# **DBT JOBS - PERFORMANCE MONITORING**

Monitoring DBT job performance through Snowsight dashboards provides valuable insights into the efficiency and effectiveness of your data transformation processes. With Snowsight, you can track and analyze key performance metrics in real-time. You can easily identify bottlenecks, inefficiencies, or resource-intensive processes that may impact overall job performance. By leveraging Snowsight's data visualization capabilities, you can create customized metrics and visualizations specific to DBT job performance. This enables you to track trends, compare performance across different time periods or job types, and identify areas for improvement. Snowsight dashboards can be shared with stakeholders, promoting collaboration and facilitating a shared understanding of job performance.

Below KPIs on DBT job performance enables teams to work together to identify and address performance bottlenecks, resulting in improved data transformation processes.

## Total Job count :

select count(\*) from jobs\_list\_atm;

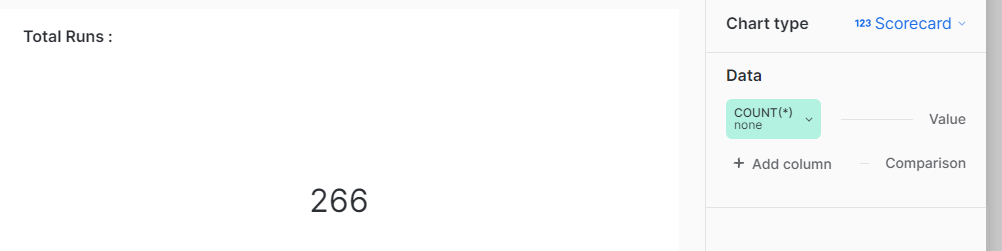
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## Total Runs :

select count(\*) from runs\_list\_atm;

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## Job Schedule Status :

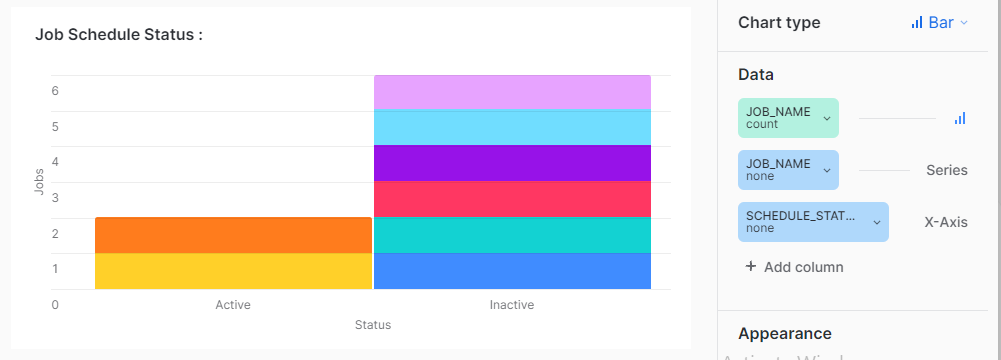
select job\_name, CASE

WHEN job\_schedule=True THEN 'Active'

WHEN job\_schedule=False THEN 'Inactive'

END AS schedule\_status from jobs\_list\_atm group by schedule\_status, job\_name;

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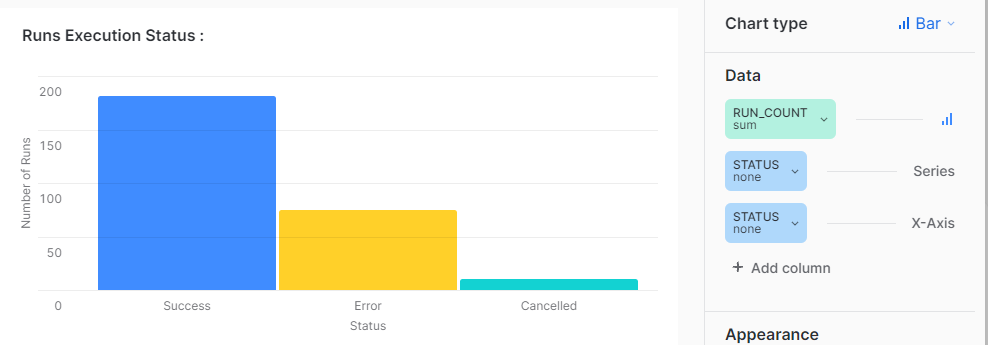
## Runs Execution Status :

SELECT status, COUNT(\*) AS run\_count

FROM runs\_list\_atm

GROUP BY status;

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## Run Duration Trend :

SELECT run\_id, started\_at,

EXTRACT(HOUR FROM run\_duration) \* 3600

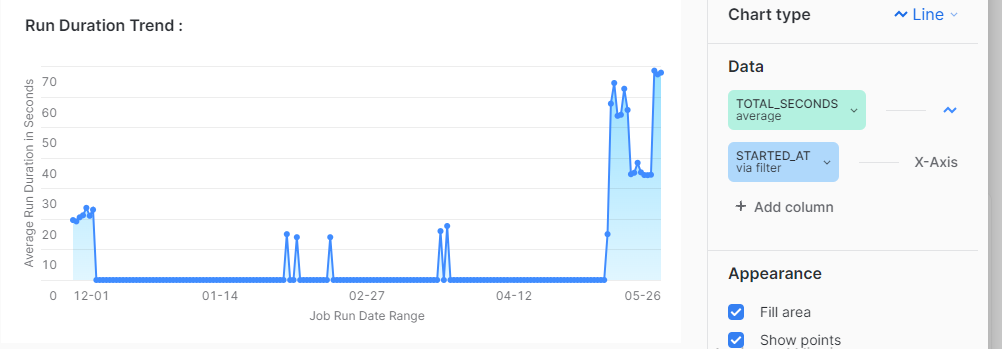
+ EXTRACT(MINUTE FROM run\_duration) \* 60

+ EXTRACT(SECOND FROM run\_duration) AS total\_seconds

FROM runs\_list

where status= 'Success'

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## Queue duration per Job :

SELECT job\_name, status, round(AVG(

EXTRACT(HOUR FROM queued\_duration) \* 60 -- Number of seconds in an hour

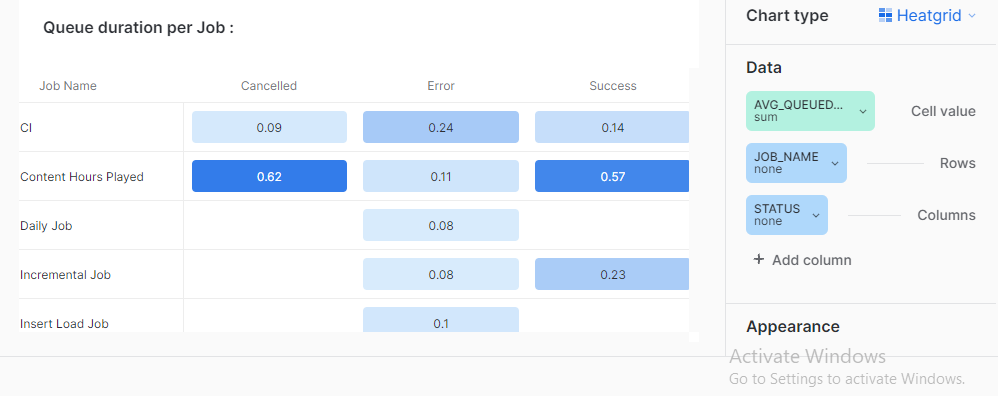
+ EXTRACT(MINUTE FROM queued\_duration) \* 1-- Number of seconds in a minute

+ EXTRACT(SECOND FROM queued\_duration) / 60 ),2) AS avg\_queued\_duration

FROM runs\_list\_atm r join jobs\_list\_atm j on r.job\_id = j.job\_id

GROUP BY job\_name, status order by avg\_queued\_duration desc,job\_name desc;

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## Run Duration of top 7 Unsuccessful Runs:

SELECT run\_id, status, job\_id, 20 as timeout\_limit,

EXTRACT(HOUR FROM run\_duration) \* 60 -- Number of seconds in an hour

+ EXTRACT(MINUTE FROM run\_duration) \* 1-- Number of seconds in a minute

+ EXTRACT(SECOND FROM run\_duration) / 60 AS total\_run\_duration

,(case when total\_run\_duration<20 then 'RUN DURATION'

else 'TIMEOUT LIMIT REACHED' end )as category

FROM runs\_list\_atm

ORDER BY run\_duration DESC

LIMIT 7;

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