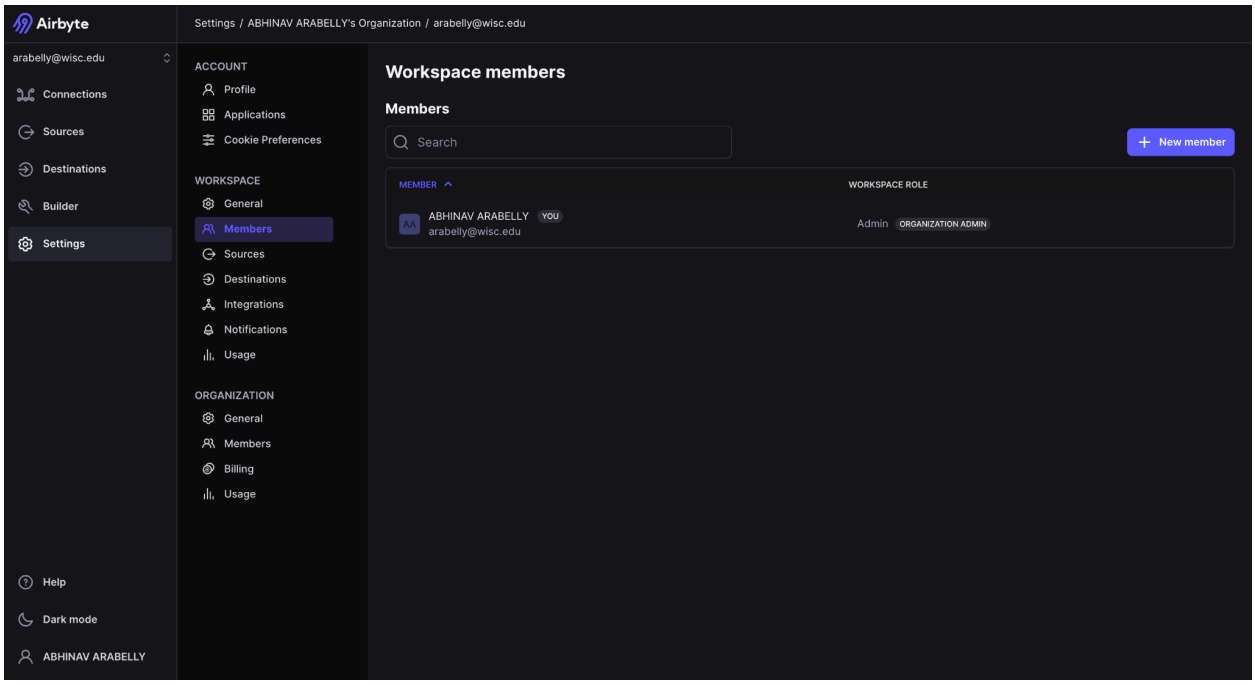
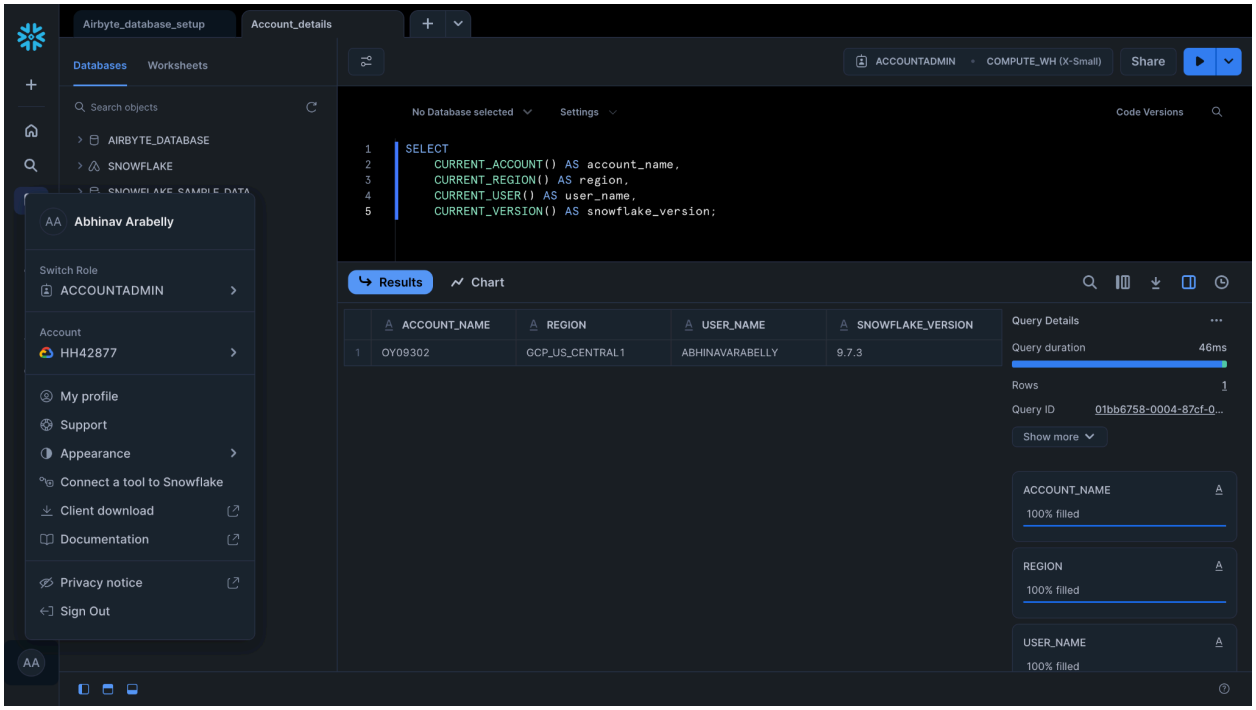
ABHINAV ARABELLY
ROHAN PURANDHAR

1.



2.



3.

Q3

```
[5]: !which dbt
```

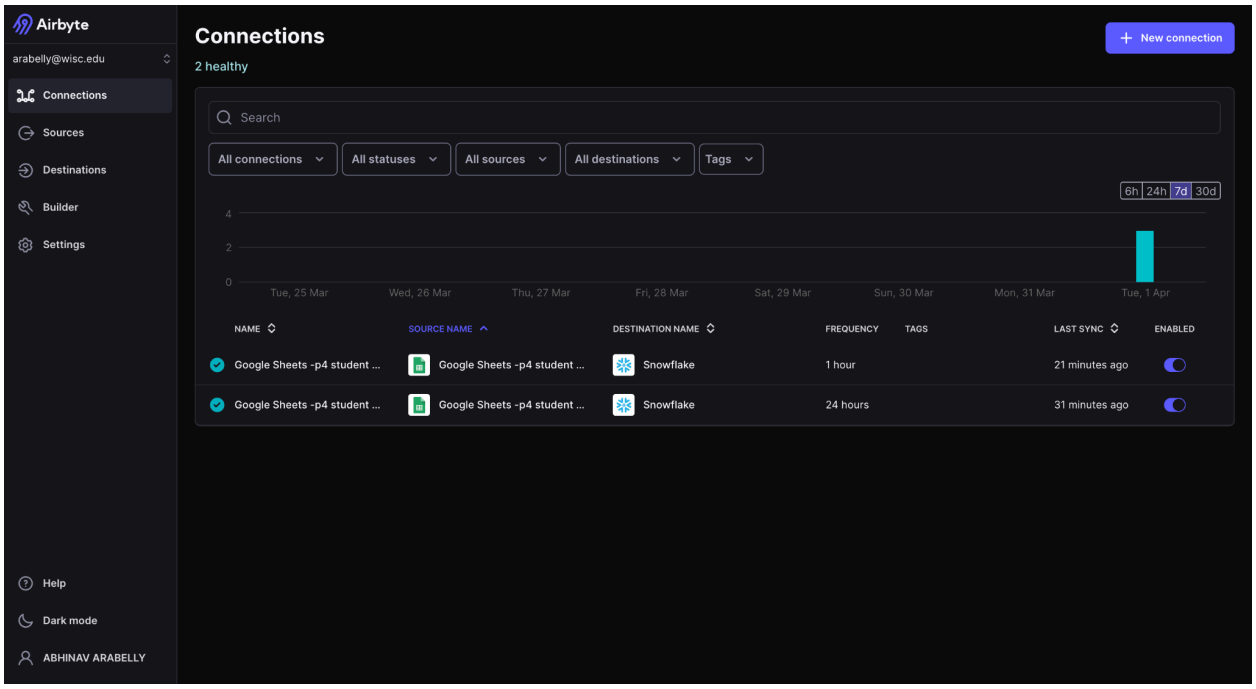
```
/home/arabellyabhinav/.local/bin/dbt
```

4.

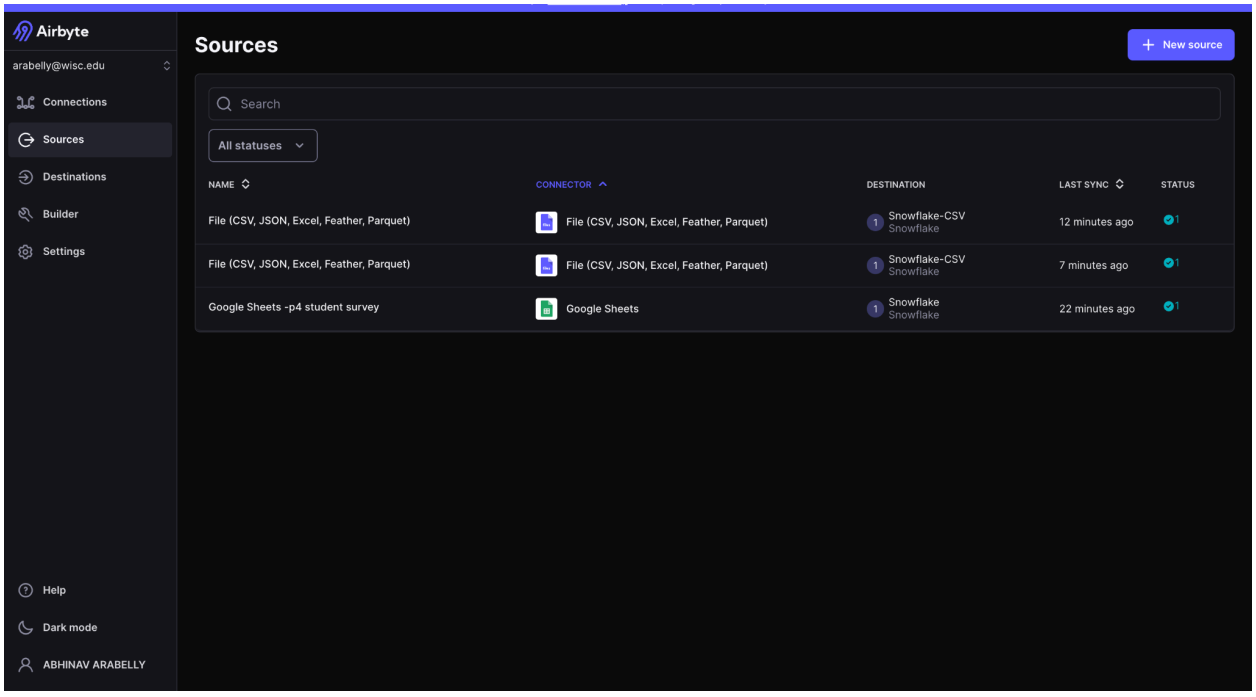
```
SET p4_role = 'P4_ROLE';
SET p4_user = 'ABHINAVARABELLY';
SET p4_warehouse = 'P4_WAREHOUSE';
SET survey_db = 'SURVEY_DATABASE';
SET stock_db = 'STOCK_DB';
SET survey_schema = 'SURVEY_SCHEMA';
SET stock_schema = 'STOCK_SCHEMA';

BEGIN;

USE ROLE ACCOUNTADMIN;
```

```
CREATE WAREHOUSE IF NOT EXISTS IDENTIFIER($p4_warehouse)
 WAREHOUSE_SIZE = XSMALL
 WAREHOUSE_TYPE = STANDARD
 AUTO_SUSPEND = 60
 AUTO_RESUME = TRUE
 INITIALLY_SUSPENDED = TRUE;

CREATE DATABASE IF NOT EXISTS IDENTIFIER($survey_db);
CREATE DATABASE IF NOT EXISTS IDENTIFIER($stock_db);

CREATE ROLE IF NOT EXISTS IDENTIFIER($p4_role);

GRANT ROLE IDENTIFIER($p4_role) TO ROLE SYSADMIN;

GRANT USAGE ON WAREHOUSE IDENTIFIER($p4_warehouse) TO ROLE IDENTIFIER($p4_role);

GRANT ROLE IDENTIFIER($p4_role) TO USER IDENTIFIER($p4_user);

GRANT OWNERSHIP ON DATABASE IDENTIFIER($survey_db) TO ROLE IDENTIFIER($p4_role);
GRANT OWNERSHIP ON DATABASE IDENTIFIER($stock_db) TO ROLE IDENTIFIER($p4_role);

COMMIT;

USE ROLE IDENTIFIER($p4_role);

USE DATABASE IDENTIFIER($survey_db);
CREATE SCHEMA IF NOT EXISTS IDENTIFIER($survey_schema);

USE DATABASE IDENTIFIER($stock_db);
CREATE SCHEMA IF NOT EXISTS IDENTIFIER($stock_schema);

USE DATABASE IDENTIFIER($survey_db);
GRANT OWNERSHIP ON SCHEMA IDENTIFIER($survey_schema) TO ROLE IDENTIFIER($p4_role);

USE DATABASE IDENTIFIER($stock_db);
GRANT OWNERSHIP ON SCHEMA IDENTIFIER($stock_schema) TO ROLE IDENTIFIER($p4_role);
```

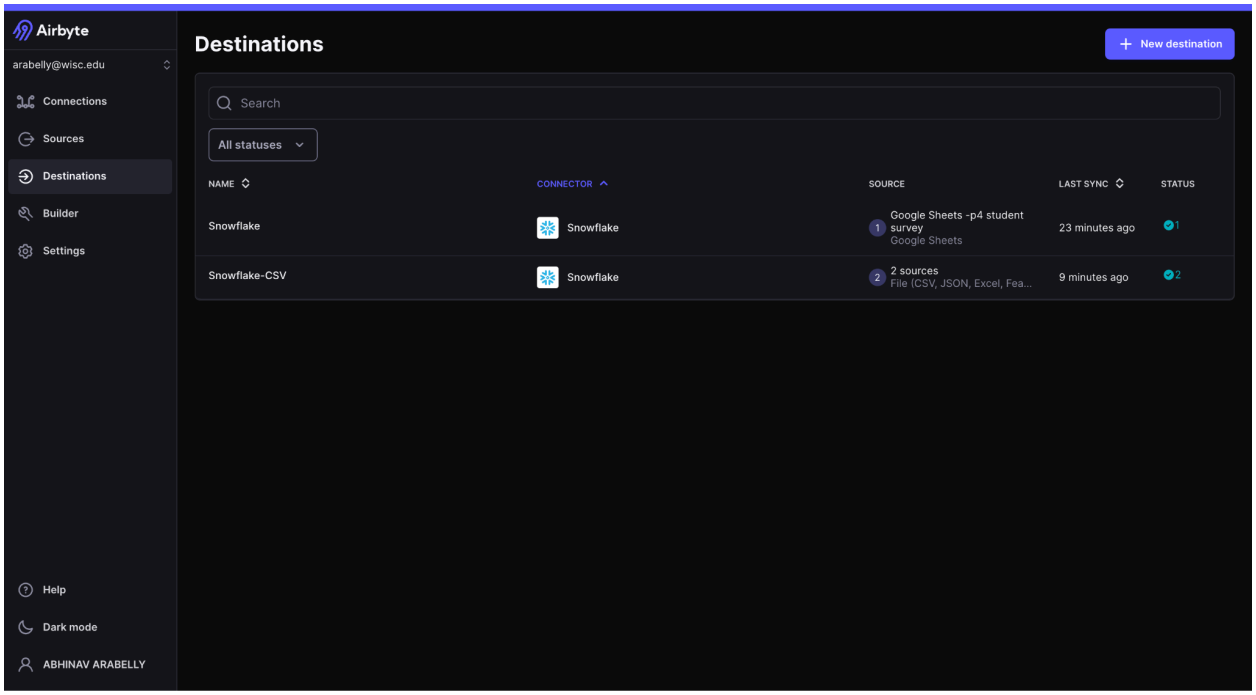
5.


Airbyte
arabelly@wisc.edu
Connections
Sources
Destinations
Builder
Settings
Help
Dark mode
ABHINAV ARABELLY
Connections
2 healthy
New connection
Search
All connections
All statuses
All sources
All destinations
Tags
6h 24h 7d 30d
4
2
0
Tue, 25 Mar
Wed, 26 Mar
Thu, 27 Mar
Fri, 28 Mar
Sat, 29 Mar
Sun, 30 Mar
Mon, 31 Mar
Tue, 1 Apr
NAME
SOURCE NAME
DESTINATION NAME
FREQUENCY
TAGS
LAST SYNC
ENABLED
Google Sheets -p4 student ...
Google Sheets -p4 student ...
Snowflake
1 hour
21 minutes ago
Google Sheets -p4 student ...
Google Sheets -p4 student ...
Snowflake
24 hours
31 minutes ago

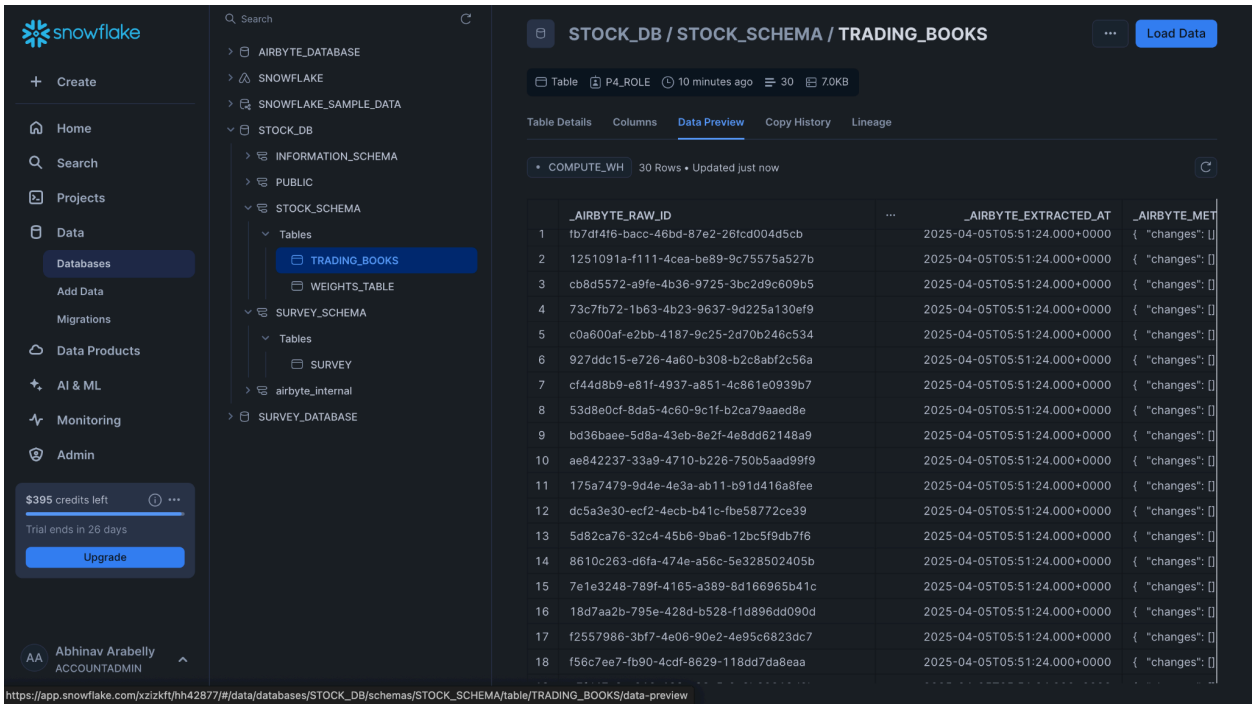
6.


Airbyte
arabelly@wisc.edu
Connections
Sources
Destinations
Builder
Settings
Help
Dark mode
ABHINAV ARABELLY
Sources
New source
Search
All statuses
NAME
CONNECTOR
DESTINATION
LAST SYNC
STATUS
File (CSV, JSON, Excel, Feather, Parquet)
File (CSV, JSON, Excel, Feather, Parquet)
Snowflake-CSV
Snowflake
12 minutes ago
File (CSV, JSON, Excel, Feather, Parquet)
File (CSV, JSON, Excel, Feather, Parquet)
Snowflake-CSV
Snowflake
7 minutes ago
Google Sheets -p4 student survey
Google Sheets
Snowflake
Snowflake
22 minutes ago

7.


Airbyte
arabelly@wisc.edu
Connections
Sources
Destinations
Builder
Settings
Help
Dark mode
ABHINAV ARABELLY
Destinations
New destination
Search
All statuses
NAME
CONNECTOR
SOURCE
LAST SYNC
STATUS
Snowflake
Snowflake
Google Sheets -p4 student survey
Google Sheets
23 minutes ago
Snowflake-CSV
Snowflake
2 sources
File (CSV, JSON, Excel, Fea...
9 minutes ago

8.


snowflake
Create
Home
Search
Projects
Data
Databases
Add Data
Migrations
Data Products
AI & ML
Monitoring
Admin
$395 credits left
Trial ends in 26 days
Upgrade
Abhinav Arabelly
ACCOUNTADMIN
AIRBYTE_DATABASE
SNOWFLAKE
SNOWFLAKE_SAMPLE_DATA
STOCK_DB
INFORMATION_SCHEMA
PUBLIC
STOCK_SCHEMA
Tables
TRADING_BOOKS
WEIGHTS_TABLE
SURVEY_SCHEMA
Tables
SURVEY
airbyte_internal
SURVEY_DATABASE
STOCK_DB / STOCK_SCHEMA / TRADING_BOOKS
Load Data
Table
P4_ROLE
10 minutes ago
30
7.0KB
Table Details
Columns
Data Preview
Copy History
Lineage
COMPUTE_WH
30 Rows • Updated just now
_AIRBYTE_RAW_ID
_AIRBYTE_EXTRACTED_AT
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f56c7ee7-fb90-4cdf-8629-118dd7da8eaa
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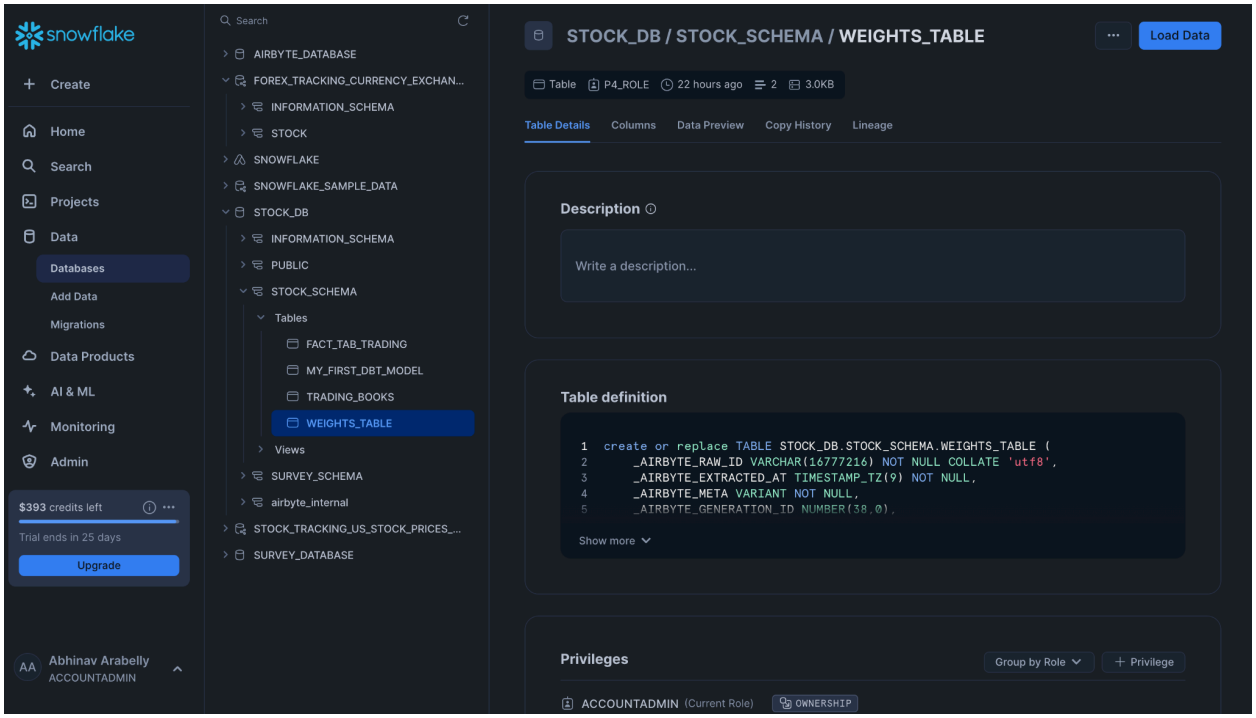
snowflake
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Data Products
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Admin
$393 credits left
Trial ends in 25 days
Upgrade
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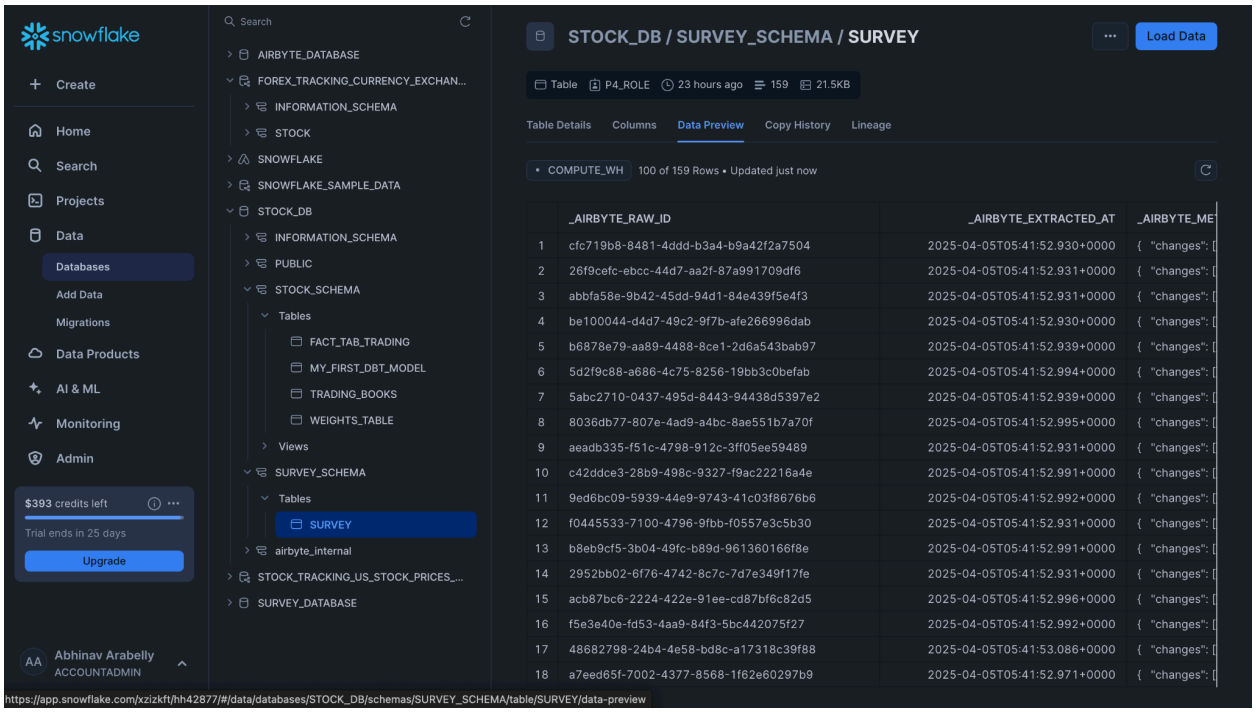
ACCOUNTADMIN
Search
AIRBYTE_DATABASE
FOREX_TRACKING_CURRENCY_EXCHAN...
INFORMATION_SCHEMA
STOCK
SNOWFLAKE
SNOWFLAKE_SAMPLE_DATA
STOCK_DB
INFORMATION_SCHEMA
PUBLIC
STOCK_SCHEMA
Tables
FACT_TAB_TRADING
MY_FIRST_DBT_MODEL
TRADING_BOOKS
WEIGHTS_TABLE
Views
SURVEY_SCHEMA
airbyte_internal
STOCK_TRACKING_US_STOCK_PRICES_...
SURVEY_DATABASE
STOCK_DB / STOCK_SCHEMA / WEIGHTS_TABLE
Load Data
Table
P4_ROLE
22 hours ago
2
3.0KB
Table Details
Columns
Data Preview
Copy History
Lineage
Description
Write a description...
Table definition
create or replace TABLE STOCK_DB.STOCK_SCHEMA.WEIGHTS_TABLE (
_AIRBYTE_RAW_ID VARCHAR(16777216) NOT NULL COLLATE 'utf8',
_AIRBYTE_EXTRACTED_AT TIMESTAMP_TZ(9) NOT NULL,
_AIRBYTE_META VARIANT NOT NULL,
_AIRBYTE_GENERATION_ID NUMBER(38,0),
Show more
Privileges
Group by Role
Privilege
ACCOUNTADMIN (Current Role)
OWNERSHIP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Add Data
Migrations
Data Products
AI & ML
Monitoring
Admin
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Trial ends in 25 days
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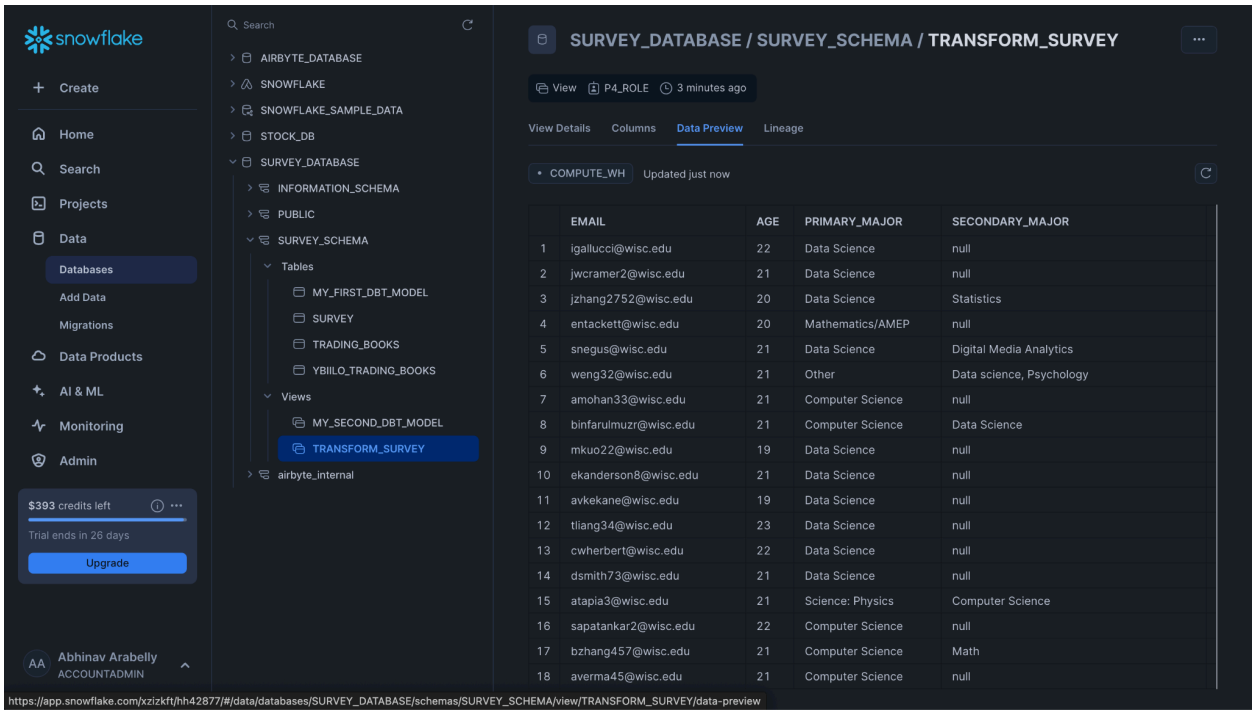
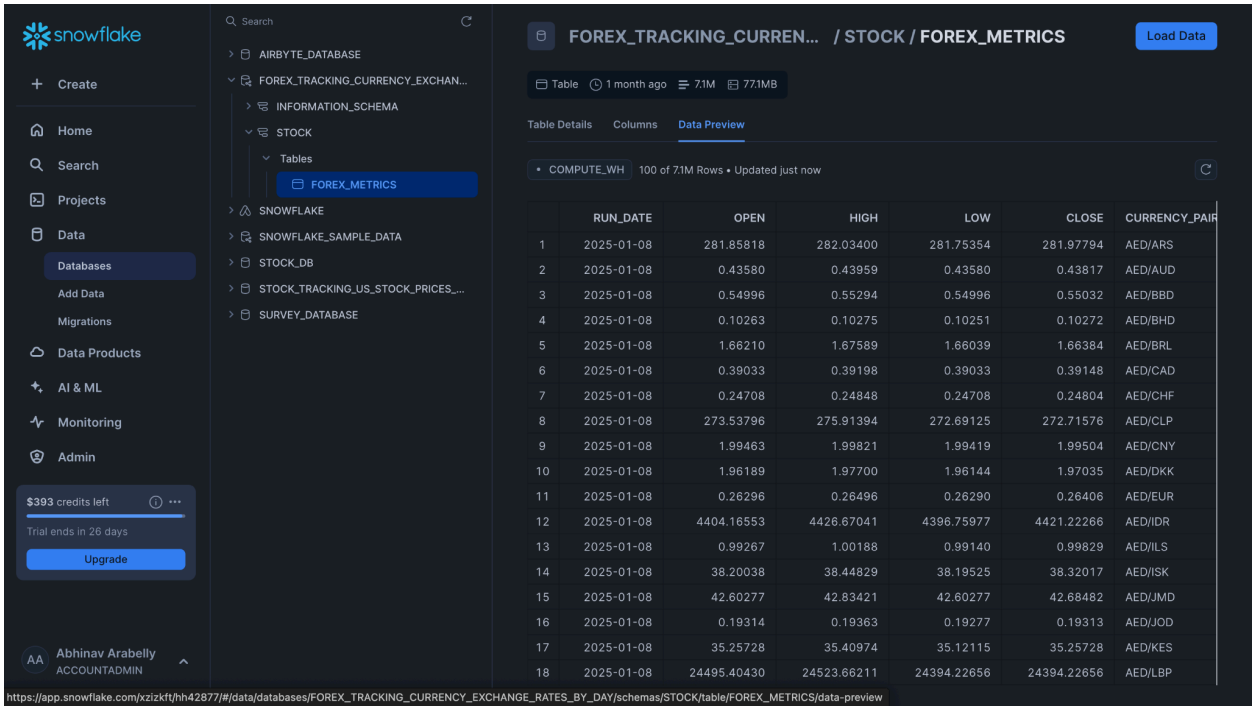
ACCOUNTADMIN
Search
AIRBYTE_DATABASE
FOREX_TRACKING_CURRENCY_EXCHAN...
INFORMATION_SCHEMA
STOCK
SNOWFLAKE
SNOWFLAKE_SAMPLE_DATA
STOCK_DB
INFORMATION_SCHEMA
PUBLIC
STOCK_SCHEMA
Tables
FACT_TAB_TRADING
MY_FIRST_DBT_MODEL
TRADING_BOOKS
WEIGHTS_TABLE
Views
SURVEY_SCHEMA
Tables
SURVEY
airbyte_internal
STOCK_TRACKING_US_STOCK_PRICES_...
SURVEY_DATABASE
STOCK_DB / SURVEY_SCHEMA / SURVEY
Load Data
Table
P4_ROLE
23 hours ago
159
21.5KB
Table Details
Columns
Data Preview
Copy History
Lineage
COMPUTE_WH
100 of 159 Rows • Updated just now
_AIRBYTE_RAW_ID
_AIRBYTE_EXTRACTED_AT
_AIRBYTE_ME
1 cfc719b8-8481-4ddd-b3a4-b9a42f2a7504 2025-04-05T05:41:52.930+0000
2 26f9cefc-ebcc-44d7-aa2f-87a991709df6 2025-04-05T05:41:52.931+0000
3 abbfa58e-9b42-45dd-94d1-84e439f5e4f3 2025-04-05T05:41:52.931+0000
4 be100044-d4d7-49c2-9f7b-afe266996dab 2025-04-05T05:41:52.930+0000
5 b6878e79-aa89-4488-8ce1-2d6a543bab97 2025-04-05T05:41:52.939+0000
6 5d2f9c88-a686-4c75-8256-19bb3c0befab 2025-04-05T05:41:52.994+0000
7 5abc2710-0437-495d-8443-94438d5397e2 2025-04-05T05:41:52.939+0000
8 8036db77-807e-4ad9-a4bc-8ae551b7a70f 2025-04-05T05:41:52.995+0000
9 aeadb335-f51c-4798-912c-3ff05ee59489 2025-04-05T05:41:52.931+0000
10 c42ddce3-28b9-498c-9327-f9ac22216a4e 2025-04-05T05:41:52.991+0000
11 9ed6bc09-5939-44e9-9743-41c03f8676b6 2025-04-05T05:41:52.992+0000
12 f0445533-7100-4796-9fbb-f0557e3c5b30 2025-04-05T05:41:52.931+0000
13 b8eb9cf5-3b04-49fc-b89d-961360166f8e 2025-04-05T05:41:52.991+0000
14 2952bb02-6f76-4742-8c7c-7d7e349f17fe 2025-04-05T05:41:52.931+0000
15 acb87bc6-2224-422e-91ee-cd87bf6c82d5 2025-04-05T05:41:52.996+0000
16 f5e3e40e-fd53-4aa9-84f3-5bc442075f27 2025-04-05T05:41:52.992+0000
17 48682798-24b4-4e58-bd8c-a17318c39f88 2025-04-05T05:41:53.086+0000
18 a7eed65f-7002-4377-8568-1f62e60297b9 2025-04-05T05:41:52.971+0000
https://app.snowflake.com/xzizkft/hh42877/#/data/databases/STOCK_DB/schemas/SURVEY_SCHEMA/table/SURVEY/data-preview

9.



	EMAIL	AGE	PRIMARY_MAJOR	SECONDARY_MAJOR
1	igallucci@wisc.edu	22	Data Science	null
2	jwcramer2@wisc.edu	21	Data Science	null
3	jzhang2752@wisc.edu	20	Data Science	Statistics
4	entackett@wisc.edu	20	Mathematics/AMEP	null
5	snegus@wisc.edu	21	Data Science	Digital Media Analytics
6	weng32@wisc.edu	21	Other	Data science, Psychology
7	amohan33@wisc.edu	21	Computer Science	null
8	binfarulmuzr@wisc.edu	21	Computer Science	Data Science
9	mkuo22@wisc.edu	19	Data Science	null
10	ekanderson8@wisc.edu	21	Data Science	null
11	avkekane@wisc.edu	19	Data Science	null
12	tliang34@wisc.edu	23	Data Science	null
13	cwherbert@wisc.edu	22	Data Science	null
14	dsmith73@wisc.edu	21	Data Science	null
15	atapia3@wisc.edu	21	Science: Physics	Computer Science
16	sapatankar2@wisc.edu	22	Computer Science	null
17	bzhang457@wisc.edu	21	Computer Science	Math
18	averma45@wisc.edu	21	Computer Science	null

17.


snowflake
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Migrations
Data Products
AI & ML
Monitoring
Admin
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Trial ends in 26 days
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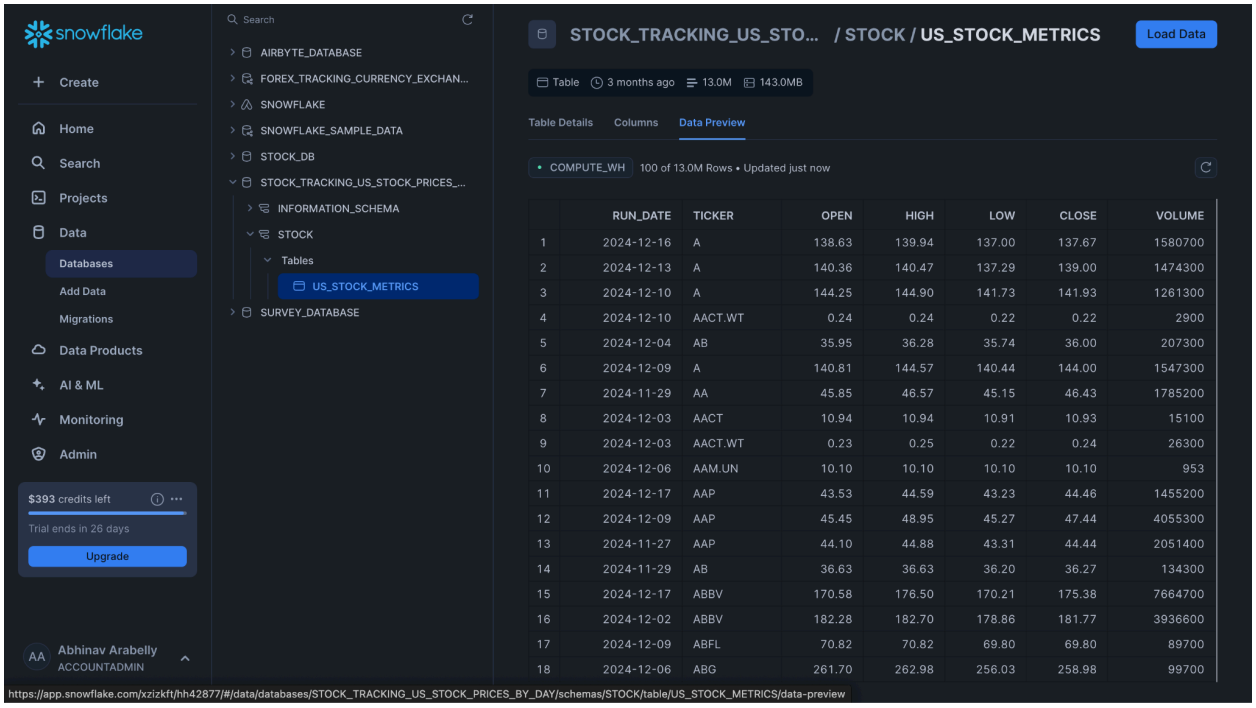
Search
AIRBYTE_DATABASE
FOREX_TRACKING_CURRENCY_EXCHAN...
INFORMATION_SCHEMA
STOCK
Tables
FOREX_METRICS
SNOWFLAKE
SNOWFLAKE_SAMPLE_DATA
STOCK_DB
STOCK_TRACKING_US_STOCK_PRICES_...
SURVEY_DATABASE
FOREX_TRACKING_CURREN... / STOCK / FOREX_METRICS
Load Data
Table 1 month ago 7.1M 77.1MB
Table Details
Columns
Data Preview
COMPUTE_WH 100 of 7.1M Rows • Updated just now
RUN_DATE OPEN HIGH LOW CLOSE CURRENCY_PAIR
1 2025-01-08 281.85818 282.03400 281.75354 281.97794 AED/ARS
2 2025-01-08 0.43580 0.43959 0.43580 0.43817 AED/AUD
3 2025-01-08 0.54996 0.55294 0.54996 0.55032 AED/BBD
4 2025-01-08 0.10263 0.10275 0.10251 0.10272 AED/BHD
5 2025-01-08 1.66210 1.67589 1.66039 1.66384 AED/BRL
6 2025-01-08 0.39033 0.39198 0.39033 0.39148 AED/CAD
7 2025-01-08 0.24708 0.24848 0.24708 0.24804 AED/CHF
8 2025-01-08 273.53796 275.91394 272.69125 272.71576 AED/CLP
9 2025-01-08 1.99463 1.99821 1.99419 1.99504 AED/CNY
10 2025-01-08 1.96189 1.97700 1.96144 1.97035 AED/DKK
11 2025-01-08 0.26296 0.26496 0.26290 0.26406 AED/EUR
12 2025-01-08 4404.16553 4426.67041 4396.75977 4421.22266 AED/IDR
13 2025-01-08 0.99267 1.00188 0.99140 0.99829 AED/ILS
14 2025-01-08 38.20038 38.44829 38.19525 38.32017 AED/ISK
15 2025-01-08 42.60277 42.83421 42.60277 42.68482 AED/JMD
16 2025-01-08 0.19314 0.19363 0.19277 0.19313 AED/JOD
17 2025-01-08 35.25728 35.40974 35.12115 35.25728 AED/KES
18 2025-01-08 24495.40430 24523.66211 24394.22656 24394.22656 AED/LBP
https://app.snowflake.com/xzizkft/hh42877/#/data/databases/FOREX_TRACKING_CURRENCY_EXCHANGE_RATES_BY_DAY/schemas/STOCK/table/FOREX_METRICS/data-preview


snowflake
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Home
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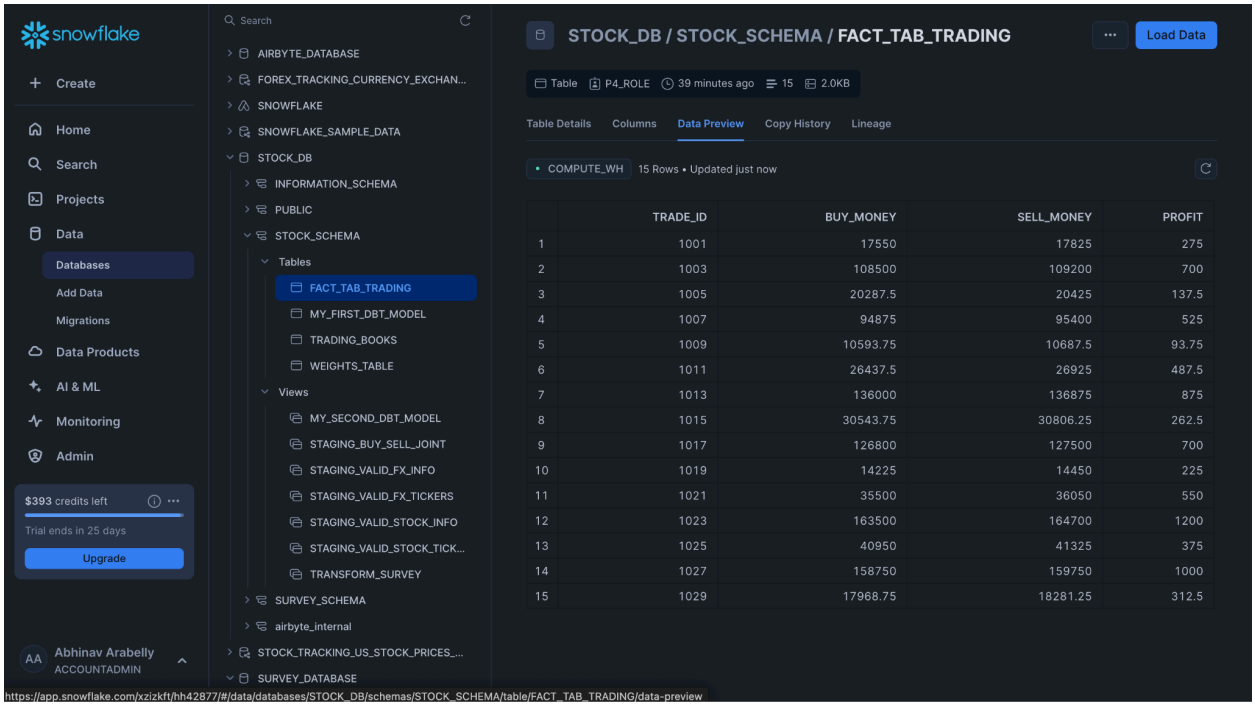
Databases
Add Data
Migrations
Data Products
AI & ML
Monitoring
Admin
$393 credits left
Trial ends in 26 days
Upgrade
Abhinav Arabelly
ACCOUNTADMIN
Search
AIRBYTE_DATABASE
FOREX_TRACKING_CURRENCY_EXCHAN...
SNOWFLAKE
SNOWFLAKE_SAMPLE_DATA
STOCK_DB
STOCK_TRACKING_US_STOCK_PRICES_...
INFORMATION_SCHEMA
STOCK
Tables
US_STOCK_METRICS
SURVEY_DATABASE
STOCK_TRACKING_US_STO... / STOCK / US_STOCK_METRICS
Load Data
Table 3 months ago 13.0M 143.0MB
Table Details
Columns
Data Preview
COMPUTE_WH 100 of 13.0M Rows • Updated just now
RUN_DATE TICKER OPEN HIGH LOW CLOSE VOLUME
1 2024-12-16 A 138.63 139.94 137.00 137.67 1580700
2 2024-12-13 A 140.36 140.47 137.29 139.00 1474300
3 2024-12-10 A 144.25 144.90 141.73 141.93 1261300
4 2024-12-10 AACT.WT 0.24 0.24 0.22 0.22 2900
5 2024-12-04 AB 35.95 36.28 35.74 36.00 207300
6 2024-12-09 A 140.81 144.57 140.44 144.00 1547300
7 2024-11-29 AA 45.85 46.57 45.15 46.43 1785200
8 2024-12-03 AACT 10.94 10.94 10.91 10.93 15100
9 2024-12-03 AACT.WT 0.23 0.25 0.22 0.24 26300
10 2024-12-06 AAM.UN 10.10 10.10 10.10 10.10 953
11 2024-12-17 AAP 43.53 44.59 43.23 44.46 1455200
12 2024-12-09 AAP 45.45 48.95 45.27 47.44 4055300
13 2024-11-27 AAP 44.10 44.88 43.31 44.44 2051400
14 2024-11-29 AB 36.63 36.63 36.20 36.27 134300
15 2024-12-17 ABBV 170.58 176.50 170.21 175.38 7664700
16 2024-12-02 ABBV 182.28 182.70 178.86 181.77 3936600
17 2024-12-09 ABFL 70.82 70.82 69.80 69.80 89700
18 2024-12-06 ABG 261.70 262.98 256.03 258.98 99700
https://app.snowflake.com/xzizkft/hh42877/#/data/databases/STOCK_TRACKING_US_STOCK_PRICES_BY_DAY/schemas/STOCK/table/US_STOCK_METRICS/data-preview



	TRADE_ID	BUY_MONEY	SELL_MONEY	PROFIT
1	1001	17550	17825	275
2	1003	108500	109200	700
3	1005	20287.5	20425	137.5
4	1007	94875	95400	525
5	1009	10593.75	10687.5	93.75
6	1011	26437.5	26925	487.5
7	1013	136000	136875	875
8	1015	30543.75	30806.25	262.5
9	1017	126800	127500	700
10	1019	14225	14450	225
11	1021	35500	36050	550
12	1023	163500	164700	1200
13	1025	40950	41325	375
14	1027	158750	159750	1000
15	1029	17968.75	18281.25	312.5