



Univerzitet u Zenici

Politehnički fakultet

Odsjek SOFTVERSKO INŽENJERSTVO

Zadaća 10

POSLOVNA INTELIGENCIJA

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Zenica, akademska 2024/2025 godina

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1. Izrada zadatka

1.1 Zadatak 1

1.1.1 Obrazloženje

U zadatku br. 1 je prikazan najviši broj vožnji biciklom između dvije stanice(ulice) sa biciklima.

1.1.2 Screenshot upita i rezultata

Untitled queryNew York... ns?

SAVE QUERY (CLASSIC)SHARESCHEDULEOPEN INMORE

Query completed.

MIGRATION TOOLDISMISS

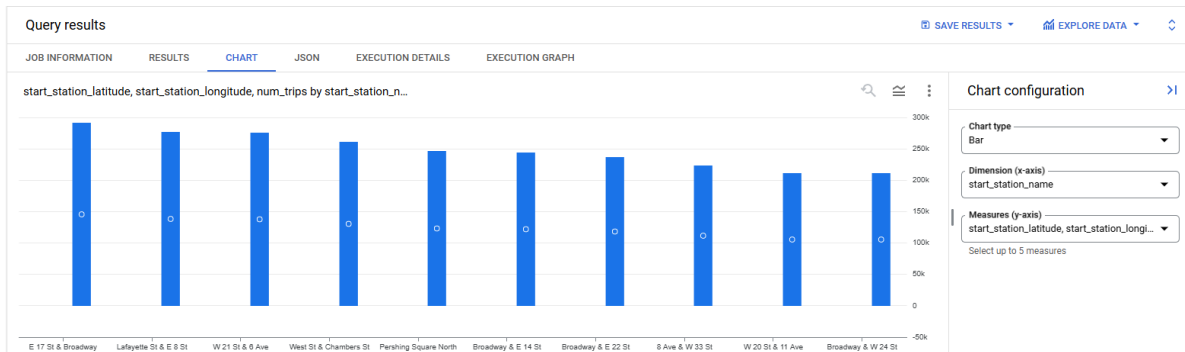
```
1 SELECT
2   start_station_name,
3   start_station_latitude,
4   start_station_longitude,
5   COUNT(*) AS num_trips
6 FROM
7   `bigquery-public-data.new_york.citibike_trips`
8 GROUP BY
9   1,
10  2,
11  3
12 ORDER BY
13   num_trips DESC
14 LIMIT
15   10
```

Query results

JOB INFORMATIONRESULTSCHARTJSONEXECUTION DETAILSEXECUTION GRAPH

Row	start_station_name	start_station_latitude	start_station_longitude	num_trips
1	E 17 St & Broadway	40.73704984	-73.99009296	291615
2	Lafayette St & E 8 St	40.73028666	-73.9907647	277060
3	W 21 St & 6 Ave	40.74173969	-73.99415556	275348
4	West St & Chambers St	40.71754834	-74.01322069	260911
5	Pershing Square North	40.751873	-73.977706	246181
6	Broadway & E 14 St	40.73454567	-73.99074142	244420
7	Broadway & E 22 St	40.7403432	-73.98955109	237394
8	8 Ave & W 33 St	40.751551	-73.993934	223970
9	W 20 St & 11 Ave	40.746745	-74.007756	211840
10	Broadway & W 24 St	40.7423543	-73.98915076	211713

1.1.3 Screenshot vizualizacije rezultata upita



1.2 Zadatak 2

1.2.1 Obrazloženje

U zadatku br. 2 je prikazano koji dan u godini je bio najtopliji u saveznm državama u Sjedinjenim Američkim Državama. Također pokazuje i tačnu lokaciju gdje je ta temperatura izmjerena.

1.2.2 Screenshot upita

```

1 #standardSQL
2 SELECT
3   max,
4   (max-32)*5/9 celsius,
5   mo,
6   da,
7   state,
8   stn,
9   name
10 FROM (
11   SELECT
12     max,
13     mo,
14     da,
15     state,
16     stn,
17     name,
18     ROW_NUMBER() OVER(PARTITION BY state ORDER BY max DESC) rn
19   FROM
20     `bigquery-public-data.noaa_gsod.gsod2015` a
21   JOIN
22     `bigquery-public-data.noaa_gsod.stations` b
23   ON
24     a.stn=b.usaf
25     AND a.wban=b.wban
26   WHERE
27     state IS NOT NULL
28     AND max<1000
29     AND country='US' )
30 WHERE
31   rn=1
32 ORDER BY
33   max DESC
34 LIMIT
35   10

```

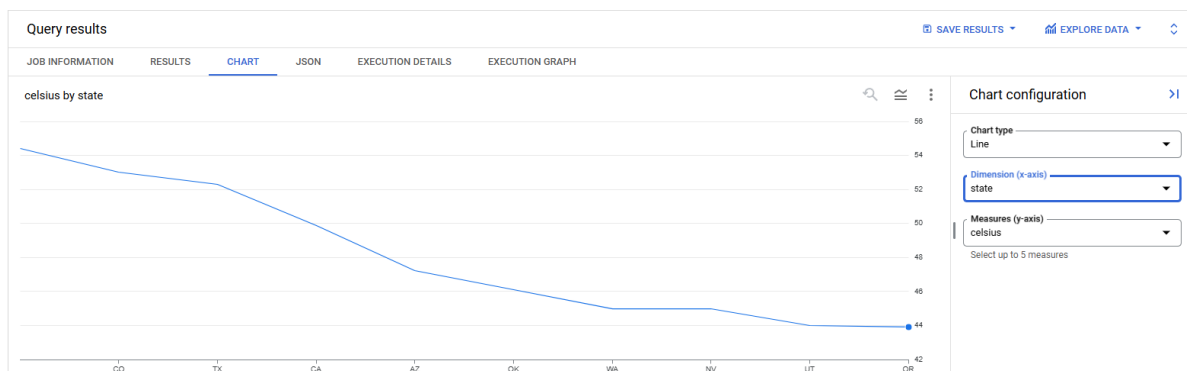
Query completed.

Izrada zadatka

1.2.3 Screenshot rezultata

Query results								
JOB INFORMATION RESULTS CHART JSON EXECUTION DETAILS EXECUTION GRAPH								
Row	max	celsius	mo	da	state	str	name	
1	129.9	54.388888888888...	06	29	AK	703605	PLATINUM AIRPORT	
2	127.4	53.0	05	17	CO	740002	LA VETA PASS AIWOS-3 ARPT	
3	126.1	52.277777777777...	07	22	TX	720647	LAMPASAS AIRPORT	
4	121.8	49.888888888888...	06	21	CA	999999	STOVEPIPE WELLS 1 SW	
5	117.0	47.222222222222...	08	15	AZ	722780	PHOENIX SKY HARBOR INTL A.	
6	115.0	46.111111111111...	07	17	OK	723525	HOBART MUNICIPAL AIRPORT	
7	113.0	45.0	06	28	WA	727846	WALLA WALLA REGIONAL ARPT	
8	113.0	45.0	06	20	NV	723860	MCCARRAN INTERNATIONAL ...	
9	111.2	44.0	06	26	UT	724754	ST GEORGE MUNICIPAL ARPT	
10	111.0	43.888888888888...	06	28	OR	726883	HERMISTON MUNICIPAL ARPT	

1.2.4 Screenshot vizualizacije rezultata upita



1.3 Zadatak 3

1.3.1 Obrazloženje

U zadatku br. 3 je prikazano koje mjesto je imalo najviše sniježnih dana odnosno dana kada je padao snijeg.

Izrada zadatka

1.3.2 Screenshot upita

```
Q noaa_gsod: Which stations r...16? [RUN] [SAVE QUERY (CLASSIC)] [SHARE] [SCHEDULE] [OPEN IN] [MORE] Query completed

1 #standardSQL
2 SELECT
3   c AS days,
4   name,
5   country
6 FROM (
7   SELECT
8     stn,
9     wban,
10    COUNT(*) c
11  FROM
12    `bigquery-public-data.noaa_gsod.gsod2016`
13  WHERE
14    snow_ice_pellets='1'
15  GROUP BY
16    1,
17    2
18  ORDER BY
19    c DESC
20  LIMIT
21    20 ) a
22 LEFT JOIN
23   `bigquery-public-data.noaa_gsod.stations` b
24 ON
25   a.stn=b.usaf
26  AND a.wban=b.wban
27 WHERE
28   name IS NOT NULL
29 LIMIT
30   10
```

1.3.3 Screenshot rezultata

Query results [SAVE RESULTS] [EXPLORE DATA]

JOB INFORMATION		RESULTS	CHART	JSON	EXECUTION DETAILS	EXECUTION GRAPH
Row	days	name	country			
1	264	BASE ORCADAS	AR			
2	254	CAPE DORSET A	CA			
3	246	GJOA HAVEN	CA			
4	232	VERNADSKY	AY			
5	221	HALL BEACH	CA			
6	219	RESOLUTE BAY	CA			
7	218	PUVIRNITUQ	CA			
8	212	CLYDE RIVER	CA			
9	207	OSTROV VIZE	RS			
10	206	INUKJUAK ARPT	CA			

1.3.4 Screenshot vizualizacije rezultata upita

