

# DABW Project Submission

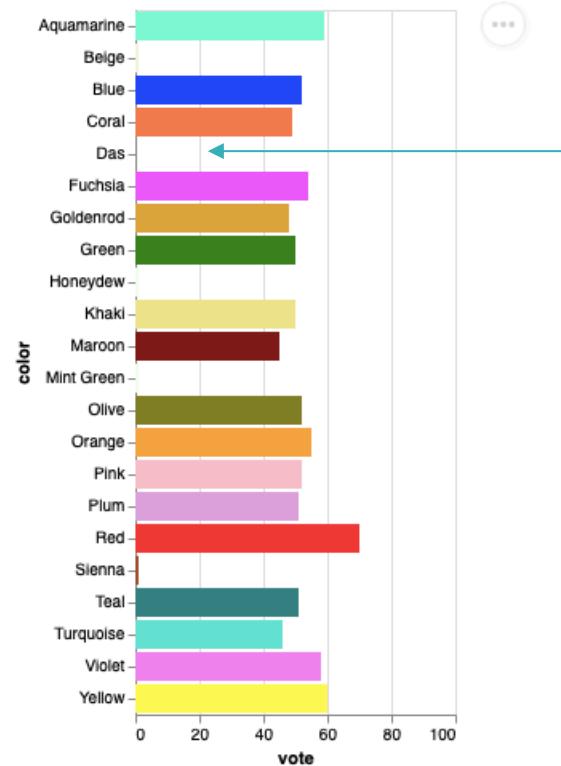
**Soumak Das**

[soumakdas@outlook.com](mailto:soumakdas@outlook.com)

31-Jan-2021



# Soumak's Favorite Colors



[Return to Homepage](#)

tech94enthu.us.cumulocity.com

Naukri Facebook LinkedIn YouTube Twitter Snowflake AWS Console OneDrive AWS Academy Hacker Rank Udemy DAAD - Internship Programmes Folkstalk HireRight Stepik

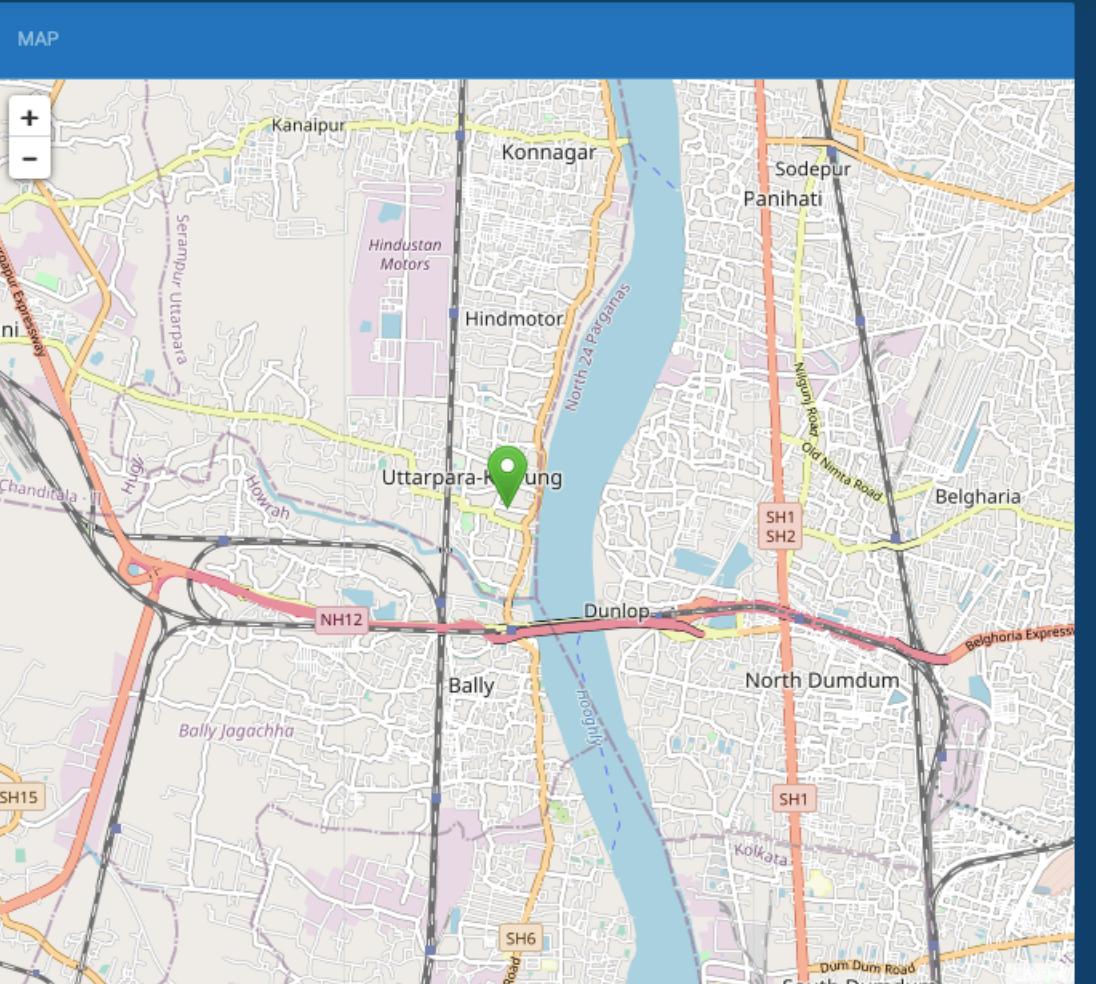
Start your a... Home / Cum... webMethod... my\_snowfla... get\_update... ps-to-avro... ps-to-avro... Worksheet... C Program t... Online C Co...

Home

Add widget Edit Full screen More...

### RECENT ALARMS

- The Phone is spinning OMG!**  
⌚ 31 January 2021 10:57 ⇔ SM-G615F
- The Phone is spinning OMG!**  
⌚ 31 January 2021 10:51 ⇔ SM-G615F
- The Phone is spinning OMG!**  
⌚ 31 January 2021 10:27 ⇔ SM-G615F
- The Phone is spinning OMG!**  
⌚ 31 January 2021 09:18 ⇔ SM-G615F





Send phone spin Alarms to PubSub ▾

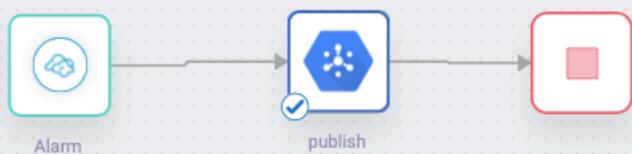
SD



On



Save



CONNECTORS



### Execution History

Start Time	Status	Actions
30/01/2021 09:40:15 PM PST	Success	<button>Export</button>
30/01/2021 09:40:13 PM PST	Success	<button>Export</button>
30/01/2021 09:40:03 PM PST	Success	<button>Export</button>
30/01/2021 09:40:01 PM PST	Success	<button>Export</button>
30/01/2021 09:39:35 PM PST	Success	<button>Export</button>
30/01/2021 09:39:33 PM PST	Success	<button>Export</button>
30/01/2021 09:37:35 PM PST	Success	<button>Export</button>

console.cloud.google.com

Naukri Facebook LinkedIn YouTube Twitter Snowflake AWS Console OneDrive AWS Academy Hacker Rank Udemy DAAD - Inter...l Programmes Folkstalk HireRight Stepik

Start your adventure to... Data explorer / Cumuloc... webMethods.io Integrat... iot\_data – Pub/Sub – M... ps-to-avro-iot-data – J... my\_snowfla...\_lab\_bckt... Worksheet - GCP Buck...

Free trial status: ₹21,834.63 credit and 89 days remaining - with a full account, you'll get unlimited access to all of Google Cloud Platform.

DISMISS ACTIVATE

Google Cloud Platform My First Project Search products and resources

Pub/Sub iot\_data + PUBLISH MESSAGE + VIEW MESSAGES + TRIGGER CLOUD FUNCTION IMPORT DELETE HIDE INFO PANEL

Topics Subscriptions Snapshots Lite Topics Lite Subscriptions

1 hour 6 hours 1 day 7 days 30 days RESET ZOOM

Publish message request count Requests/sec

10:15 10:20 10:25 10:30 10:35 10:40 10:45 10:50 10:55 11 AM Jan 31, 2021 10:58 AM send\_request\_count success 0

Operations/sec

10:15 10:20 10:25 10:30 10:35 10:40 10:45 10:50 10:55 11 AM 11:05 11:10

Encryption key Google-managed Labels

iot\_data

PERMISSIONS LABELS STORAGE POLICY A

Edit or delete permissions below or "Add Member" to grant new + ADD MEMBER

Show inherited permissions

Filter tree

Role / Member Inheritance

Cloud Dataflow Service Agent (1)

Editor (2)

Owner (1)

console.cloud.google.com

Start your adve... Home / Cumul... webMethods.i... iot\_files\_update... ps-to-avro-iot-... my\_snowflake...\_l... Worksheet - P... PIPE\_USAGE... Cool Color Cha...

Free trial status: ₹21,834.63 credit and 89 days remaining - with a full account, you'll get unlimited access to all of Google Cloud Platform.

DISMISS ACTIVATE

Google Cloud Platform My First Project Search products and resources

Dataflow Job info

**JOBS**

**Snapshots**

**Notebooks**

**JOB GRAPH** JOB METRICS

CLONE STOP LOGS SHARE MAX TIME

Read PubSub Events  
Running  
0 sec  
1 stage

Map to Archive  
0 elements/s  
0 sec  
1 stage

5m Window  
0 elements/s  
0 sec  
1 stage

Write File(s)  
0 elements/s  
1 sec  
5 stages

Job name ps-to-avro-iot-data  
Job ID 2021-01-30\_21\_30\_35-11426561337993640358  
Job type Streaming  
Job status Running  
SDK version Apache Beam SDK for Java 2.25.0  
Job region us-central1  
Worker location us-central1-f  
Current workers 1  
Latest worker status Worker pool started.  
Start time January 31, 2021 at 11:00:37 AM GMT+5  
Elapsed time 38 min 46 sec  
Encryption type Google-managed key

Resource metrics

Current vCPUs 4  
Total vCPU time 0.833 vCPU hr  
Current memory 15 GB  
Total memory time 3.125 GB hr  
Current HDD PD 1.2 TB  
Total HDD PD time 256.255 GB hr

Logs

console.cloud.google.com

Naukri Facebook LinkedIn YouTube Twitter Snowflake AWS Console OneDrive AWS Academy Hacker Rank Udemy DAAD - Inter...l Programmes Folkstalk HireRight Stepik

Start your adventure to... Data explorer / Cumuloc... webMethods.io Integrat... iot\_data – Pub/Sub – M... ps-to-avro-iot-data – J... my\_snowflake\_hanson\_lab\_bckt... Worksheet - GCP Buck...

Free trial status: ₹21,834.63 credit and 89 days remaining - with a full account, you'll get unlimited access to all of Google Cloud Platform. DISMISS ACTIVATE

### Google Cloud Platform My First Project

Search products and resources

Storage Browser Monitoring Settings

#### Bucket details

### my\_snowflake\_handson\_lab\_bckt

OBJECTS CONFIGURATION PERMISSIONS RETENTION LIFECYCLE

Buckets > my\_snowflake\_handson\_lab\_bckt > iot\_files

UPLOAD FILES UPLOAD FOLDER CREATE FOLDER MANAGE HOLDS DOWNLOAD DELETE

Filter by name prefix only Filter objects and folders

Name	Size	Type	Created time	Storage class	Last modified
iot_files_sample_output.	917 B	application/octet-stream	Jan 30, 2021, 9...	Standard	Jan 30, 20...
output2021-01-30T08:5!	689 B	application/octet-stream	Jan 30, 2021, 2...	Standard	Jan 30, 20...
output2021-01-30T09:0!	1,000 B	application/octet-stream	Jan 30, 2021, 2...	Standard	Jan 30, 20...
output2021-01-30T09:0!	994 B	application/octet-stream	Jan 30, 2021, 2...	Standard	Jan 30, 20...
output2021-01-30T09:1!	1,006 B	application/octet-stream	Jan 30, 2021, 2...	Standard	Jan 30, 20...
output2021-01-31T03:3!	375 B	application/octet-stream	Jan 31, 2021, 9...	Standard	Jan 31, 20...
output2021-01-31T03:4!	375 B	application/octet-stream	Jan 31, 2021, 9...	Standard	Jan 31, 20...
output2021-01-31T05:3!	446 B	application/octet-stream	Jan 31, 2021, 1...	Standard	Jan 31, 20...
temp/	–	Folder	–	–	–

LEARN Home Recommended for you Control access to data Learn how to manage and maintain data access and prevent unintended exposure. Access control Make data public Set up your objects to be publicly readable by anyone on the internet with the link. Access control Manage object lifecycles Save costs by setting rules to move objects to cooler Cloud Storage classes over time. Tutorials You might also like Tutorials Walkthroughs and guides Concepts Deep dive explanations API & references API and command-line resources Access control Permissions and privacy tools

Not seeing what you need? Give feedback

console.cloud.google.com

Naukri Facebook LinkedIn YouTube Twitter Snowflake AWS Console OneDrive AWS Academy Hacker Rank Udemy DAAD - Internships Folkstalk HireRight Stepik

Start your adve... Home / Cumul... webMethods.i... iot\_files\_updat... ps-to-avro-iot... my\_snowflake...\_l... Worksheet - P... PIPE\_USAGE... 1 Cool Color Cha...

Free trial status: ₹21,834.63 credit and 89 days remaining - with a full account, you'll get unlimited access to all of Google Cloud Platform. DISMISS ACTIVATE

Google Cloud Platform My First Project Search products and resources

Pub/Sub iot\_files\_updated + PUBLISH MESSAGE + VIEW MESSAGES + TRIGGER CLOUD FUNCTION IMPORT HIDE INFO PANEL

Topics Subscriptions Snapshots Lite Topics Lite Subscriptions

1 hour 6 hours 1 day 7 days 30 days RESET ZOOM

Publish message request count Requests/sec

0.07  
0.06  
0.05  
0.04  
0.03

10:45 10:50 10:55 11 AM 11:05 11:10 11:15 11:20 11:25 11:30 11:35

Publish message operation count Operations/sec

0.08  
0.06  
0.04  
0.02  
0

10:45 10:50 10:55 11 AM 11:05 11:10 11:15 11:20 11:25 11:30 11:35

Encryption key Google-managed Labels -

iot\_files\_updated

PERMISSIONS LABELS STORAGE POLICIES

Edit or delete permissions below or "Add Member" to grant new

+ ADD MEMBER

Show inherited permissions

Filter tree

Role / Member Inheritance

- Cloud Dataflow Service Agent (1)
- Editor (2)
- Owner (1)
- Pub/Sub Publisher (1)
- Pub/Sub Viewer (1)



X

Enjoy your free trial! Visit our documentation to learn more about using Snowflake or contact our support team with any questions.

SOUAK  
ACCOUNTADMIN

## Account

Usage

Billing

Users

Roles

Policies

Sessions

Resource Monitors

Reader Accounts

UR36139 - Usage

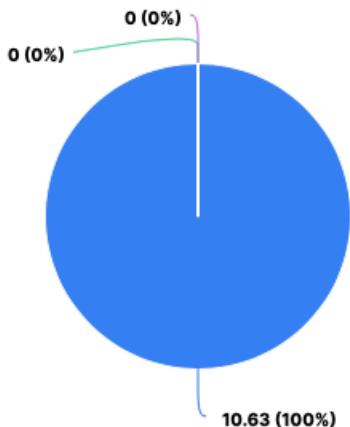
January 2021 (local) ▾

Warehouses Credits Used  
**3 10.63**Average Storage Used  
**0.705 KB**Data Transfer  
**0 B**

Usage by Day - All Warehouses

Download

Warehouse Name	Credits Used
SNOWPIPE	0.00
COMPUTE_WH	10.63
CLOUD_SERVICES_ONLY	0.00



Date	Credits Used
Jan 18	0
Jan 19	0
Jan 20	0
Jan 21	0
Jan 22	0
Jan 23	0
Jan 24	0
Jan 25	0
Jan 26	0
Jan 27	0
Jan 28	0
Jan 29	0.00
Jan 30	4.49
Jan 31	6.15

ur36139.us-central1.gcp.snowflakecomputing.com

Naukri Facebook LinkedIn YouTube Twitter Snowflake AWS Console OneDrive AWS Academy Hacker Rank Udemy DAAD - Inter...l Programmes Folkstalk HireRight Stepik

Start your adve... Home / Cumul... webMethods.i... iot\_files\_update... ps-to-avro-iot... my\_snowfla...\_l... Worksheet - S... PIPE\_USAGE\_... Cool Color Cha...

Enjoy your free trial! Visit our documentation to learn more about using Snowflake or contact our support team with any questions.

Databases Shares Data Marketplace Warehouses Worksheets History Account Preview App Partner Connect Help Notifications SOUMAK ACCOUNTADMIN

New Worksheet GCP Bucket and Stage Python Web App Snowpipe Usage

Find database objects Starting with... Run All Queries Saved 0 seconds ago ACCOUNTADMIN COMPUTE\_WH (M) DEMO\_DB PUBLIC

DEMO\_DB INFORMATION\_SCHEMA PUBLIC Tables COLORS IOT\_AVRO\_DATA SIMULATED\_TEMPS YEAR\_DAYS No Views in this Schema SNOWFLAKE SNOWFLAKE\_SAMPLE\_DATA UTIL\_DB

COLORS Preview Data

1,000 rows 3.0 KB Cluster by -

Columns Data Type COLOR\_UID NUMBER(38,0) COLOR\_NAME VARCHAR(16777216)

Results Data Preview Open History

Query ID SQL 35ms 1 rows

Filter result... Copy Columns

Row	SYSTEM\$PIPE_STATUS('MYSNOWPIPE')
1	{"executionState": "RUNNING", "pendingFileCount": 0, "notificationChannelName": "projects/snappy-axle-303303/subscriptions/get_updated_file_info", "numOutstandingMessagesOnChann..."}



Enjoy your free trial! Visit our documentation to learn more about using Snowflake or contact our support team with any questions.

SOUAK  
ACCOUNTADMIN

New Worksheet

✓ GCP Bucket and Stage

Python Web App

✓ New Worksheet



Find database objects



Run All Queries Saved 47 minutes ago

ACCOUNTADMIN COMPUTE\_WH (M) DEMO\_DB PUBLIC ...

Starting with...

DEMO\_DB

INFORMATION\_SCHEMA

PUBLIC

Tables

COLORS

IOT\_AVRO\_DATA

SIMULATED\_TEMPS

YEAR\_DAYS

No Views in this Schema

SNOWFLAKE

SNOWFLAKE\_SAMPLE\_DATA

UTIL\_DB

```
17 select * from IOT_AVRO_DATA;
18
19 CREATE TABLE YEAR_DAYS("DATE" DATE, "DAYOFWEEK" VARCHAR (9));
20
21
22 copy into YEAR_DAYS @GOOGLE_BUCKET
23
24
25 select * from
26
27 create table IOT_AVRO_DATA
28 (myColumn varchar(100));
29
30 copy into IOT_AVRO_DATA @GOOGLE_BUCKET
31 file_format =
32
33
34
35 SELECT mycolumn
36 mycolumn:times
37 to_timestamp(L
38 as ReadableTim...
```

## Details

```
1 {
2   "attributes": {
3     "Alarm_message": "The Phone is spinning OMG!"
4   },
5   "message": "",
6   "timestamp": 1612071421112
7 }
```

Done

Results Data Preview

Query ID

SQL

985ms

221 rows

Filter result...



Copy

Open History

Columns ▾

Row MYCOLUMN

1 { "attributes": { "Alarm\_message": "The Phone is spinning OMG!" }, "message": "", "timestamp": 1612071421112 }

2 { "attributes": { "Alarm\_message": "The Phone is spinning OMG!" }, "message": "", "timestamp": 1612071422645 }

3 { "attributes": { "Alarm\_message": "The Phone is spinning OMG!" }, "message": "", "timestamp": 1612071442747 }

4 { "attributes": { "Alarm\_message": "The Phone is spinning OMG!" }, "message": "", "timestamp": 1612071444752 }