plotly

GET A DEMO

DASH ENTERPRISE

Big Data Pipelines

Dash Enterprise is your front end for horizontally scalable, big data computation in Python.

CONTACT SALES
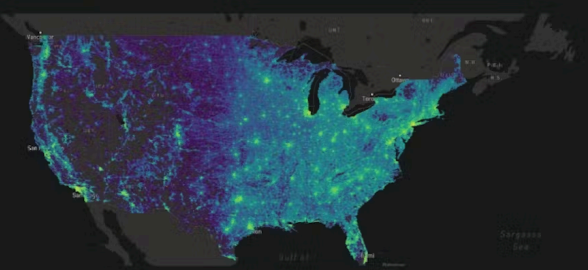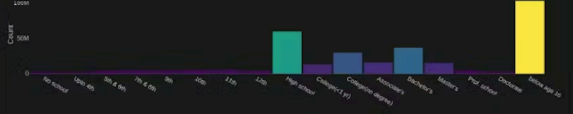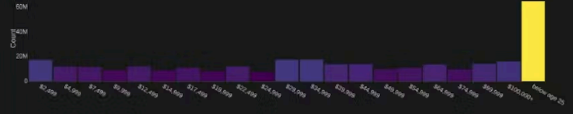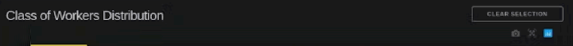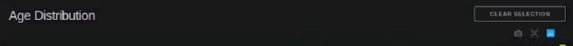
About Big Data Pipelines

SEE A DEMO

Since Python connects to any database, it's easy to empower business users with Dash apps that connect to your databases, query data, perform advanced analytics in Python, and even write back results. As the world's fastest growing language, every database vendor offers a Python connector library (see table below). That's great news for Dash users building analytics apps that connect to databases.

For example, your Dash app might connect to a Snowflake database with Python's Snowflake connector, read customer reviews, perform NLP sentiment analysis, then email a PDF report with Snapshot Engine.

Dash Enterprise ships with battle-tested, plug-and-play Dash app demos for connecting to **Snowflake, Databricks, Postgres, Redis, BigQuery, Salesforce, and Redshift.** These demos show best practices for connecting and querying databases in Python. Scroll below to demo Python Dash apps that connect to today's most back-end popular databases.

Connector Templates

Dash Enterprise ships with plug & play Dash app templates for connecting to these and other data services in Python. These templates demonstrate best practices such as:

plotly

- Connection pooling
- Preventing SQL injection attacks

- Reading SQL query results into Pandas dataframes

- Secure database authentication with the Dash Enterprise **Secrets Manager**

We are not speaking just about reports/dashboards. Dash helps us to organize and combine our data and make it available for a wider spectrum of colleagues, who may require in the future some kind of interaction, such as running finite element simulations for specific parameter combinations.

Senior Simulation Engineer at High-Performance Automobile Manufacturer

plotly
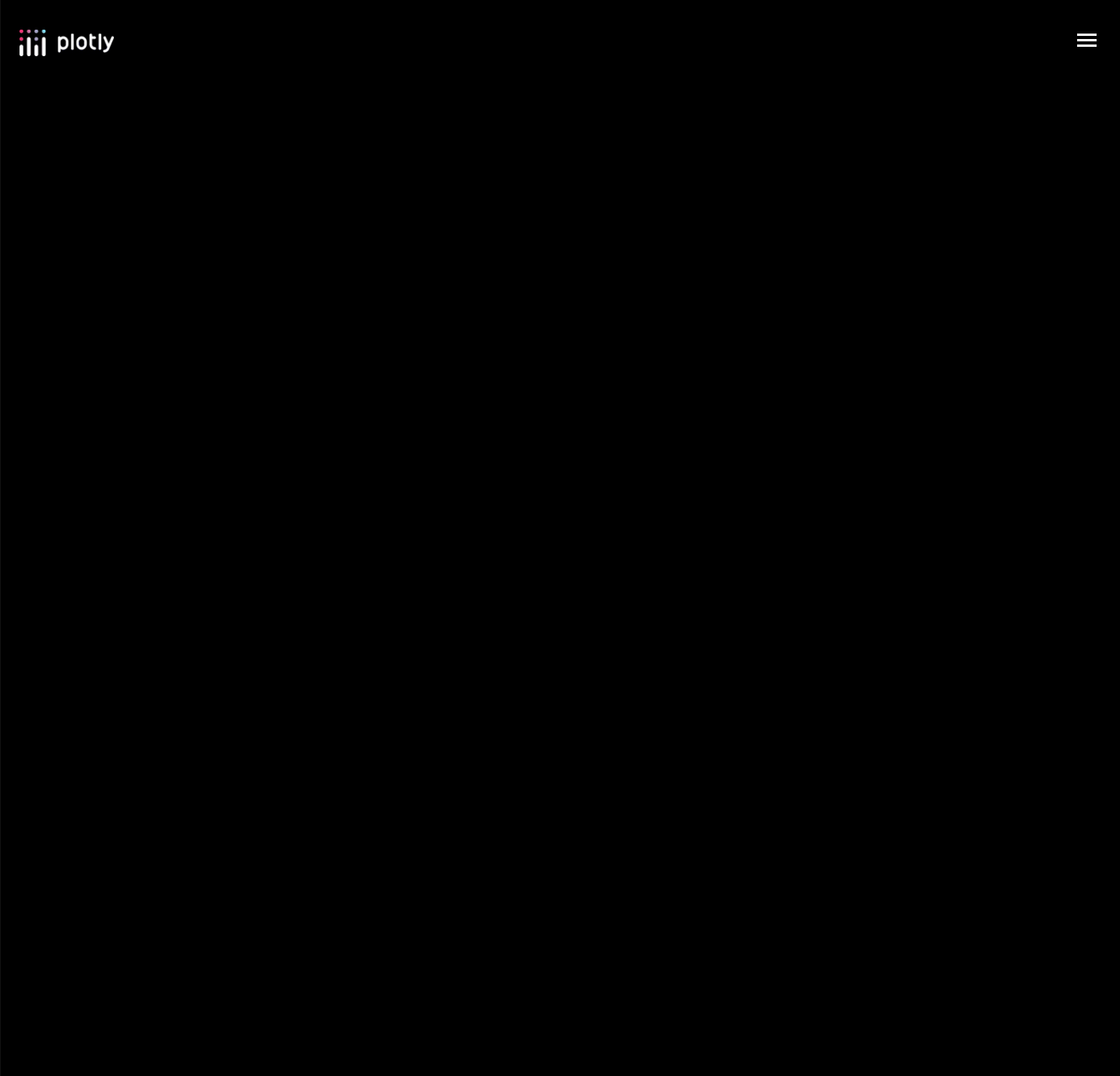
Connect your Dash apps to all major data warehouses.

- Python, R, and Julia supports best-in-class, open-source connection libraries for Snowflake, Amazon Redshift, IBM DB2, Google BigQuery, PostgreSQL, and Azure SQL Data Warehouse, making it simple to connect these data services to your Dash apps. Dash Enterprise comes with connection examples for each of these data warehouses, so you can easily copy/paste the code into your own Dash apps.

- Use Pandas dataframes in **Data Science Workspaces** or your Dash application code to rapidly filter and visualize data warehouse query results.

- Use the Dash Enterprise **Job Queue** to sideline long-running data warehouse queries and accelerate your Dash application performance.

Python connects to any database.

This makes it simple to connect your Dash apps to any database, perform AI & ML routines in Python on the data, then deliver these insights to business users as Dash apps.

Database	Python connector library name	Python library downloads per month	Installation command	Dash app example	Documentation

Database	Python connector library name	Downloads	Install	Dash App	Documentation
Databricks	Databricks SQL Connector for Python	1.5M+	pip install databricks-sql-connector	Dash-Databricks App	Python SQL Connector | Integration Github Repository
MySQL	mysql-connector-python	10M	pip install mysql-connector-python	Contact sales	Querying data
Postgres	pyscopg2	14M	pip install psycopg2-binary	Contact sales	Basic usage
Snowflake	snowflake-connector-python	18M	pip install snowflake-connector-python	Sentiment analysis app	Querying data
Google BigQuery	google-cloud-bigquery	44M	pip install google-cloud-bigquery	Contact sales	Perform a query
Amazon RedShift	redshift_connector	15M	pip install redshift_connector	Contact sales	Basic example
MS Azure SQL	pyodbc	19M	pip install pyodbc	Contact sales	Azure SQL Database libraries for Python
Redis	redis	26M	pip install redis	Redis on Dash Enterprise	redis-py
MongoDB	pymongo	19M	pip install pymongodb	Contact sales	Tutorial
Elasticsearch	elasticsearch	16M	pip install elasticsearch	Contact sales	Python Elasticsearch Client
Postgres, MySQL, SQLite, Oracle, and MS SQL	sqlalchemy	50M	pip install sqlalechemy	Contact sales	SQL Alchemy Dialects
Salesforce	simple-salesforce	4.9M	pip install simple-salesforce	Salesforce Dash app	Simple Salesforce

Database	Python connector library name
Databricks	Databricks SQL Connector for Python
MySQL	mysql-connector-python
Postgres	pyscopg2
Snowflake	snowflake-connector-python
Google BigQuery	google-cloud-bigquery

Amazon RedShift	redshift_connector
MS Azure SQL	pyodbc
Redis	redis
MongoDB	pymongo
Elasticsearch	elasticsearch
Postgres, MySQL, SQLite, Oracle, and MS SQL	sqlalchemy
Salesforce	simple-salesforce

Dash Enterprise Architecture

See Dash in action.

Sign up for a live demo to learn more about our Dash Enteprise offering.

◉ Professional   ○ Student
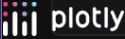
First Name*

Last Name*

Business Email*

Phone

Company Name*

Role*

Are you using Plotly/Dash Open Source?*

Aug 7: Learn how teams turn insights into impact with Plotly Studio. Reserve your webinar seat.

plotly

How can Plotly help?*

By submitting this form, you give Plotly permission to contact you by email. You may unsubscribe at anytime. For more info, view our _Privacy Policy_.

[SPEAK WITH PLOTLY]   *required

SUBSCRIBE TO PLOTLY

Enter your email address   LET'S GO

PRODUCT

Dash Enterprise

Plotly AI

Plotly Studio New

New Releases →

DOCS

Dash Enterprise

Dash Open Source

Graphing Libraries

COMPANY

Careers WE ARE HIRING

Contact Us

Press & News

Brand Guidelines

SERVICES

Customer Success

Professional Services

RESOURCES

Videos

User Stories

Blog

SOLUTIONS

Gen AI & ML

Financial Services

Healthcare & Life Sciences

Não foi possível conectar-se ao serviço reCAPTCHA. Verifique sua conexão com a Internet e atualize a página para ver um desafio reCAPTCHA.