

Vanna AI

Vanna AI is an open-source Python package designed to facilitate natural language interactions with SQL databases. By leveraging Large Language Models (LLMs) and retrieval augmentation, it enables users to generate accurate SQL queries simply by asking questions in everyday language.

Key Features of Vanna AI:

- **High Accuracy on Complex Datasets:** Vanna's performance improves with the quality and quantity of training data provided, making it adept at handling large and intricate datasets.
- **Open-Source and Customizable:** Being open-source, Vanna allows users to run it on their own infrastructure and tailor it to specific needs.
- **Security-Focused:** Vanna is designed with security in mind, ensuring that your database contents remain protected.
- **Self-Learning Capabilities:** The system continuously improves its performance by augmenting its training data as it is used.
- **Support for Multiple Databases:** Vanna offers out-of-the-box support for databases like Snowflake, BigQuery, Postgres, and more, with the flexibility to create connectors for other databases.
- **Flexible Frontend Integrations:** Users can interact with Vanna through various frontends, including Jupyter Notebooks, Slackbot, web apps, Streamlit apps, or integrate it into existing web applications.

How accurately can LLMs generate SQL?

