How open-source enables innovation: a case study with dbt and Lightdash



Agenda

- Introductions
- Overview of dbt & Lightdash
- Principles that enables innovation
- Demo
- Q&A

Speaking Today



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Product & Data at

Lightdash

The Principles to drive innovation

The Mindset & The Process



The dbt viewpoint: Build data like developers build applications

Unite on SQL

SQL is used by every cloud data warehouse, and known by every data team.

Work like engineers

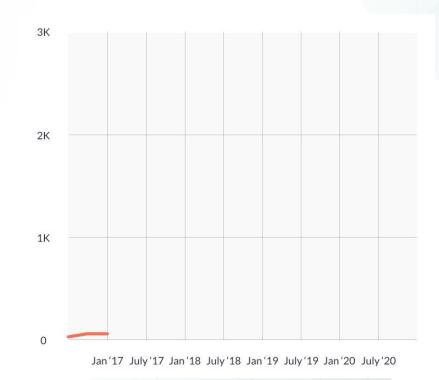
Modularity, testing, CI, & documentation promote speed and reliability.

dbt adoption is growing quickly, and organically

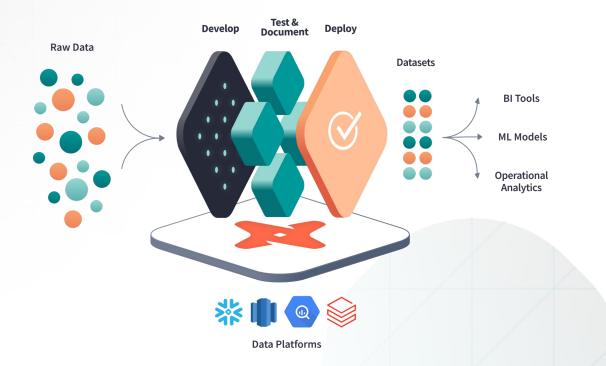
7,000+ companies using dbt

2,000+ dbt Cloud customers

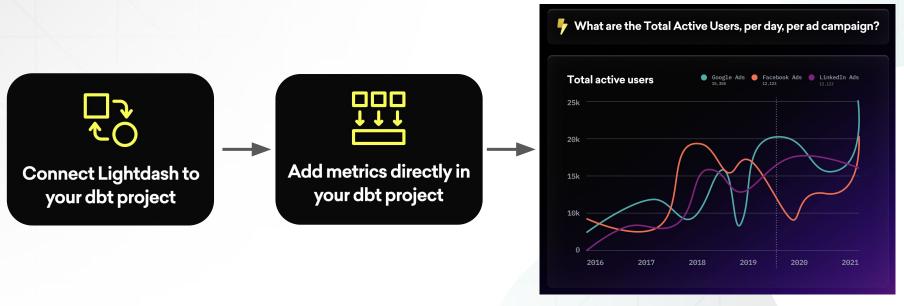
19,000+ in the dbt Slack community



Develop, test, and deploy data products in your warehouse



Lightdash empowers everyone to answer their questions using your company's data.



Create and share your insights

Lightdash gives users meaningful building blocks to answer their own data questions.

- You have a curated set of metrics and dimensions so you can cut your data in different ways.
- Built on dbt transform-layer native
- Build trust in your data show freshness, testing and other metadata
- Keep all of your business logic in one place - metrics + dimensions defined directly in your dbt project



The Principles to drive innovation

Mindset:

Developer-driven Community

- Accessible documentation
- Transparent collaboration via Slack & Github
 - Public channels over DMs
- Product-driven development

Process:

Technical Enablement

- Modifiable, extensible and reusable
- Platform for third-party apps
- Tech that stays relevant

Community Contributions

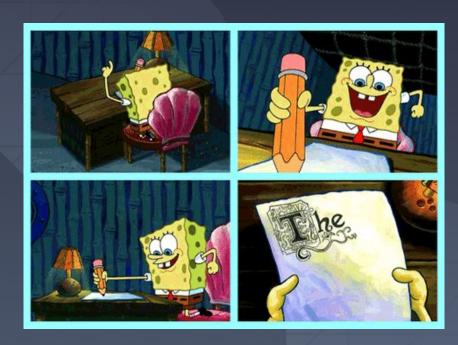
The Slack community

- 19,000+ data engineers, analysts, vendors
- Channels about dbt best practices, product feedback, and analytics tooling as a whole



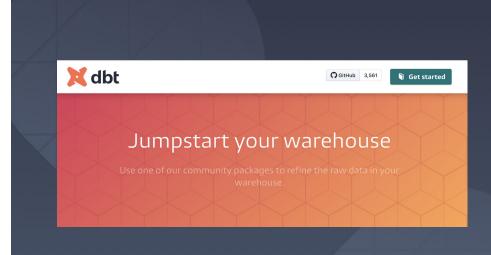
Documentation

- Yes, we all know this is important and difficult to do!
- Meet the user where they are.
- Docs accessible to different technical levels
 - Open to community commentary and edits



Packages

- dbt's version of Python libraries
- Open source code
- Solutions for analytics workflows like:
 - Modeling SaaS datasets for your
 - Access to community perfected macros for testing, db automation



Integrations

- Integrating with dbt and the dbt workflow
- Options
 - Increasing the platforms dbt can run on
 - Consumption of dbt project& metadata

Vendor Supported

These adapter plugins are built and maintained by the same people who build and maintain the complementary data technology.

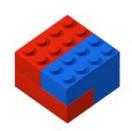
Adapter for	Documentation	Install from PyPi	
Materialize (dbt-	Profile Setup	pip install dbt-	
materialize)		materialize	

Community Supported

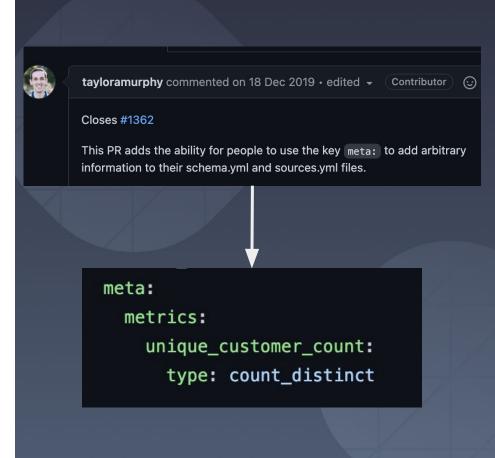
These adapter plugins are contributed and maintained by members of the community

Adapter for	Documentation	Notes	Install from PyPI
SQL Server &	Profile Setup	SQL Server	pip install
Azure SQL	Frome Setup	2016 and later	dbt-sqlserver

Technical Enablement



 Lightdash started by extending the meta key in dbt (a community contributed feature)



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- dbt has built processes = easier to contribute + enables better contributions



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Platform for third-party apps



Platform for third-party apps

- Encourages an ecosystem to build third party applications
- dbt was the platform that we built Lightdash on.



https://landscape.cncf.io/? category = kubernetes-certified-service-provider & grouping = category = kubernetes-certified-

Tech that stays relevant



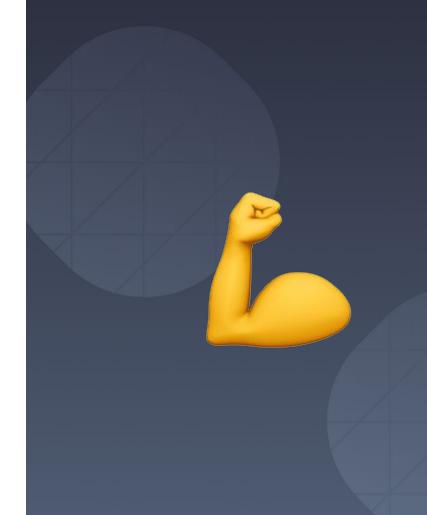
Tech that stays relevant

 Promoting a meritocracy of ideas and allowing people to collaborate on projects.



Tech that stays relevant

- Promoting a meritocracy of ideas and allowing people to collaborate on projects.
- The project will become more robust as different people find different uses for it.





Questions? Comments?

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Technical Enablement

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Thank you!

- Chat with us in dbt Slack #tools-lightdash
- O Join us on GitHub <u>lightdash/lightdash</u> & <u>dbt-labs/dbt-core</u>
- Skip the queue for **Lightdash** lightdash.com/osacon

