**COST MONITORING DASHBOARD**

**FILTERS:**

* **DATERANGE(Default Filter)**
* **Connector\_id(Custom Filter):**

Display Name :- Connector\_Id

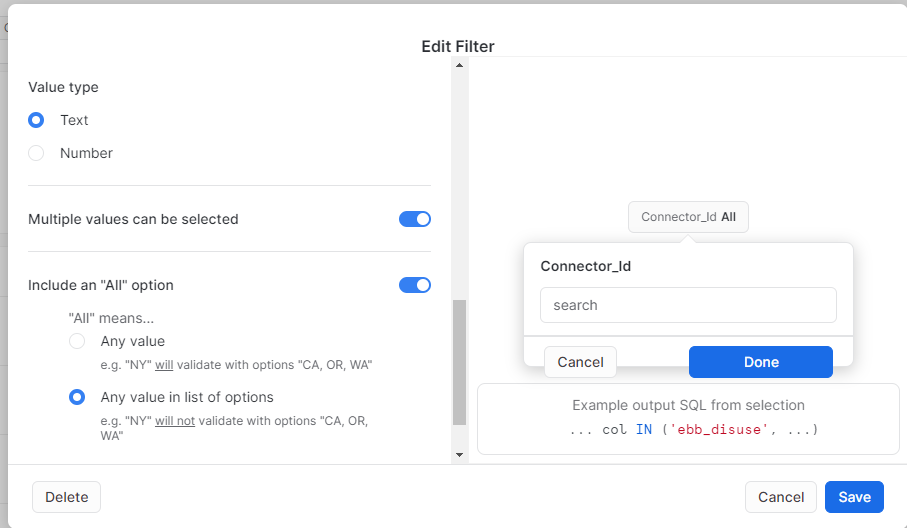
SQL Keyword :- Connector\_Id

Role :- Analyst

Warehouse :- FIVETRAN\_WH

Options Via :- Query

Write Query :- SELECT dISTINCT CONNECTOR\_ID FROM FIVETRAN.FIVETRAN\_LOG.CONNECTOR;

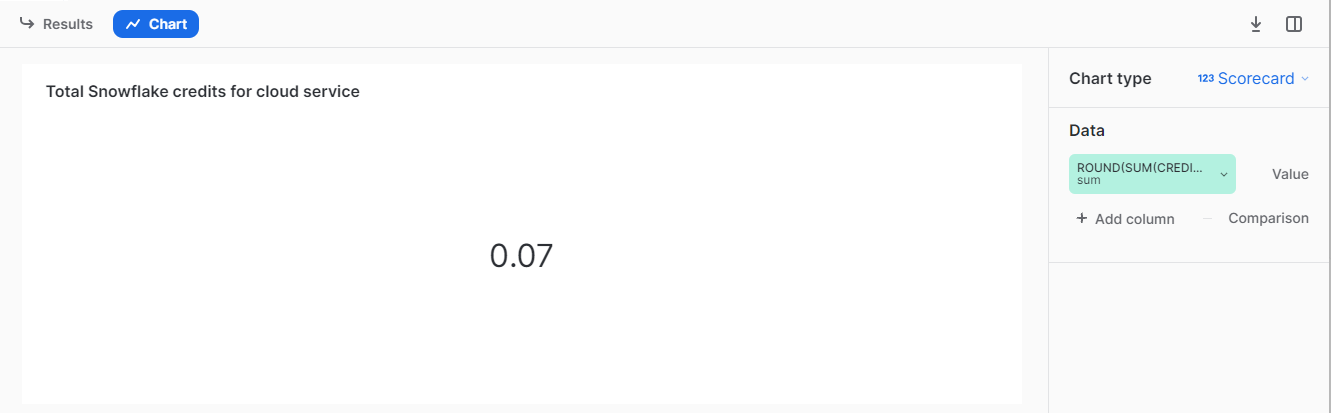


**3.1 Total Snowflake credit consumed by fivetran for cloud service**

select round(sum(CREDITS\_USED\_CLOUD\_SERVICES),2)

from "SNOWFLAKE"."ACCOUNT\_USAGE"."WAREHOUSE\_METERING\_HISTORY"

where warehouse\_name ='FIVETRAN\_WH' and START\_TIME=:daterange;

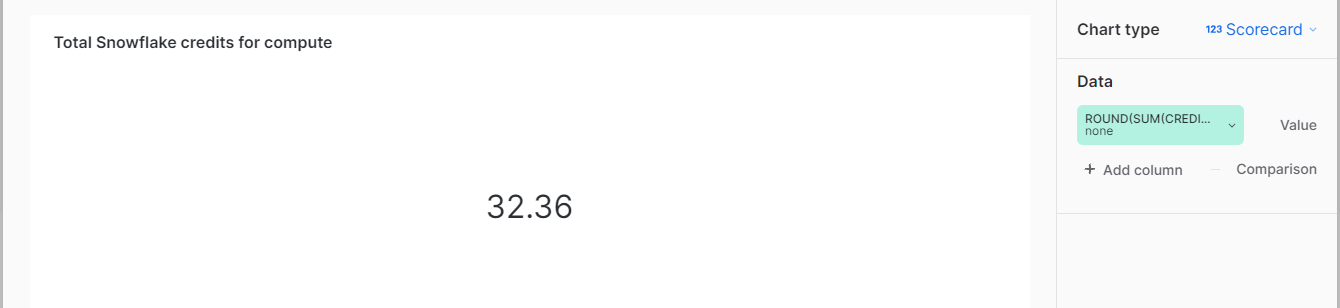


**3.2** **Total Snowflake credit consumed by fivetran for compute**

select round(sum(CREDITS\_USED\_COMPUTE),2)

from "SNOWFLAKE"."ACCOUNT\_USAGE"."WAREHOUSE\_METERING\_HISTORY"

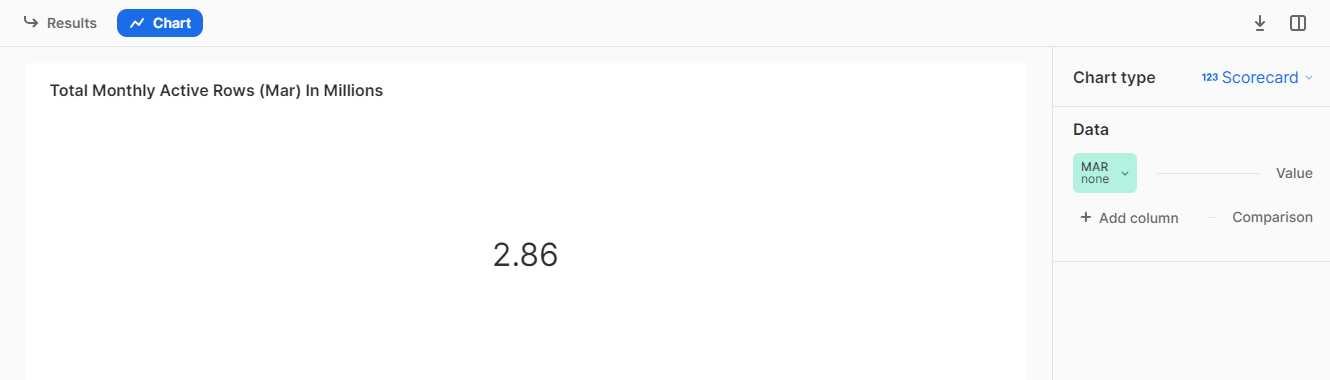
where warehouse\_name ='FIVETRAN\_WH' and START\_TIME=:daterange;



**3.3 Total Monthly Active Rows (Mar) In Millions**

select ROUND(sum(INCREMENTAL\_ROWS)/1000000,2) AS MAR

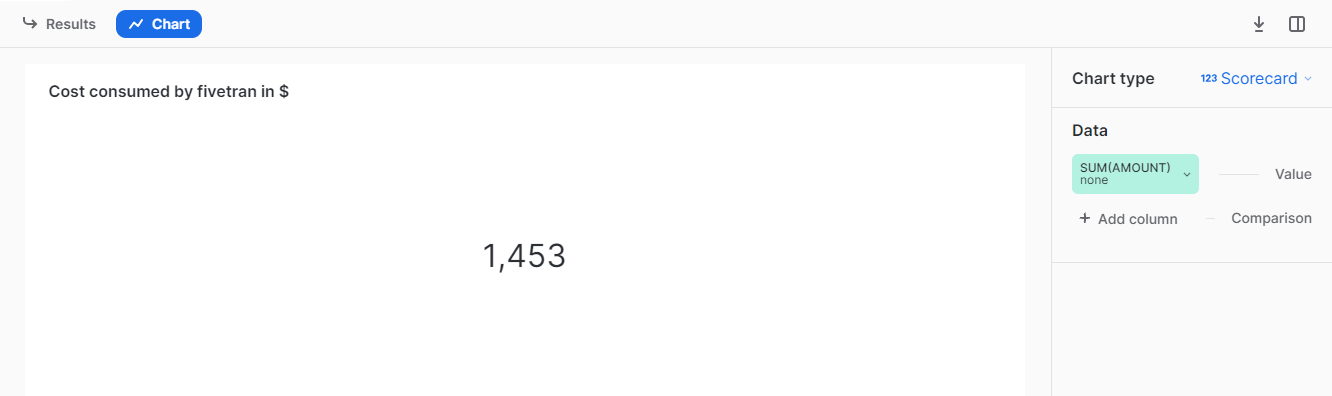
from "FIVETRAN"."FIVETRAN\_LOG"."INCREMENTAL\_MAR" WHERE MEASURED\_DATE=:daterange;



**3.4 Cost consumed by fivetran in $**

select sum(amount)

from FIVETRAN.FIVETRAN\_LOG.USAGE\_COST where measured\_month=:daterange;



**3.5 Top 5 destinations with high cost consumption**

select TOP 5 destination\_id,measured\_month,amount

from FIVETRAN.FIVETRAN\_LOG.USAGE\_COST

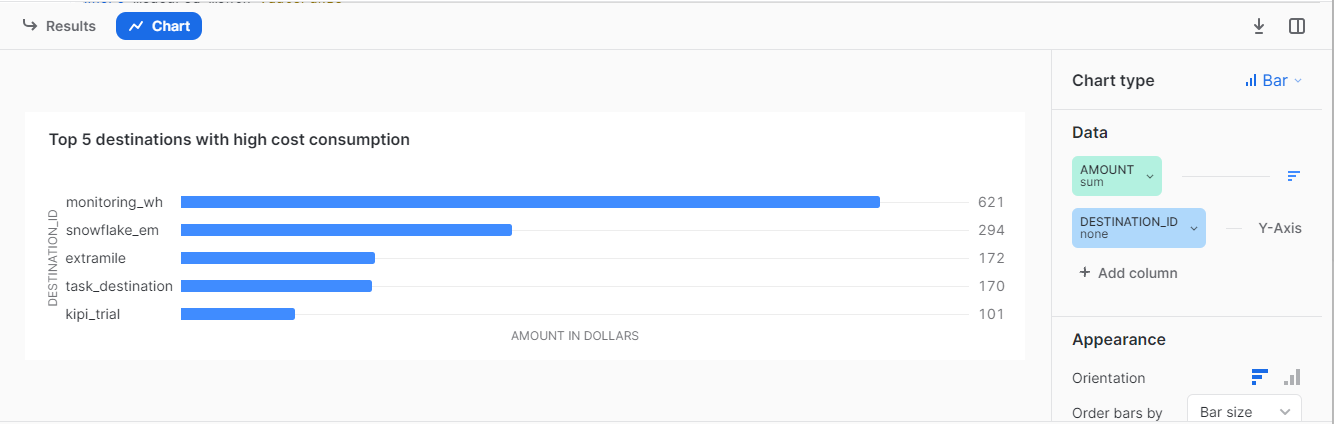
where measured\_month=:daterange;

order by amount desc;

SELECT DESTINATION\_ID , (AMOUNT) FROM FIVETRAN.FIVETRAN\_LOG.USAGE\_COST

where measured\_month=:daterange

order by amount desc;



**3.6 Calculated MAR for each connector id**

select schema\_name,

destination\_id,

date\_trunc('month', measured\_date) as measured\_month,

sum(incremental\_rows) as MAR

from incremental\_mar

where measured\_date=:daterange

group by schema\_name, destination\_id, measured\_month

order by measured\_month, schema\_name ;



**3.7 TOP 5 SCHEMA WITH HIGHEST MAR**

select schema\_name,

destination\_id,

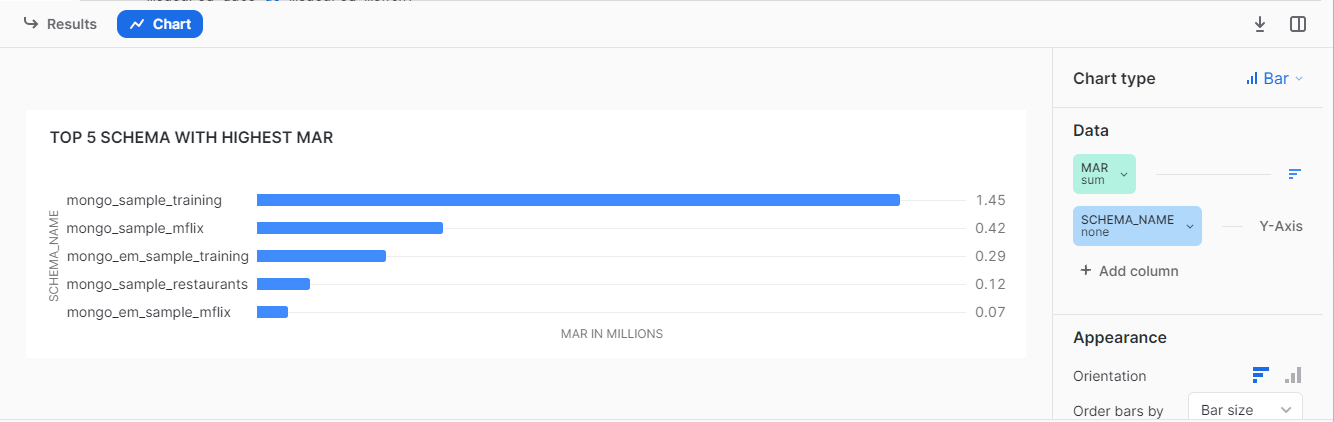
measured\_date as measured\_month,

ROUND(sum(incremental\_rows)/1000000,2) as MAR

from incremental\_mar WHERE MEASURED\_DATE=:daterange

group by schema\_name, destination\_id, measured\_month

order by MAR desc; schema\_name;



**3.8 Top 5 Schemas With No Of Records Modified Since Last Sync**

WITH parse\_json AS (

SELECT

time\_stamp,

PARSE\_JSON(message\_data) AS message\_data,

message\_event,

MAX(CASE WHEN message\_event = 'sync\_end' THEN time\_stamp ELSE NULL END) OVER(PARTITION BY connector\_id) AS last\_sync\_completed\_at

FROM fivetran\_log.log

WHERE message\_event = 'records\_modified'

OR message\_event = 'sync\_end'

)

select

trim( message\_data:schema ,'"')as connector\_schema,

MAX(time\_stamp) AS last\_records\_modified\_at,

SUM(CASE WHEN time\_stamp > last\_sync\_completed\_at OR last\_sync\_completed\_at IS NULL THEN message\_data:count::integer ELSE 0 END) AS row\_volume\_since\_last\_sync

FROM parse\_json

WHERE message\_event = 'records\_modified'

GROUP BY connector\_schema

ORDER BY row\_volume\_since\_last\_sync DESC

;

