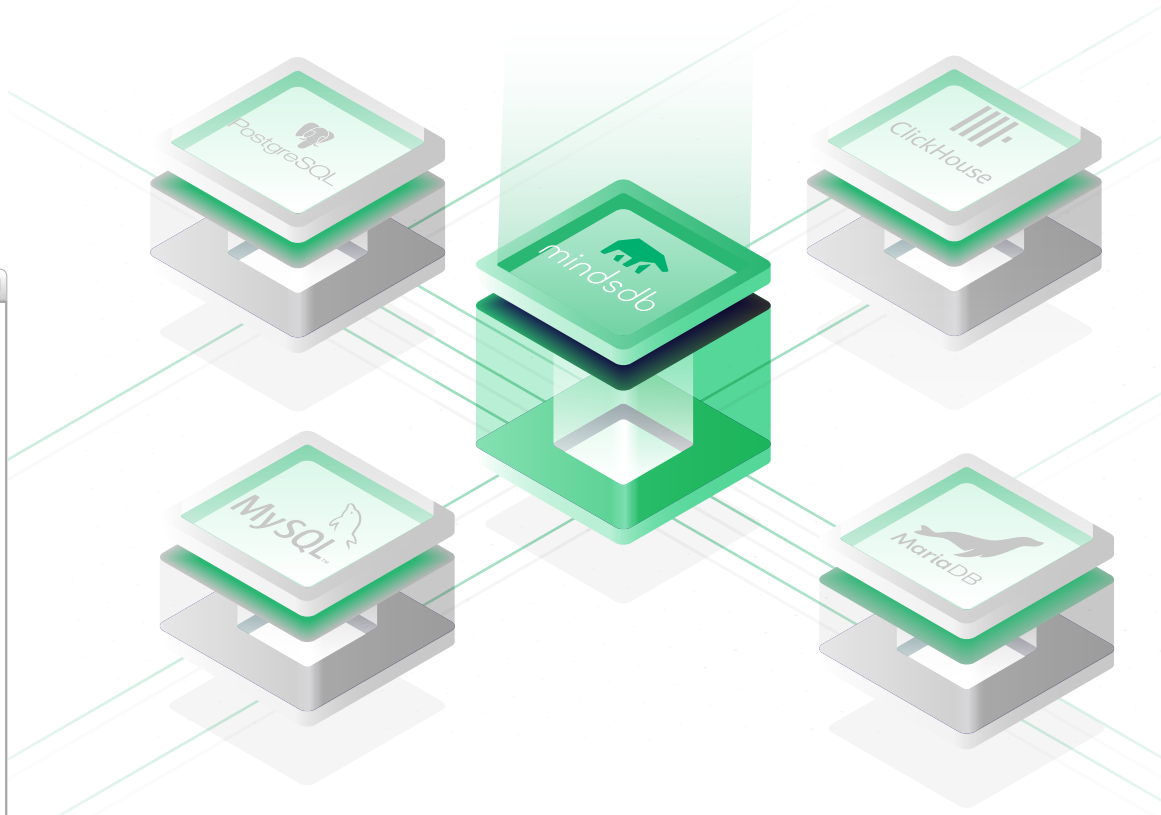


Train the model directly into the database of your choice

To train a new model, you will need to INSERT a new record into the mindsdb.predictors table.

The INSERT query for training a new model is quite simple, e.g.:

```
INSERT INTO
mindsdb.predictors(name, predict, select)
VALUES (
'<AI-Table name>',
'<columns to predict>',
'<query to train model from>'
);
```



Query the model directly in the database using standard SQL

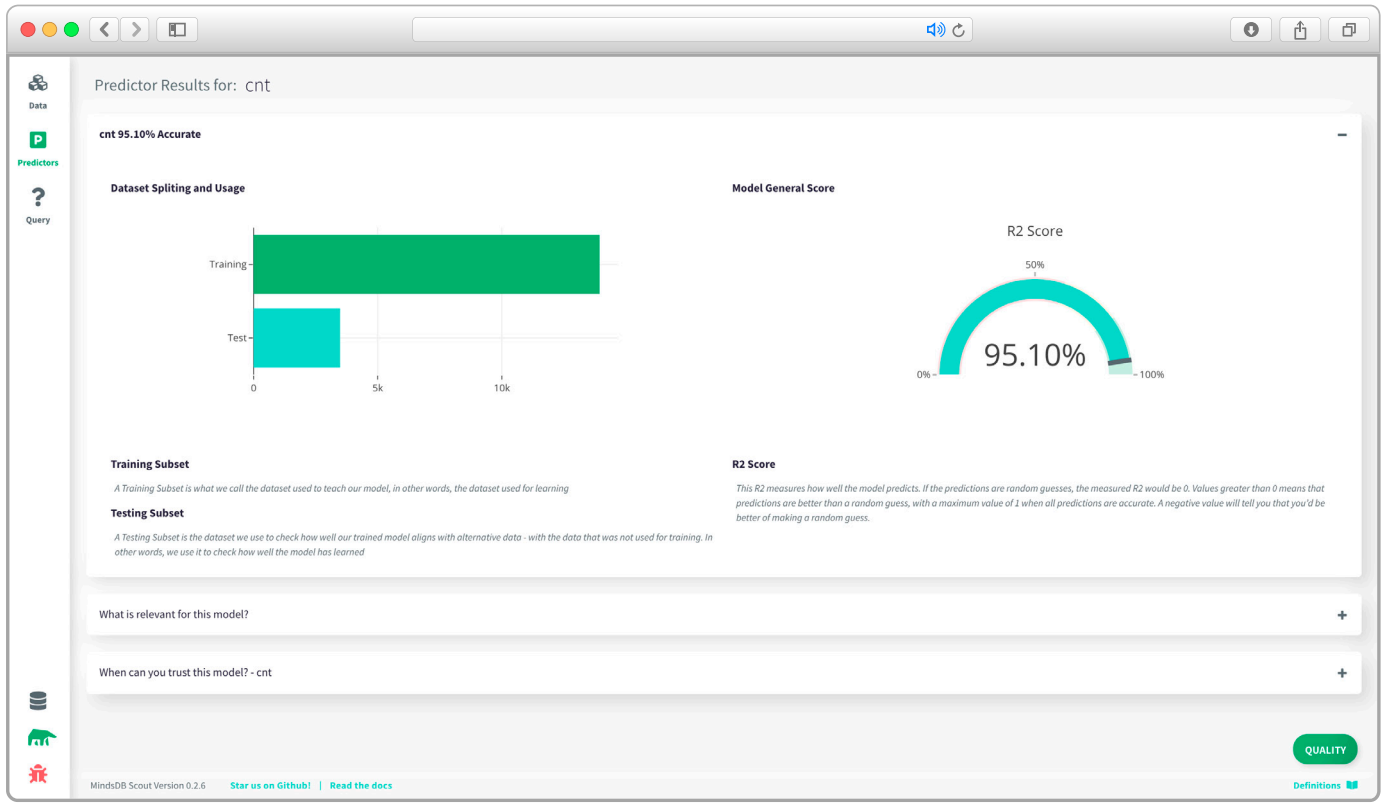
The following example shows you how to query the model.

```
SELECT
  <predicted_variable>
FROM
  <AI-TABLE>
WHERE
  <conditions>
```

Meet our intuitive user interface

If your SQL skills are limited, you can also use the codeless user interface that guides you through the full end-to-end machine learning lifecycle, making it easy to build models and reliably incorporate them into broader applications.

MindsDB works right at your data source, on various tabular data such as numbers, categories, dates/timestamps, text, and images, so your use cases are limitless.



Understand, interpret & trust your forecasts with Explainable AI

Evaluate and visualize model accuracy using the Explainable AI function to adapt and tune your Machine Learning models faster.

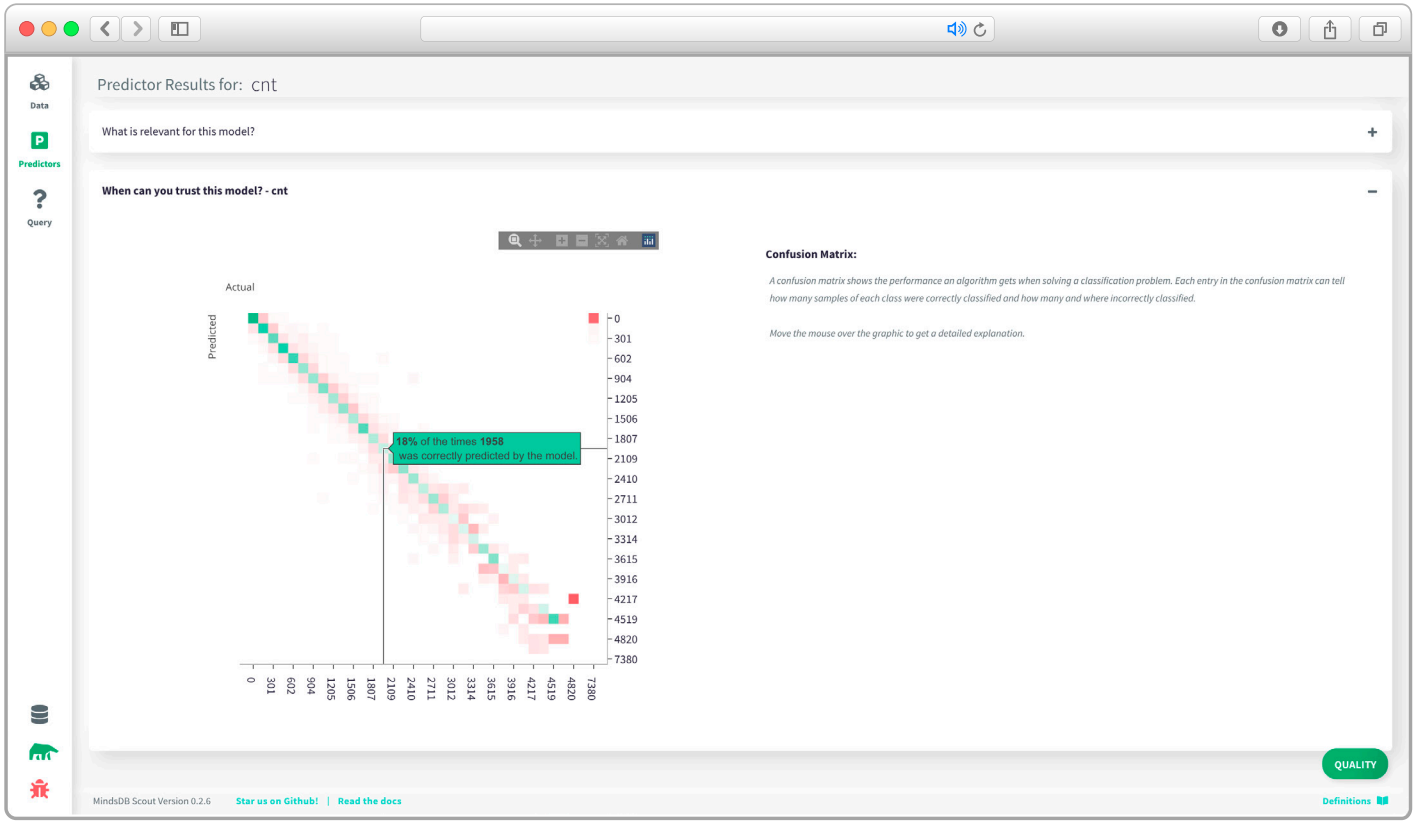
The Explainable AI (XAI) feature embedded into our visual version of the software helps you understand and interpret the results generated by Machine Learning models.

MindsDB does a full statistical analysis of your data before it begins creating a model.

With the analysis provided in the user interface, you can identify potential data biases, evaluate & visualize model accuracy, understand how the model will behave in production, and help other stakeholders understand and trust the results they generate.

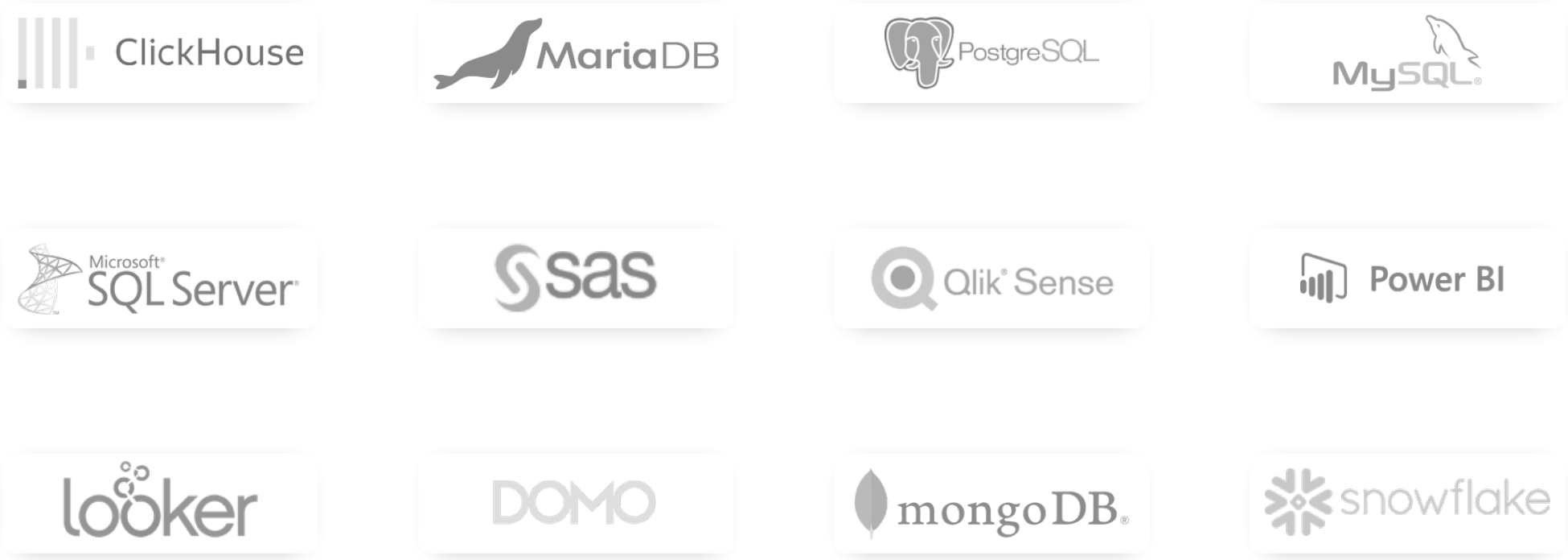
Explainable AI: Use our user interface to interpret predictions

With MindsDB, Machine Learning is no longer a black box.



MindsDB works with a variety of data sources and relational databases

We use tabular data directly from your database, datastore, or BI tool to deliver accurate AI forecasts as simple tables. Leverage your data at source to generate mission-critical predictions.

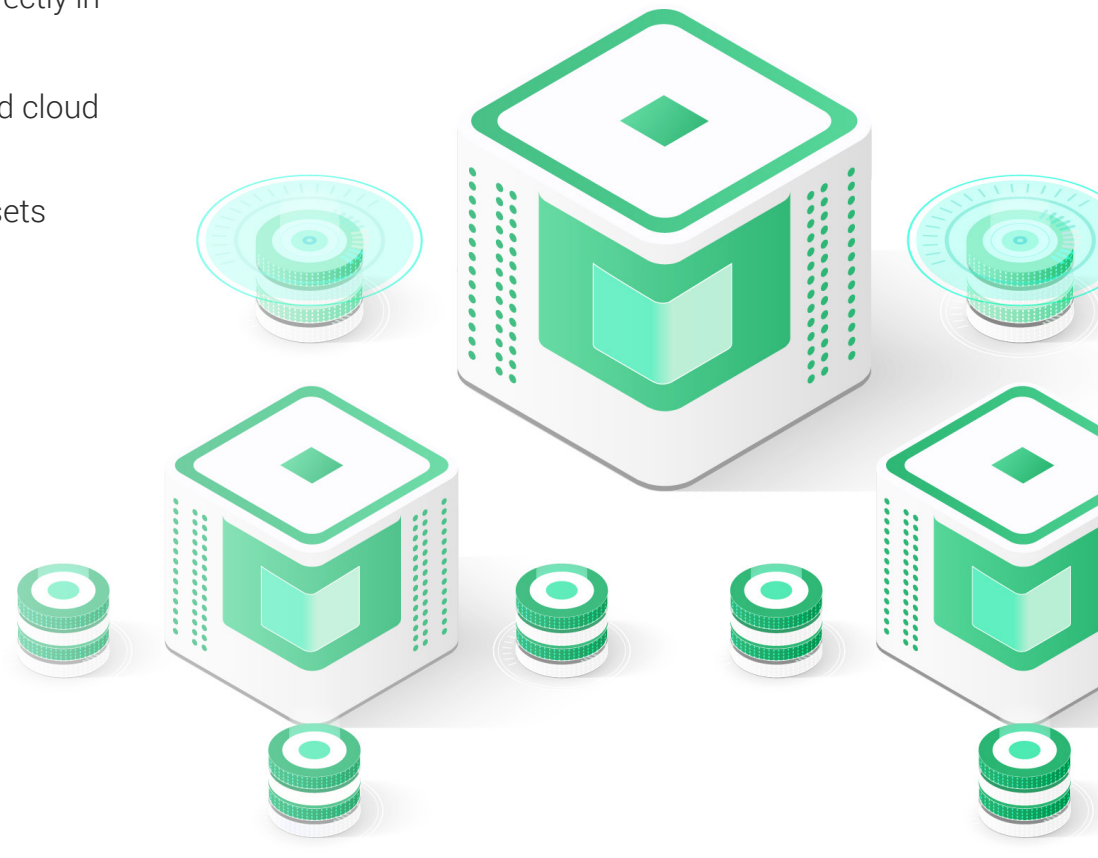


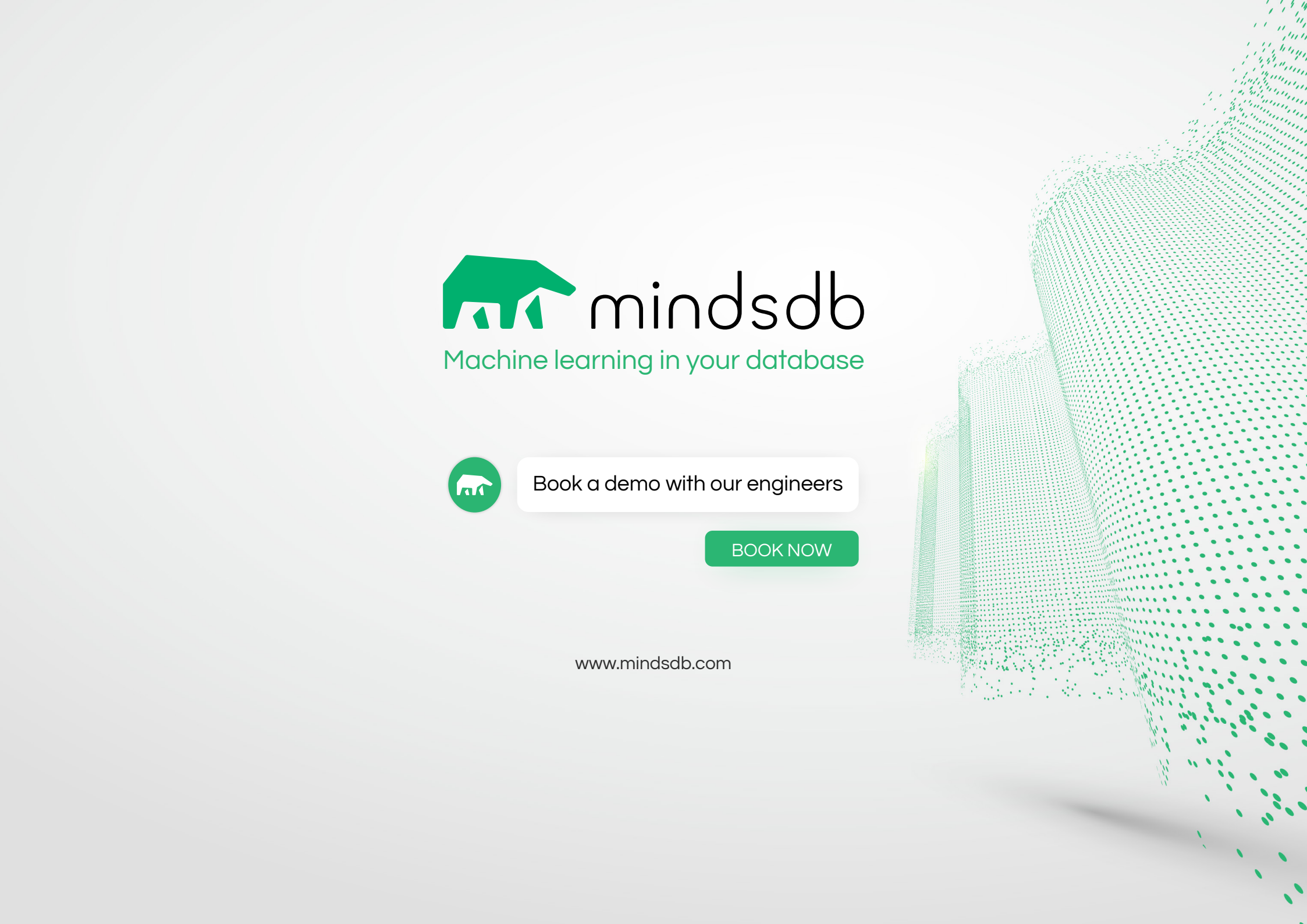
Turn data into high-quality forecasts with the MindsDB Premium support

MindsDB offers Premium Support from our Machine Learning Experts for training & deploying Machine Learning models.

Get from idea to accurate business predictions 10x faster and with less complexity using the power of Automated Machine Learning delivered directly in the database via AI Tables.

- # Custom setup of MindsDB for your specific use case, databases, and cloud providers
- # Custom tuning to make MindsDB work better for your specific datasets and type of data
- # Data and use case evaluation by our expert ML researchers
- # Support for orchestrating your training and prediction pipelines and infrastructure
- # MindsDB product training session with our ML engineering team.

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