

COVID DATA

ORACLE
PRESENTATION

Purpose of the project

Known as COVID19, this disease occurs in China and has spread to many countries around the world.

The aim of this project is to analyze the data of this disease.

Data generation is based on January 6, 2021.

CASES_BY_COUNTRIES

123 ID

123 COUNTRY_ID
 1 DATE_
 123 TOTAL_CASES
 123 NEW_CASES
 123 NEW_CASES_SMOOTHED
 123 TOTAL_DEATHS
 123 NEW_DEATHS
 123 NEW_DEATHS_SMOOTHED
 123 TOTAL_CASES_PER_MILLION
 123 NEW_CASES_PER_MILLION
 123 NEW_CASES_SMOOTHED_PER_MILLION
 123 TOTAL_DEATHS_PER_MILLION
 123 NEW_DEATHS_PER_MILLION
 123 NEW_DEATHS_SMOOTHED_PER_MILLION
 123 REPRODUCTION_RATE
 123 ICU_PATIENTS
 123 ICU_PATIENTS_PER_MILLION
 123 HOSP_PATIENTS
 123 HOSP_PATIENTS_PER_MILLION
 123 WEEKLY_ICU_ADMISSES
 123 WEEKLY_ICU_ADMISSES_PER_MILLION
 123 WEEKLY_HOSP_ADMISSES
 123 WEEKLY_HOSP_ADMISSES_PER_MILLION
 123 NEW_TESTS
 123 TOTAL_TESTS
 123 TOTAL_TESTS_PER_THOUSAND

123 NEW_TESTS_PER_THOUSAND
 123 NEW_TESTS_SMOOTHED
 123 NEW_TESTS_SMOOTHED_PER_THOUSAND
 123 POSITIVE_RATE
 123 TESTS_PER_CASE
 ABC TESTS_UNITS
 123 TOTAL_VACCINATIONS
 123 NEW_VACCINATIONS
 123 TOTAL_VACCINATIONS_PER_HUNDRED
 123 NEW_VACCINATIONS_PER_MILLION
 123 STRINGENCY_INDEX
 123 POPULATION_
 123 POPULATION_DENSITY
 123 MEDIAN_AGE
 123 AGED_65_OLDER
 123 AGED_70_OLDER
 123 GDP_PER_CAPITA
 123 EXTREME_POVERTY
 123 CARDIOVASC_DEATH_RATE
 123 DIABETES_PREVALENCE
 123 FEMALE_SMOKERS
 123 MALE_SMOKERS
 123 HANDWASHING_FACILITIES
 123 HOSPITAL_BEDS_PER_THOUSAND
 123 LIFE_EXPECTANCY
 123 HUMAN DEVELOPMENT INDEX

COUNTRY
123 COUNTRYID
123 CONTINENTID
ABC COUNTRYCODE
ABC COUNTRYNAME

STATE_
123 ID
123 COUNTRYID
ABC STATECODE
ABC STATENAME
ABC AREA
ABC POPULATION
ABC CAPITAL

STATECASES1

123 STATECASESID
 1 DATE_
 ABC STATECODE
 123 POSITIVE_
 123 NEGATIVE
 123 TOTALRESULTS
 123 HOSPITALIZED_CURRENTLY
 123 INICU_CURRENTLY
 123 ONVENTILATOR_CUMULATIVE
 123 RECOVERED
 ABC DATAQUALITYGRADE
 1 LASTUPDATEDET
 1 CHECKTIMEET
 1 DEATH
 123 HOSPITALIZED
 123 TOTALTESTVIRAL
 123 NEGATIVETESTSVIRAL
 123 POSITIVETESTSVIRAL
 123 POSITIVECASEVIRAL
 123 DEATHCONFIRMED
 123 DEATHINCREASE
 123 HOSPITALIZEDINCREASE
 ABC HASH_

Procedures

1.TOTAL DEATH OF USA STATE(ABD EYALETLERİNİN TOPLAM ÖLÜM SAYISI)

The screenshot shows the Oracle SQL Developer interface. In the top toolbar, there are various icons for navigating between tabs, running queries, and managing sessions. The status bar at the bottom indicates "0.061 seconds". The main workspace is titled "Worksheet" and contains the following PL/SQL code:

```
CREATE OR REPLACE PROCEDURE STATETOTALDEATH
AS
V_TOTALDEATH INTEGER:=0;
BEGIN
SELECT SUM(MAX(SC.DEATH)) INTO V_TOTALDEATH
FROM STATECASES SC
INNER JOIN STATE_S ON SC.STATECODE=S.STATECODE
GROUP BY SC.STATECODE;
DBMS_OUTPUT.PUT_LINE('US TOTALDEATH: ' || V_TOTALDEATH);
END;
```

Below the code, a message in the "Script Output" tab says "Task completed in 0.061 seconds". At the bottom of the window, it says "Procedure STATETOTALDEATH compiled".

The screenshot shows the Oracle SQL Developer interface with the "Query Builder" tab selected. In the main workspace, the command "EXEC STATETOTALDEATH;" is entered. Below the workspace, the "Script Output" tab displays the message "PL/SQL procedure successfully completed." and the "Dbms Output" tab shows the result "US TOTALDEATH: 349663". The status bar at the bottom indicates "Task completed in 0.038 seconds".

2.PARAMETERS

The screenshot shows the Oracle SQL Developer interface with a tab bar at the top containing icons for Worksheet, Query Builder, and other tools. The title bar says 'COVID'. The main area displays a PL/SQL procedure named 'FINDTOTAL'.

```
--Girilen TARİH VE ÜLKЕ KODUNA GÖRE TOPLAMVAKA, TOPLAMTEST, TOPLAMVEFAT, YENİVAKA, YENİVEFAT, YENİTEST SAYILARINI GETİRME
CREATE OR REPLACE PROCEDURE FINDTOTAL
(
P_DATE IN DATE,
P_COUNTRYCODE IN VARCHAR2,
P_TOTALCASES OUT INTEGER,
P_TOTALTESTS OUT INTEGER,
P_TOTALDEATHS OUT INTEGER,
P_NEWCASES OUT INTEGER,
P_NEWDEATHS OUT INTEGER,
P_NEWTTESTS OUT INTEGER
)
AS
BEGIN
SELECT CC.TOTAL_CASES, CC.TOTAL_TESTS, CC.TOTAL_DEATHS, CC.NEW_CASES, CC.NEW_DEATHS, CC.NEW_TESTS INTO
P_TOTALCASES, P_TOTALTESTS, P_TOTALDEATHS, P_NEWCASES, P_NEWDEATHS, P_NEWTTESTS
FROM COUNTRYCASES CC
INNER JOIN COUNTRY C ON C.COUNTRYID=CC.COUNTRY_ID
WHERE 1=1
AND C.COUNTRYCODE=P_COUNTRYCODE
AND CC.DATE_=P_DATE;
END;
```

Below the code editor, there is a 'Script Output' window showing the message 'Task completed in 0.112 seconds'.

At the bottom, a status bar displays the message 'Procedure FINDTOTAL compiled'.

2.A

The screenshot shows the Oracle SQL Developer interface. The title bar displays "COVID". The toolbar includes icons for Run, Stop, Refresh, and various SQL-related functions. The top menu bar has "Worksheet" and "Query Builder" tabs, with "Worksheet" selected. The main code area contains a PL/SQL block:

```
DECLARE
    V_DATE          DATE      := '06/01/2021';
    V_COUNTRYCODE  VARCHAR2(3) := 'TR';
    V_TOTALCASES    INTEGER;
    V_TOTALTESTS   INTEGER;
    V_TOTALDEATHS  INTEGER;
    V_NEWCASES     INTEGER;
    V_NEWDEATHS    INTEGER;
    V_NEWTTESTS    INTEGER;

BEGIN
    FINDTOTAL(V_DATE, V_COUNTRYCODE, V_TOTALCASES, V_TOTALTESTS, V_TOTALDEATHS, V_NEWCASES, V_NEWDEATHS, V_NEWTTESTS);
    DBMS_OUTPUT.PUT_LINE('CountryCode: ' || V_COUNTRYCODE);
    DBMS_OUTPUT.PUT_LINE('Date      : ' || V_DATE);
    DBMS_OUTPUT.PUT_LINE('TotalCases : ' || V_TOTALCASES);
    DBMS_OUTPUT.PUT_LINE('TotalTests  : ' || V_TOTALTESTS);
    DBMS_OUTPUT.PUT_LINE('TotalDeaths : ' || V_TOTALDEATHS);
    DBMS_OUTPUT.PUT_LINE('NewCases   : ' || V_NEWCASES);
    DBMS_OUTPUT.PUT_LINE('NewDeaths  : ' || V_NEWDEATHS);
    DBMS_OUTPUT.PUT_LINE('New Tests   : ' || V_NEWTTESTS);
END;
```

The code is successfully executed, as indicated by the message "Task completed in 0.042 seconds" in the script output window.

PL/SQL procedure successfully completed.

2.B

Dbms Output X

Buffer Size: 20000

COVID X

```
CountryCode: TR
Date      : 06/01/2021
TotalCases : 2283931
TotalTests  :
TotalDeaths : 22070
NewCases   : 13830
NewDeaths   : 191
NewTests    :
```

View

1. TOTAL NUMBER OF STATE-BASED TESTS

--EY ALET BAZLI TOPLAM TEST SAYILARI
CREATE OR REPLACE VIEW V_TOTALTEST
AS
SELECT SC.STATECODE, S.STATENAME, MAX(SC.TOTALTESTVIRAL) TOTAL_TEST
FROM STATECASES SC
INNER JOIN STATE_ S ON S.STATECODE=SC.STATECODE
GROUP BY SC.STATECODE, S.STATENAME
HAVING MAX(SC.TOTALTESTVIRAL) IS NOT NULL
ORDER BY 3 DESC;

Script Output Task completed in 0.132 seconds

View V_TOTALTEST created.

Worksheet Query Builder

SELECT * FROM V_TOTALTEST ;

Script Output Query Result All Rows Fetched: 42 in 0.024 seconds

	STATECODE	STATENAME	TOTAL_TEST
1	CA	Kaliforniya	34548621
2	FL	Florida	14598971
3	TX	Teksas	14370153
4	IL	Illinois	13698428
5	MA	Massachusetts	11308785
6	MI	Michigan	8456264
7	NJ	New Jersey	8060903
8	OH	Ohio	7908645
9	PA	Pensilvanya	7892184
10	NC	Kuzey Karolina	7191700
11	MD	Maryland	5932780
12	IN	Indiana	5894505
13	TN	Tennessee	5716342
14	GA	Georgia	5523221
15	AZ	Arizona	5374504

2.TURKEY COVID DATA

The screenshot shows the SQL Server Management Studio interface. In the top-left pane, there is a code editor window containing the following SQL script:

```
create view V_TURKEYCOVIDDATA
AS
select cn.continentname, cs.country_id, co.countryname, cs.new_tests, date_, new_deaths, cs.total_deaths, cs.new_cases, cs.total_cases
from countrycases cs
inner join country co on cs.country_id=co.countryid
inner join continent cn on cn.id=co.continentid
where cs.country_id=202
group by cn.continentname, cs.country_id, co.countryname, cs.new_tests, date_, new_deaths, cs.total_deaths, cs.new_cases, cs.total_cases
order by date_ desc;
```

In the bottom-left pane, there is a "Script Output" tab showing the message "Task completed in 0.134 seconds".

Below the code editor, a message "View V_TURKEYCOVIDDATA created." is displayed.

```
62 | SELECT * FROM V_TURKEYCOVIDDATA
63 |
```

The screenshot shows the SQL Server Management Studio interface with a "Query Result" tab open. The results of the query are displayed in a table:

	CONTINENTNAME	COUNTRY_ID	COUNTRYNAME	NEW_TESTS	DATE_	NEW_DEATHS	TOTAL_DEATHS	NEW_CASES	TOTAL_CASES
1	Asia	202	Turkey	(null)	06/01/2021	191	22070	13830	2283931
2	Asia	202	Turkey	183413	05/01/2021	194	21879	14494	2270101
3	Asia	202	Turkey	181323	04/01/2021	197	21685	13695	2255607
4	Asia	202	Turkey	138941	03/01/2021	193	21488	9877	2241912
5	Asia	202	Turkey	149218	02/01/2021	202	21295	11180	2232035
6	Asia	202	Turkey	158103	01/01/2021	212	21093	12203	2220855
7	Asia	202	Turkey	178217	31/12/2020	239	20881	14380	2208652
8	Asia	202	Turkey	184415	30/12/2020	254	20642	15692	2194272
9	Asia	202	Turkey	183117	29/12/2020	253	20388	15805	2178580
10	Asia	202	Turkey	180892	28/12/2020	257	20135	15197	2162775
11	Asia	202	Turkey	172113	27/12/2020	254	19878	14205	2147578



Queries

NORTH AMERICA CONTINENT, TOTAL NUMBER OF CASES BY STATE, INCLUDING COUNTRY INFORMATION (AMERİKA KİTASI, ÜLKE BİLGİLERİ DAHİL OLMAK ÜZERE EYALETE GÖRE TOPLAM VAKA SAYISI)

```
2 |SELECT CONT.CONTINENTNAME, CO.COUNTRYNAME, ST.STATENAME, MAX(SC.TOTALRESULTS) "TOTAL CASES"  
3 |FROM COVID.CONTINENT CONT  
4 |INNER JOIN COVID.COUNTRY CO ON  
5 |CO.CONTINENTID=CONT.ID  
6 |INNER JOIN COVID.STATE_ ST ON  
7 |ST.COUNTRYID=CO.COUNTRYID  
8 |INNER JOIN COVID.STATECASES1 SC ON  
9 |SC.STATECODE=ST.STATECODE  
10 |GROUP BY CONT.CONTINENTNAME, CO.COUNTRYNAME, ST.STATENAME
```

Query Result x | Query Result 1 x | Query Result 2 x

Fetched 50 rows in 0,037 seconds

	CONTINENTNAME	COUNTRYNAME	STATENAME	TOPLAM SON VAKA
1	North America	USA	Virginia	4428211
2	North America	USA	Missouri	3724603
3	North America	USA	Rhode Island	2079925
4	North America	USA	Delaware	1020329
5	North America	USA	Iowa	1185478
6	North America	USA	Oklahoma	2758923
7	North America	USA	Montana	817142
8	North America	USA	Arkansas	2117692
9	North America	USA	Wyoming	517839
10	North America	USA	Florida	16310438
11	North America	USA	Hawaii	836346
12	North America	USA	New Mexico	2032578
13	North America	USA	Idaho	552026
14	North America	USA	Arizona	5374504
15	North America	USA	Kaliforniya	34548621

2.COUNTRIES WITH THE MOST TESTS AND DATE (EN ÇOK TESTE SAHİP ÜLKELER)

```
select s.countryname,  
       MAX(s.total_tests) "TOTAL TESTS"  
  from (select row_number() over (order by a.total_tests desc) rn,  
          a.date_,  
          a.total_tests,  
          c.countryname  
     from COVID.CASES_BY_COUNTRIES a INNER JOIN COVID.COUNTRY c  
       on c.COUNTRYID = a.COUNTRY_ID where a.total_tests IS NOT NULL  
      ) s  
 GROUP BY s.countryname ORDER BY MAX (s.total_tests) DESC
```

Query Result x

SQL Fetched 50 rows in 0,056 seconds

	COUNTRYNAME	TOTAL TESTS
1	USA	247986030
2	India	177463405
3	China	160000000
4	Russia	92338414
5	UK	54302701
6	Germany	34801593
7	Italy	27139378
8	Turkey	25315565
9	Spain	22660315
10	UAE	21583656
11	Canada	14180625
12	Australia	11590672

NUMBER OF CASES AND NUMBER OF DEATHS ALONG WITH THE PEOPLE OF TURKEY (TÜRKİYE NUFUSU İLE BİRLİKTE VAKA SAYISI VE VEFAT SAYISI)

The screenshot shows a SQL query builder interface with two main panes. The top pane is titled 'Query Builder' and contains the following SQL code:

```
SELECT C.COUNTRYNAME COUNTRYNAME, CC.POPULATION_ POPULATION,  
       SUM(NEW_DEATHS) TOTALDEATHS, SUM(NEW_CASES) TOTALCASES, SUM(NEW_TESTS) TOTAL_TESTS  
  FROM COUNTRYCASES CC  
INNER JOIN COUNTRY C ON CC.COUNTRY_ID=C.COUNTRYID  
 WHERE C.COUNTRYID=202  
 GROUP BY C.COUNTRYNAME, CC.POPULATION_;
```

The bottom pane is titled 'Query Result' and displays the results of the executed query:

	COUNTRYNAME	POPULATION	TOTALDEATHS	TOTALCASES	TOTAL_TESTS
1	Turkey	84339067	22070	1460706	25275275

Details from the 'Query Result' pane:
- All Rows Fetched: 1 in 0.019 seconds
- The result shows data for Turkey only.

TÜRKİYE COVID-19 HASTA TABLOSU

6 OCAK 2021



BUGÜN	BU HAFTA	TOPLAM
TEST SAYISI	HASTALARDA ZATÜRRE ORANI	TEST SAYISI
182.645	%4,3	25.498.210
VAKA SAYISI	YATAK DOLULUK ORANI	VAKA SAYISI
13.830	%44,2	2.283.931
HASTA SAYISI	ERİŞKİN YOGUN BAKIM DOLULUK ORANI	VEFAT SAYISI
1.458	%61,7	22.070
VEFAT SAYISI	VENTİLATÖR DOLULUK ORANI	AĞIR HASTA SAYISI
191	%32,4	3.303
İYILEŞEN SAYISI	ORTALAMA TEMASLI TESPİT SÜRESİ	İYILEŞEN SAYISI
8.702	10 SAAT	2.164.040
FİLYASYON ORANI		
	%99,9	

STATES' TOTAL CASE AND POSITIVE RATES (EYALETLERİN TOPLAM VAKA VE POZİTİF ORANLARI)

```
82 SELECT S.STATENAME, SC.TOTALRESULTS, round( (POSITIVE_/TOTALRESULTS) , 2 ) "POZİTİF ORANI"  
83 FROM COVID.statecases1 sc  
84 INNER JOIN COVID.STATE_ S ON S.STATECODE=SC.STATECODE
```

Query Result x

SQL | Fetched 50 rows in 0,004 seconds

	STATENAME	TOTALRESULTS	POZİTİF ORANI
1	Arizona	5257472	0,11
2	Kaliforniya	33812786	0,07
3	Colorado	4502496	0,08
4	Connecticut	4383361	0,04
5	Delaware	996096	0,06
6	Florida	16020601	0,08
7	Georgia	5462241	0,11
8	Hawaii	825956	0,03
9	Iowa	1178096	0,21
10	Idaho	548008	0,26
11	Illinois	13482117	0,07

COUNTRIES WITH THE HIGHEST NUMBER OF DEATHS WITH CARDIO AND DIABETES (CARDİO VE DİABET HASTALIĞI OLAN EN FAZLA ÖLÜM OLAN ÜLKELER)

```
90 | SELECT COUNTRYNAME, CARDIOVASC_DEATH_RATE "KALP ÖLÜM ORANI",
91 | DIABETES_PREVALENCE "DIYABET SIKLIĞI",
92 | MAX(CB.TOTAL_DEATHS) "MAX DEATH" FROM COVID.CASES_BY_COUNTRIES CB
93 | INNER JOIN COVID.COUNTRY C ON C.COUNTRYID = CB.COUNTRY_ID
94 | WHERE TOTAL_DEATHS IS NOT NULL
95 | GROUP BY COUNTRYNAME,CARDIOVASC_DEATH_RATE,DIABETES_PREVALENCE
96 | order by "MAX DEATH" DESC
97 |
98 | -----
```

Query Result SQL Fetched 50 rows in 0,064 seconds

	COUNTRYNAME	KALP ÖLÜM ORANI	DIYABET SIKLIĞI	MAX DEATH
1	USA	151,089	10,79	361123
2	Brazil	177,961	8,11	198974
3	India	282,28	10,39	150336
4	Mexico	152,783	13,06	129987
5	UK	122,137	4,28	77470
6	Italy	113,151	4,78	76877
7	France	86,06	4,77	66699
8	Russia	431,297	6,18	59137
9	Iran	270,308	9,59	55830
10	Spain	99,403	7,17	51430

**TOP 5 COUNTRIES WHERE THE FIRST SYMPTOMS OF CORONA VIRUS ARE SEEN AND 5
COUNTRIES WITH THE LAST SYMPTOMS**
**(CORONA VİRÜSÜNÜN İLK BELİRTİLERİİNİN GÖRÜLDÜĞÜ İLK 5 ÜLKE VE SON BELİRTİLERİİN
GÖRÜLDÜĞÜ 5 ÜLKE)**

```

select s.countryname,s.date_,s.total_CASES from
(select row_number() over (order by a.DATE_ ASC) rn,
a.date_,a.total_CASES,c.countryname from COVID.CASES_BY_COUNTRIES a
INNER JOIN COVID.COUNTRY c on c.COUNTRYID = a.COUNTRY_ID
where a.total_CASES IS NOT NULL
) s
where s.rn < 6
UNION
select Z.countryname,Z.date_,Z.total_CASES from
(select row_number() over (order by a.DATE_ DESC) rn,
a.date_,a.total_CASES,c.countryname From COVID.CASES_BY_COUNTRIES a
INNER JOIN COVID.COUNTRY c on c.COUNTRYID = a.COUNTRY_ID
where a.total_CASES IS NOT NULL
) z
where z.rn < 6
ORDER BY DATE_ ASC

```

	COUNTRYNAME	DATE_	TOTAL_CASES
1	China	22/01/2020	548
2	S. Korea	22/01/2020	1
3	Taiwan	22/01/2020	1
4	Thailand	22/01/2020	2
5	USA	22/01/2020	1
6	Afghanistan	06/01/2021	53105
7	Algeria	06/01/2021	101120
8	Andorra	06/01/2021	8348
9	Angola	06/01/2021	17864
10	Antigua and Barbuda	06/01/2021	163

ANNUAL DEATH TOLL OF STATES(EYALETLERİN YILLIK VEFAT SAYISI)

```
142 select
143     s.statename,
144     MAX(case when extract(year from st.date_) = '2020' then st.death end) deaths_2020,
145     MAX(case when extract(year from st.date_) = '2021' then st.death end) deaths_2021
146 from COVID.statecases1 st join COVID.state_ s on s.statecode = st.statecode
147 group by s.statename
148 order by s.statename;
```

Query Result

SQL

Fetched 50 rows in 0,03 seconds

	STATENAME	DEATHS_2020	DEATHS_2021
1	Alabama	4827	4994
2	Alaska	206	220
3	Arizona	8864	9444
4	Arkansas	3676	3901
5	BatÄ± Virginia	1338	1481
6	Colorado	4814	5050
7	Connecticut	5995	6230
8	Delaware	926	947
9	Florida	21990	22647
10	GÃ¶ney Dakota	1488	1519
11	GÃ¶ney Karolina	5296	5582
12	Georgia	10934	11165
13	Hawaii	288	299
14	Idaho	1403	1471
15	Illinois	17978	18735
16	Tennessee	2262	2742

WHICH COUNTRY IS THE MOST LOSS OF LIVES?(EN ÇOK CAN KAYBI HANGİ ÜLKEDE)

The screenshot shows the Oracle SQL Developer interface. The top menu bar includes standard icons for running queries, saving, and navigating. Below the menu is a toolbar with buttons for Worksheet, Query Builder, and various SQL-related functions. The main workspace displays a hierarchical tree view of the query structure, followed by the actual SQL code. The code is a SELECT statement that retrieves data from the 'countrycases' table, joining it with the 'country' table. It filters for non-null total deaths, groups by country ID, total deaths, date, and new deaths, and orders the results by total deaths in descending order. A WHERE clause limits the result to the first row (ROWNUM=1). The bottom panel shows the 'Query Result' tab, which displays the fetched data in a table format. The table has four columns: DATE_, TOTAL_DEATHS, NEW_DEATHS, and COUNTRYNAME. The result shows a single row for the USA with a date of 06/01/2021, total deaths of 361123, new deaths of 3865, and country name USA.

```
SELECT * FROM
(
  SELECT DATE_, TOTAL_DEATHS, NEW_DEATHS, c.countryname
  FROM countrycases cc
    INNER JOIN country c ON c.countryid=cc.country_id
   WHERE TOTAL_DEATHS IS NOT NULL
   GROUP BY cc.country_id, TOTAL_DEATHS, DATE_, NEW_DEATHS, c.countryname
   ORDER BY TOTAL_DEATHS DESC
)
WHERE ROWNUM=1;
```

	DATE_	TOTAL_DEATHS	NEW_DEATHS	COUNTRYNAME
1	06/01/2021	361123	3865	USA

WHEN IT WAS THE FIRST CASE OF THE VIRUS IN TURKEY (TÜRKİYE'DE İLK COVID19 VAKASI NE ZAMAN OLDU)



T.C. SAĞLIK BAKANLIĞI
COVID-19 BİLGİLENDİRME SAYFA

```

98 ┌─ SELECT * FROM (
99 ┌─ SELECT CB.DATE_,
100 COUNTRYNAME,
101 NEW_CASES
102 ┌─ FROM COVID.CASES_BY_COUNTRIES CB
103 ┌─ INNER JOIN COVID.COUNTRY CO
104 ON CB.COUNTRY_ID=CO.COUNTRYID
105 WHERE CO.COUNTRYID=202
106 ORDER BY DATE_
107 )
108 WHERE ROWNUM=1

```

	DATE_	COUNTRYNAME	NEW_CASES
1	11/03/2020	Turkey	1

	Tarih	Toplam Test Sayısı	Toplam Vaka Sayısı	Toplam Vefat Sayısı	Anasayfa	COVID-19	Yayınlı
25 MART 2020		2433	59				
24 MART 2020		1872	44				
23 MART 2020		1529	37				
22 MART 2020		1236	30				
21 MART 2020		947	21				
20 MART 2020		670	9				
19 MART 2020		359	4				
18 MART 2020		191	2				
17 MART 2020		98	1				
16 MART 2020		47					
15 MART 2020		18					
14 MART 2020		6					
13 MART 2020		5					
12 MART 2020		1					
11 MART 2020		1					

AVERAGE AGE IN TURKEY(TÜRKİYEDE ORTALAMA YAŞ)

```
113 | SELECT DISTINCT(COUNTRYNAME),MEDIAN_AGE FROM COVID.CASES_BY_COUNTRIES CB  
114 | INNER JOIN COVID.COUNTRY CO  
115 | ON CB.COUNTRY_ID=CO.COUNTRYID  
116 | WHERE COUNTRY_ID = 202
```

```
117  
118
```

The screenshot shows a SQL query interface with the following details:

- Script Output:** Shows the executed SQL code.
- Query Result:** Shows the execution status: "All Rows Fetched: 1 in 0,011 seconds".
- Query Result 1:** Shows the result table with two columns: COUNTRYNAME and MEDIAN_AGE. The single row returned is Turkey, 31,6.
- Toolbar:** Includes icons for Script, Run, Stop, and SQL.

	COUNTRYNAME	MEDIAN_AGE
1	Turkey	31,6

COUNTRIES WITH THE LOWEST AVERAGE AGE (YAŞ ORTALAMASIEN KÜÇÜK OLAN ÜLKELER)

```
113 | SELECT DISTINCT(COUNTRYNAME), MEDIAN_AGE FROM COVID.CASES_BY_COUNTRIES CB
114 | INNER JOIN COVID.COUNTRY CO
115 | ON CB.COUNTRY_ID=CO.COUNTRYID
116 | WHERE MEDIAN_AGE IS NOT NULL
117 | ORDER BY MEDIAN_AGE
118 |
```

Script Output | Query Result | Query Result 1 |

SQL | Fetched 50 rows in 0,035 seconds

	COUNTRYNAME	MEDIAN_AGE
1	Niger	15,1
2	Mali	16,4
3	Uganda	16,4
4	Chad	16,7
5	Angola	16,8
6	Somalia	16,8
7	DRC	17
8	Burundi	17,5
9	Gambia	17,5
10	Burkina Faso	17,6
11	Mozambique	17,7
12	Tanzania	17,7
13	Zambia	17,7
14	Timor-Leste	18
15	Malawi	18,1
16	Nigeria	18,1

ALL COUNTRIES SMOKING RATE(TÜM ÜLKELER SIGARA İÇME ORANI)

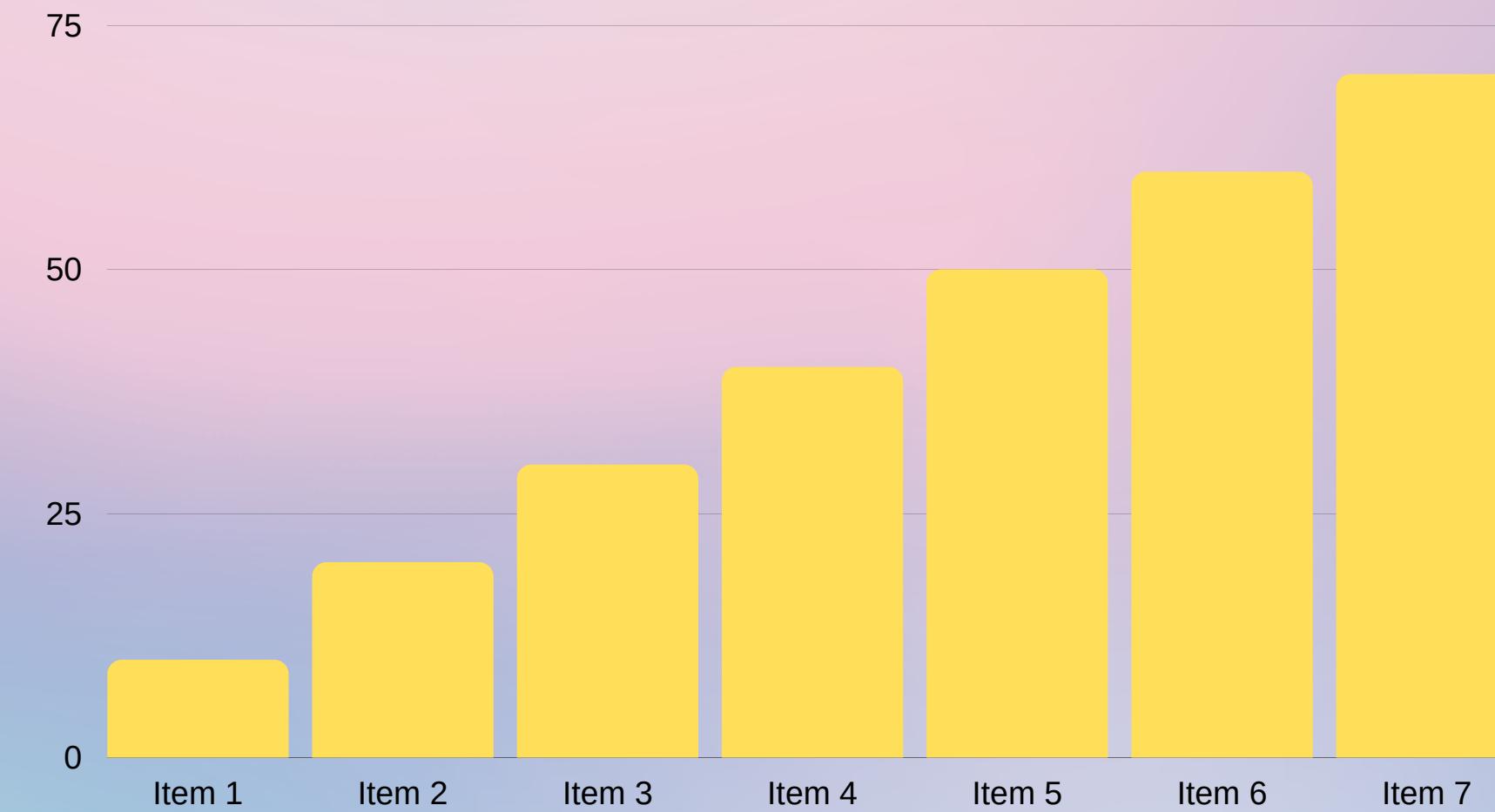
```
127 | SELECT C.COUNTRYNAME, CC.MALE_SMOKERS "ERKEK SIGARA İÇEN",CC.FEMALE_SMOKERS "KADIN SIGARA İÇEN"  
128 | FROM COVID.CASES_BY_COUNTRIES CC  
129 | INNER JOIN COVID.COUNTRY C ON C.COUNTRYID=CC.COUNTRY_ID  
130 | WHERE CC.FEMALE_SMOKERS IS NOT NULL  
131 | AND CC.MALE_SMOKERS IS NOT NULL  
132 | GROUP BY CC.FEMALE_SMOKERS, CC.MALE_SMOKERS, C.COUNTRYNAME  
133 | ORDER BY 1 DESC
```

Query Result X

SQL Fetched 50 rows in 0,061 seconds

	COUNTRYNAME	ERKEK SIGARA İÇEN	KADIN SIGARA İÇEN
1	Zimbabwe	30,7	1,6
2	Zambia	24,7	3,1
3	Yemen	29,2	7,6
4	Vietnam	45,9	1
5	Vanuatu	34,5	2,8
6	Uzbekistan	24,7	1,3
7	USA	24,6	19,1
8	Uruguay	19,9	14
9	Ukraine	47,4	13,5
10	UK	24,7	20
11	Uganda	16,7	3,4
12	UAE	37,4	1,2
13	Turkey	41,1	14,1

MsPowerBI





Goals

-
-
-
-
-
-
-
-
-
-

1.CURRENT DATA(GÜNCEL)

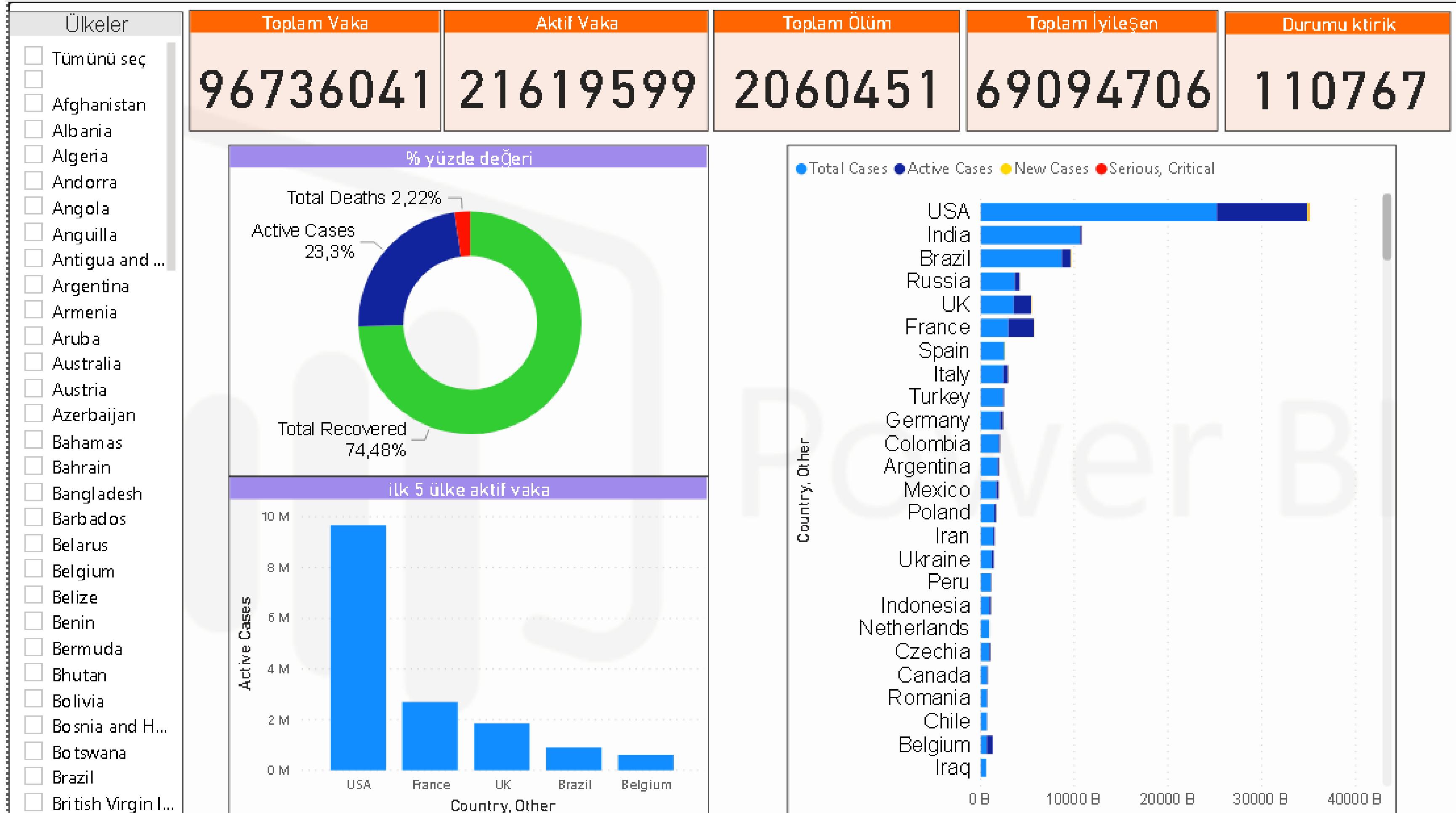
Graphic showing data extracted from web environment

2.OUR DATABASE (VERITABANI)

Chart showing the tables we created

-
-
-
-
-
-
-
-
-
-

1.CURRENT DATA(GÜNCEL)



Ülkeler

- Tümünü seç
- Afghanistan
- Albania
- Algeria
- Andorra
- Angola
- Anguilla
- Antigua and ...
- Argentina
- Armenia
- Aruba
- Australia
- Austria
- Azerbaijan
- Bahamas
- Bahrain
- Bangladesh
- Barbados
- Belarus
- Belgium
- Belize
- Benin
- Bermuda
- Bhutan
- Bolivia
- Bosnia and H...
- Botswana
- Brazil
- British Virgin I...

Toplam Vaka

96736041

Aktif Vaka

21619599

Toplam Ölüm

2060451

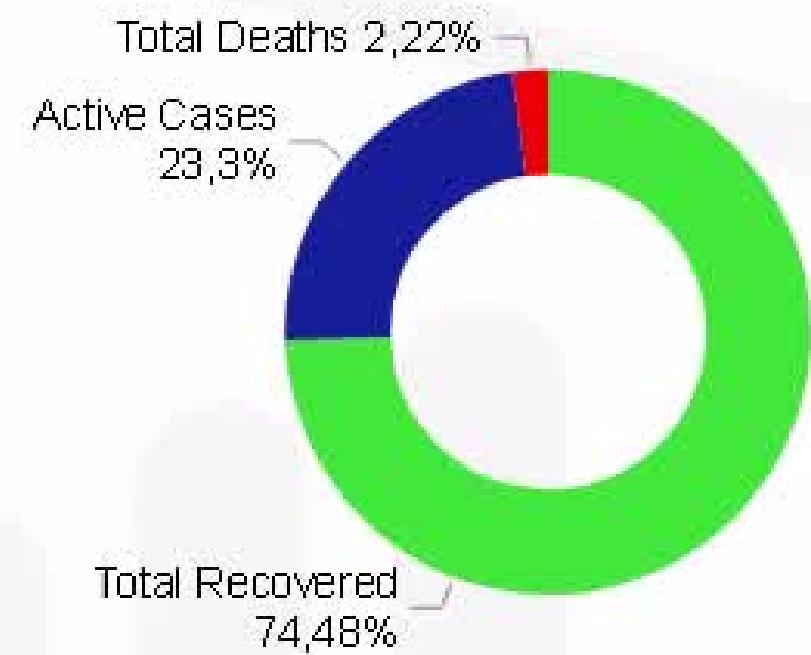
Toplam iyileşen

69094706

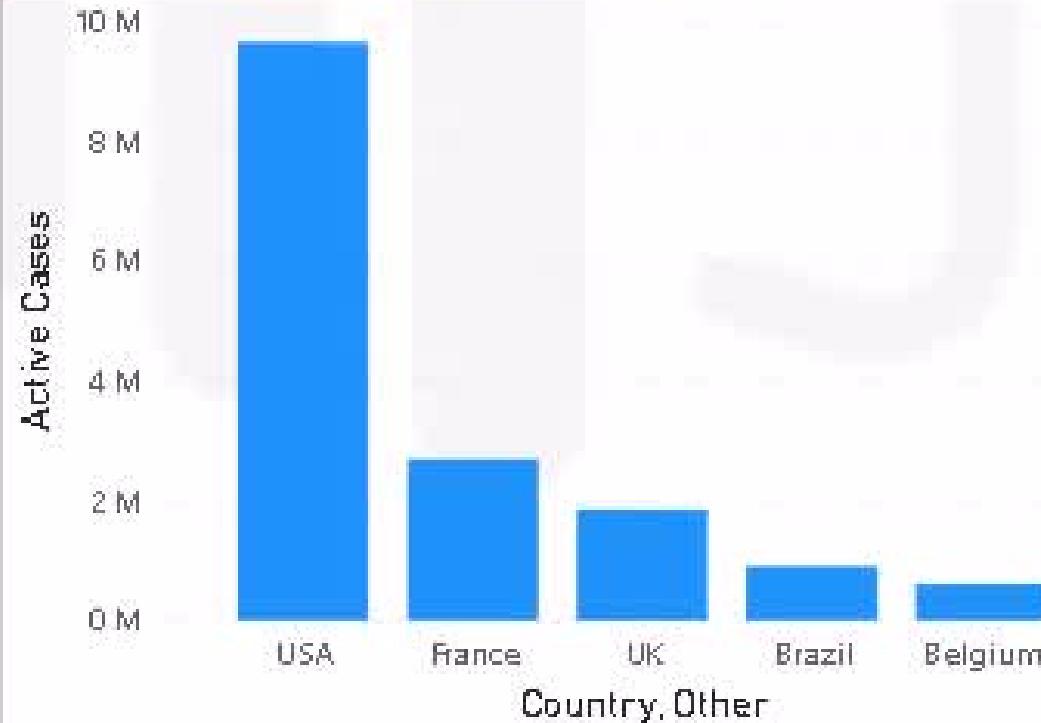
Durumunktirik

110767

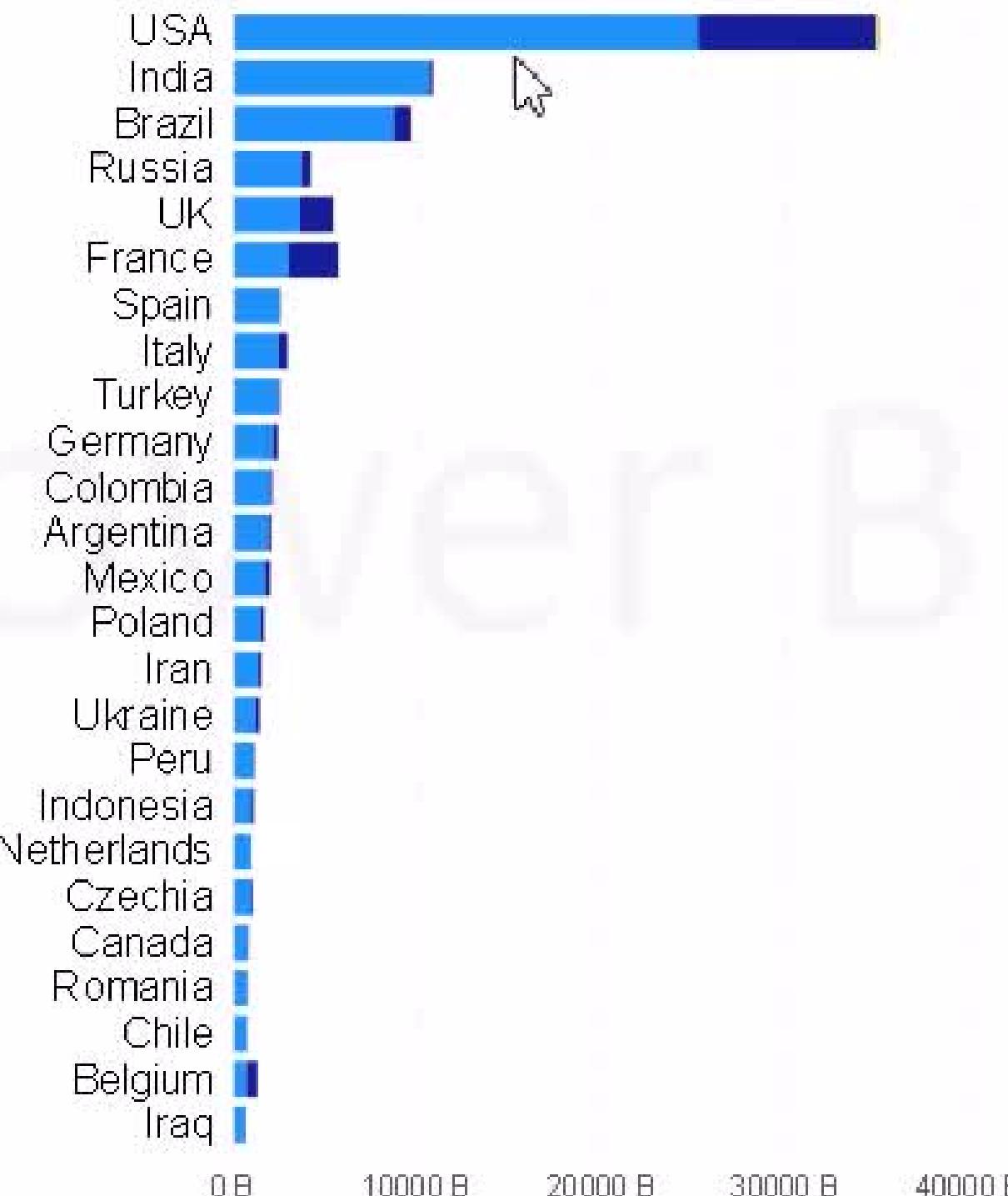
% yüzdé deðeri



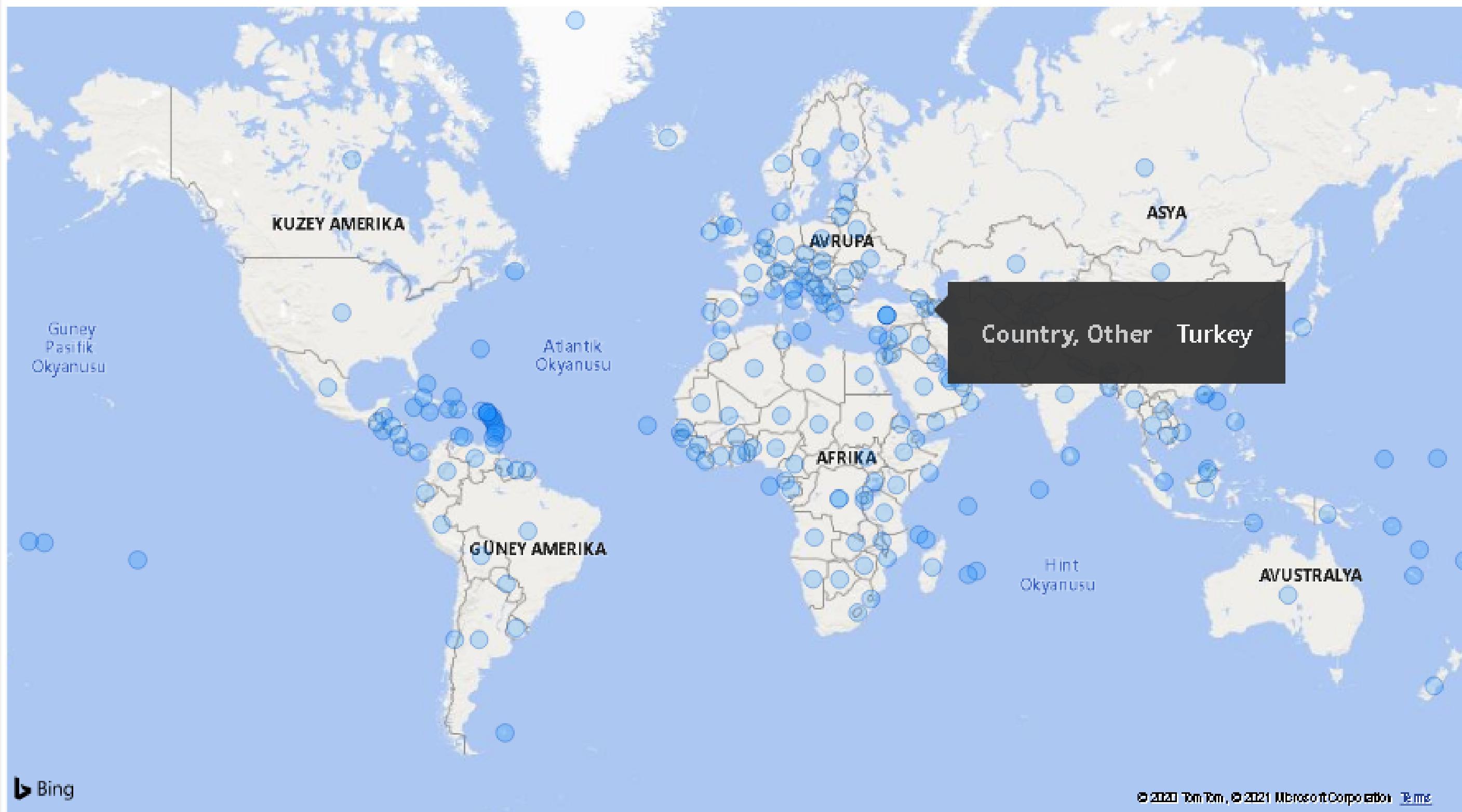
ilk 5 ülke aktif vaka



● Total Cases ● Active Cases ● New Cases ● Serious, Critical



Country, Other



Toplam Vaka

2412505

Aktif Vaka

97833

Toplam Ölüm

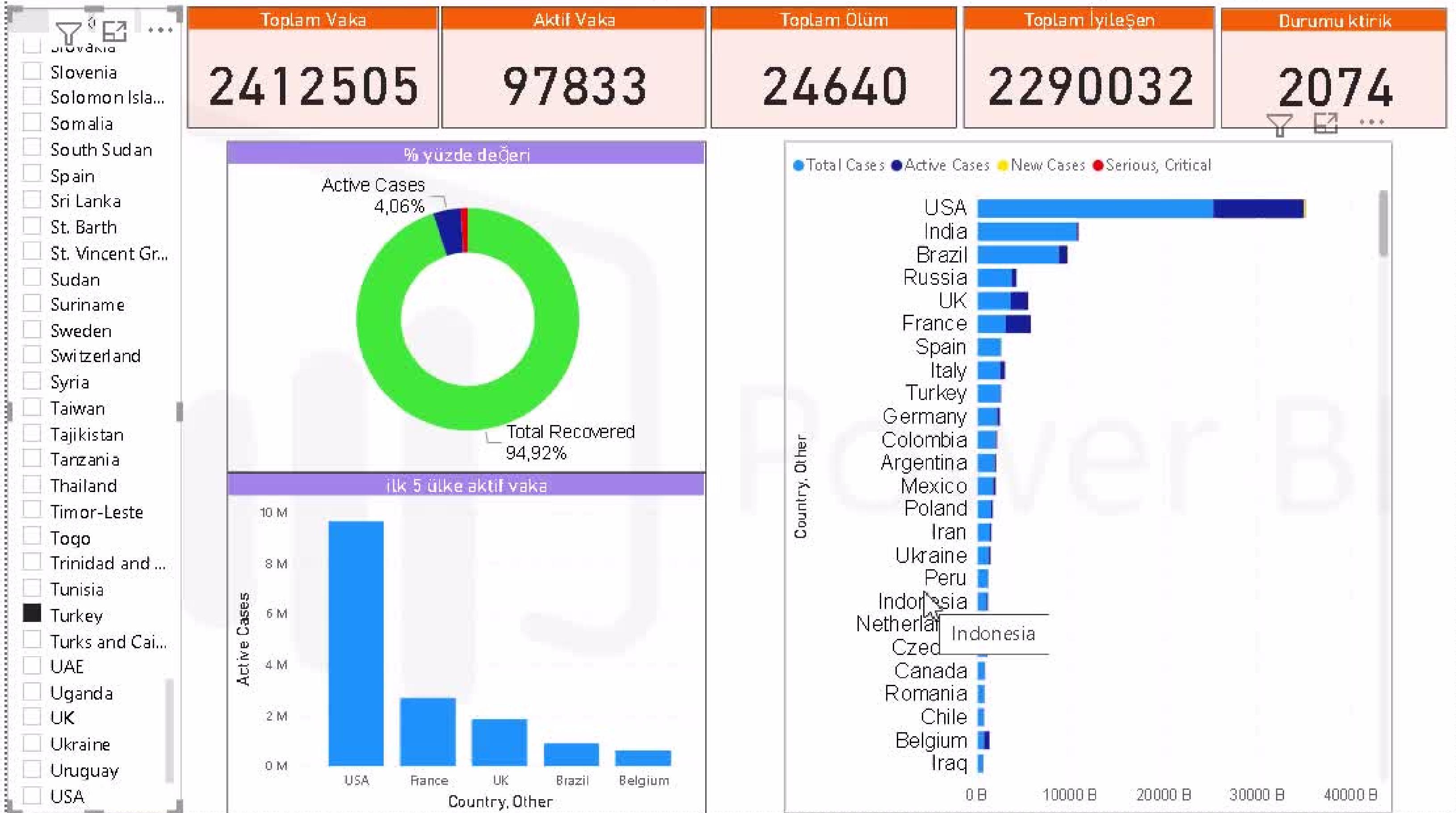
24640

Toplam iyileşen

2290032

Filtre | Eşleştirmek | ...
olu kritik

2074



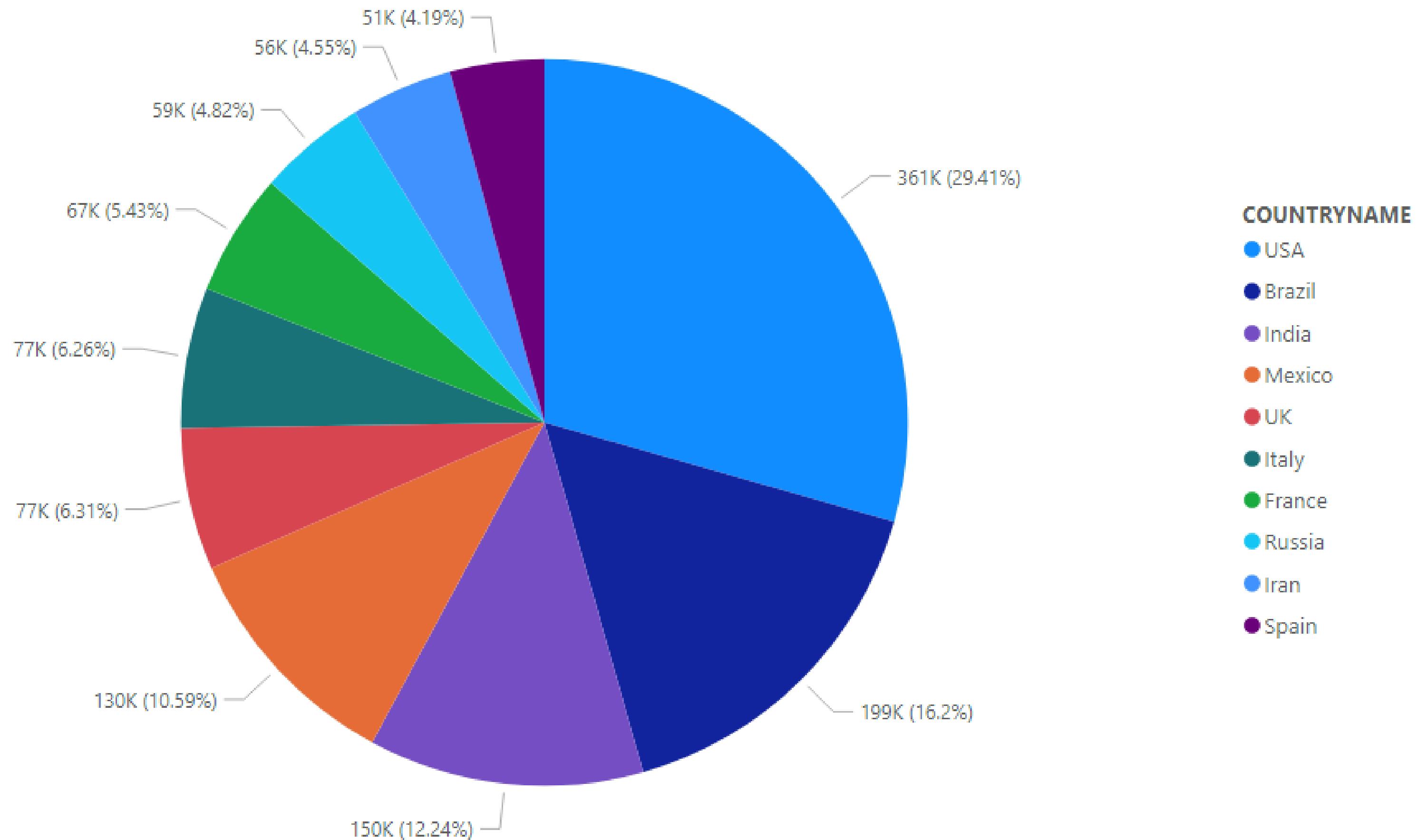
LIST

MAP



COUNTRYNAME	Max of TOTAL_CASES	Max of TOTAL_DEATHS	Max of TOTAL_TESTS
USA	21299340	361123	247,986,030.00
Brazil	7873830	198974	6,421,441.00
India	10395278	150336	177,463,405.00
Mexico	1479835	129987	3,308,272.00
UK	2845265	77470	54,302,701.00
Italy	2201945	76877	27,139,378.00
France	2763116	66699	
Russia	3274615	59137	92,338,414.00
Iran	1261903	55830	7,939,633.00
Spain	1982544	51430	22,660,315.00
Colombia	1719771	44723	6,202,261.00
Argentina	1676171	43976	4,111,796.00
Peru	1022018	37925	1,974,644.00
Germany	1841228	37835	34,801,593.00
South Africa	1149591	31368	6,828,147.00
Poland	1344763	30055	7,119,350.00
Indonesia	788402	23296	5,106,017.00
Turkey	2283931	22070	25,315,565.00
Ukraine	1124482	20171	5,680,116.00
Total	21299340	361123	247,986,030.00

COUNTRIES TOTAL DEATHS



COUNTRYNAME	Max of TOTAL_CASES	Max of TOTAL_DEATHS	Max of TOTAL_TESTS
USA	21299340	361123	247,986,030.00
India	10395278	150336	177,463,405.00
China	96398	4788	160,000,000.00
Russia	3274615	59137	92,338,414.00
UK	2845265	77470	54,302,701.00
Germany	1841228	37835	34,801,593.00
Italy	2201945	76877	27,139,378.00
Turkey	2283931	22070	25,315,565.00
Spain	1982544	51430	22,660,315.00
UAE	218766	689	21,583,656.00
Canada	631466	16403	14,180,625.00
Australia	28546	909	11,590,672.00
Saudi Arabia	363377	6272	11,174,310.00
Denmark	175663	1451	10,698,424.00
Israel	463448	3529	8,422,092.00
Iran	1261903	55830	7,939,633.00
Poland	1344763	30055	7,119,350.00
Belgium	655732	19883	7,050,062.00
Pakistan	495075	10511	6,923,857.00
Total	21299340	361123	247,986,030.00

TURKEY 6 JAN ALL CASES

COUNTRYNAME	DATE_	NEW_CASES	TOTAL_CASES	NEW_DEATHS	TOTAL_DEATHS	NEW_TESTS	TOTAL_TESTS
Turkey	Wednesday, January 6, 2021	13830	2283931	191	22070		
Turkey	Tuesday, January 5, 2021	14494	2270101	194	21879	183,413.00	25,315,565.00
Turkey	Monday, January 4, 2021	13695	2255607	197	21685	181,323.00	25,132,152.00
Turkey	Sunday, January 3, 2021	9877	2241912	193	21488	138,941.00	24,950,829.00
Turkey	Saturday, January 2, 2021	11180	2232035	202	21295	149,218.00	24,811,888.00
Turkey	Friday, January 1, 2021	12203	2220855	212	21093	158,103.00	24,662,670.00
Turkey	Thursday, December 31, 2020	14380	2208652	239	20881	178,217.00	24,504,567.00
Turkey	Wednesday, December 30, 2020	15692	2194272	254	20642	184,415.00	24,326,350.00
Turkey	Tuesday, December 29, 2020	15805	2178580	253	20388	183,117.00	24,141,935.00
Turkey	Monday, December 28, 2020	15197	2162775	257	20135	180,892.00	23,958,818.00
Turkey	Sunday, December 27, 2020	14205	2147578	254	19878	172,113.00	23,777,926.00
Turkey	Saturday, December 26, 2020	15118	2133373	253	19624	178,872.00	23,605,813.00
Turkey	Friday, December 25, 2020	17543	2118255	256	19371	201,104.00	23,426,941.00
Turkey	Thursday, December 24, 2020	18102	2100712	254	19115	195,675.00	23,225,837.00
Turkey	Wednesday, December 23, 2020	19650	2082610	259	18861	202,209.00	23,030,162.00
Total		1460706	124285288	22070	2193043	25,275,275.00	2,381,992,283.00

The screenshot shows the Talend Data Integration Designer interface. At the top, there is a preview window displaying a component named "CONTINENT". The preview shows the component's performance metrics: "7 rows in 1.61s" and "4.35 rows/s". Below the preview, the component is labeled "Continent (Main)". An arrow points from the component to a "tLogRow_1" component, which has a magnifying glass icon. Below the preview window, there is a toolbar with tabs for "Designer" and "Code", and icons for "Job", "Contexts", "Component", and "Run".

Job deneme

Execution

Basic Run

Run **Kill** **Clear**

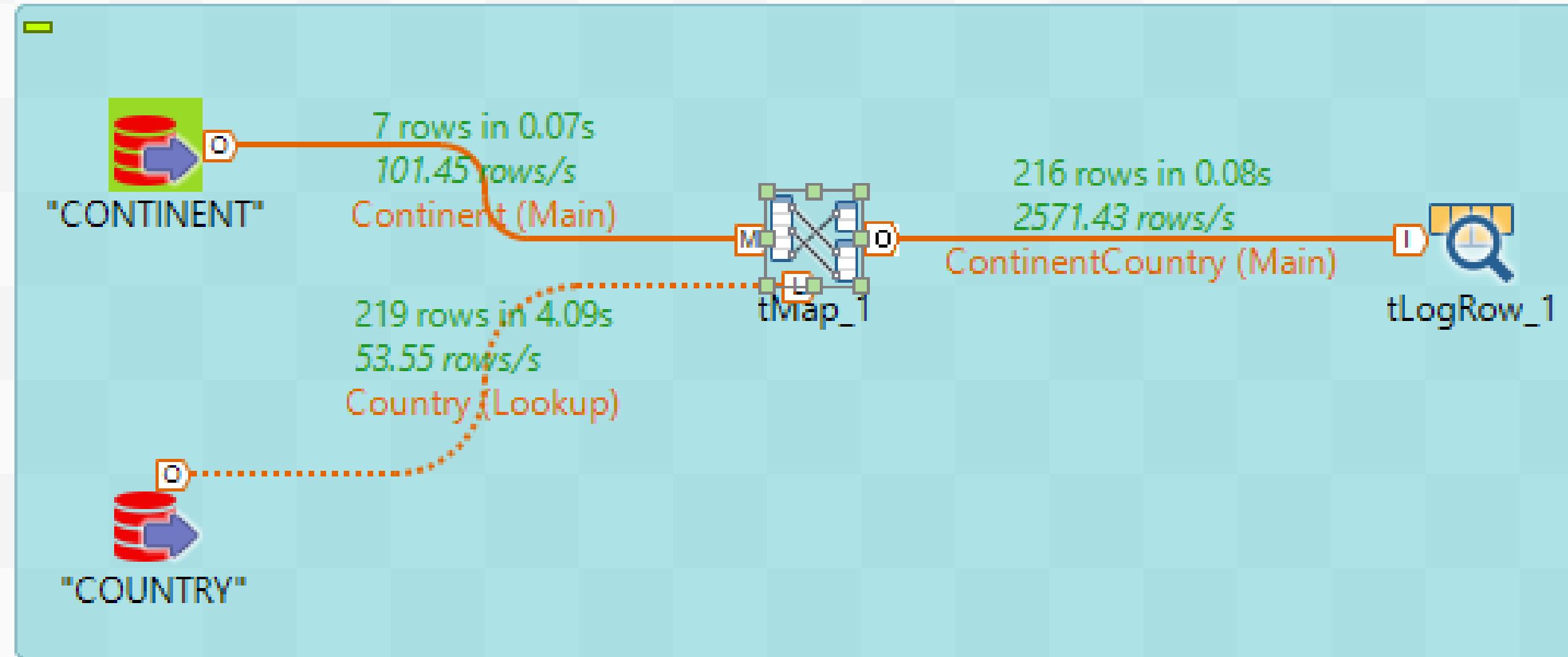
Starting job deneme at 22:40 22/01/2021.

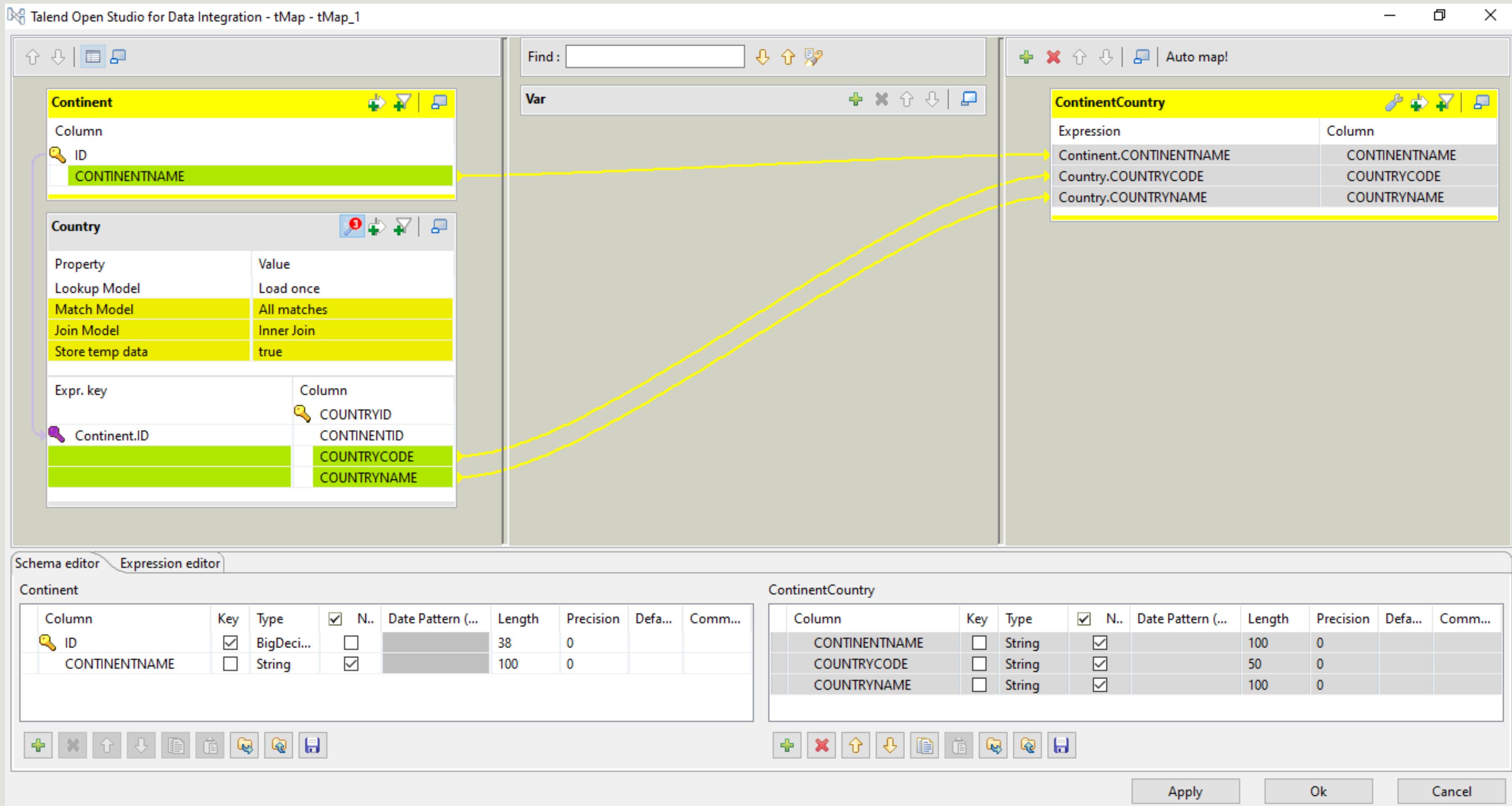
[statistics] connecting to socket on port 3640
[statistics] connected

```
---+-----  
     tLogRow_1  
=--+-----  
ID|CONTINENTNAME  
=--+-----  
1 |Africa  
2 |Antarctica  
3 |Asia  
4 |Australia (Oceania)  
5 |Europe  
6 |North America  
7 |South America  
---+
```

Line limit Wrap

Name





Basic Run

Debug Run

Advanced settings

Target Exec

Memory Run

Execution

 **Run**

 **Kill**

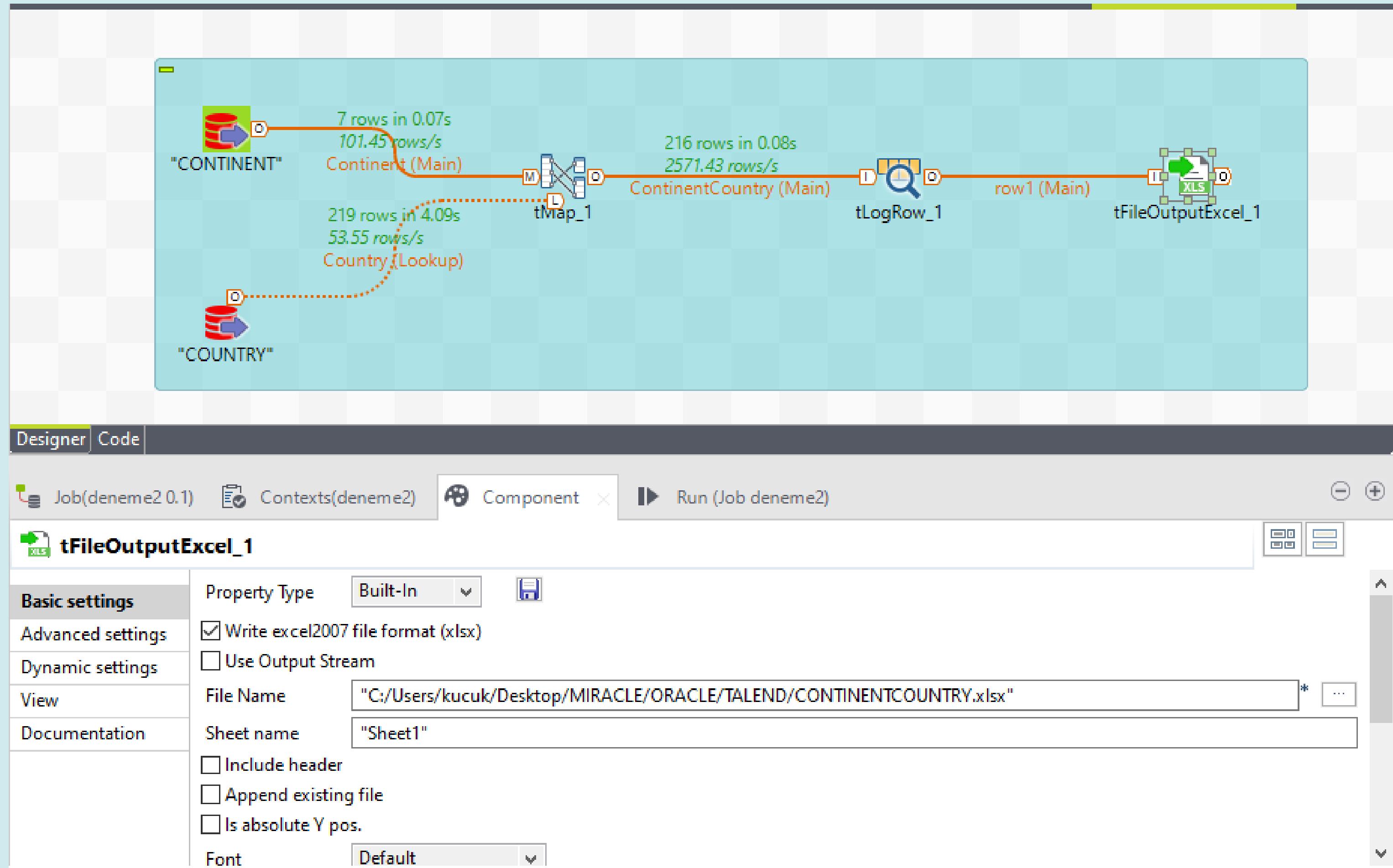
 **Clear**

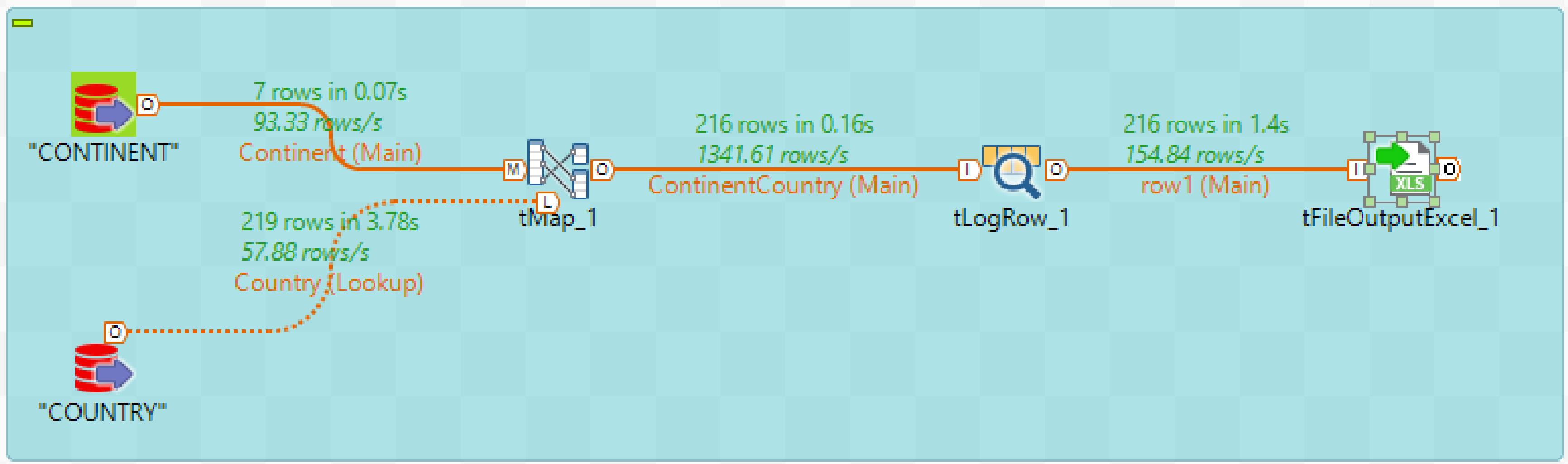
Starting job deneew2 at 22:49 22/01/2021.

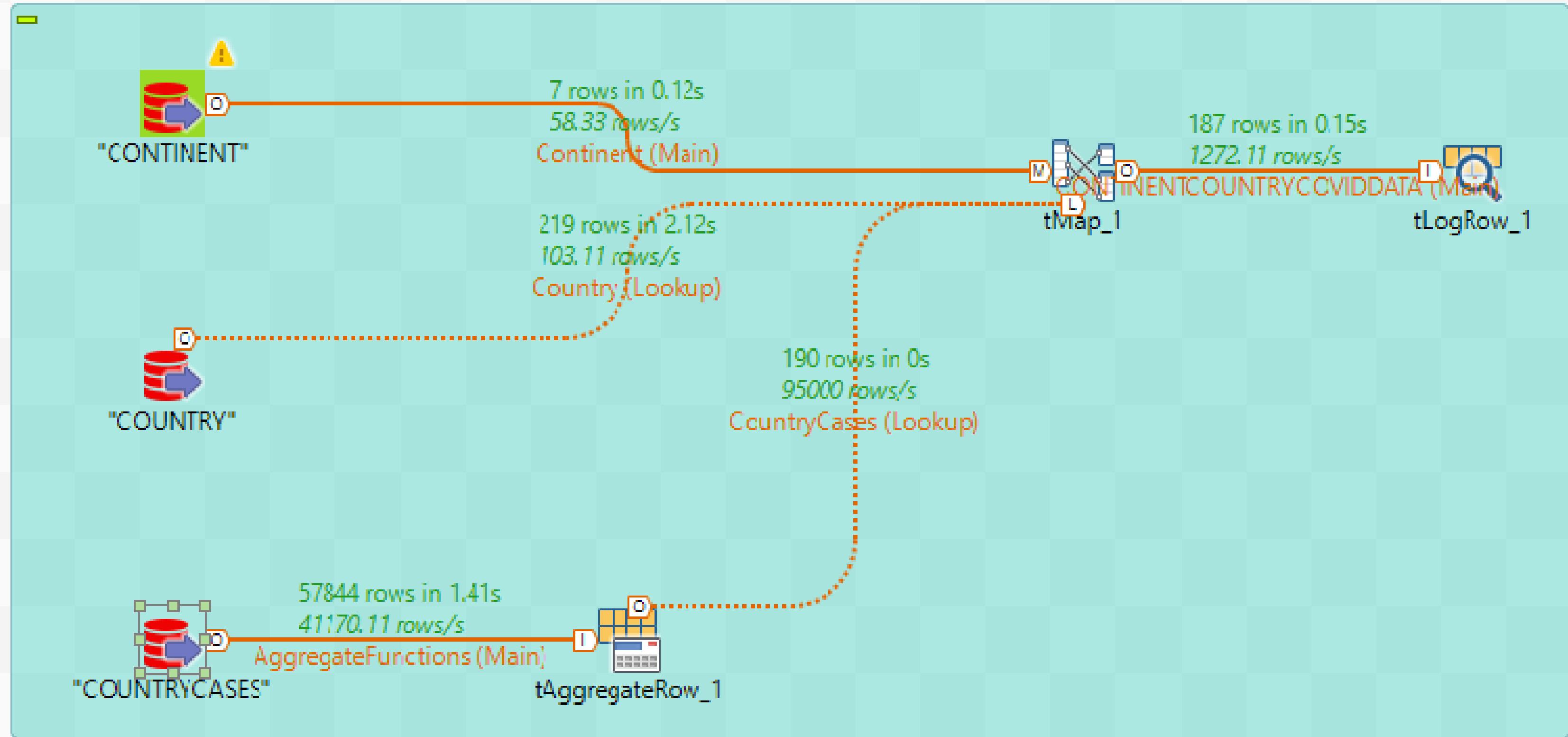
[statistics] connecting to socket on port 3586

[statistics] connected

tLogRow_1		
CONTINENTNAME	COUNTRYCODE	COUNTRYNAME
Africa	DZ	Algeria
Africa	AO	Angola
Africa	BJ	Benin
Africa	BW	Botswana
Africa	BF	Burkina Faso
Africa	BI	Burundi
Africa	CV	Cabo Verde
Africa	CM	Cameroon
Africa	CF	CAR
Africa	TD	Chad

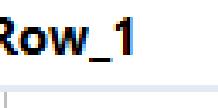


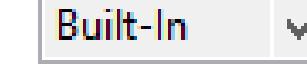
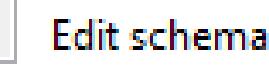




Job(deneme3 0.1) Contexts(deneme3) Component Run (Job deneme3)   

tAggregateRow_1

 Basic settings  Advanced settings  Dynamic settings  View  Documentation

Schema  Built-In  Edit schema 

Group by

Output column	Input column position
COUNTRY_ID	COUNTRY_ID

Operations

Output column	Function	Input column position	Ignore null values
NEW_CASES	sum	NEW_CASES	<input type="checkbox"/>
NEW_DEATHS	sum	NEW_DEATHS	<input type="checkbox"/>
NEW_TESTS	sum	NEW_TESTS	<input type="checkbox"/>

Execution

Run

Kill

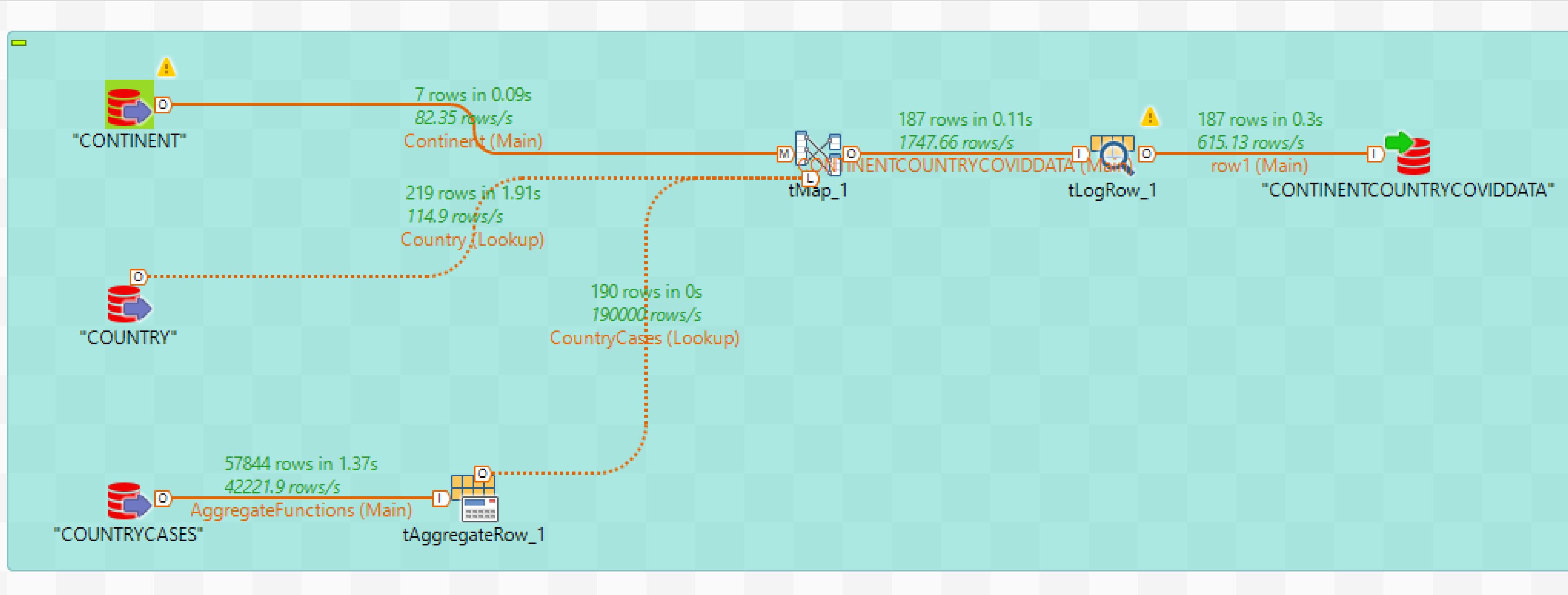
Clear

Starting job dssname3 at 00:01 23/01/2021.

[statistics] connecting to socket on port 3654

[statistics] connected

tLogRow_1					
CONTINENTNAME	COUNTRYCODE	COUNTRYNAME	NEW_CASES	NEW_DEATHS	NEW_TESTS
Africa	DZ	Algeria	101120	2786	0
Africa	AO	Angola	17864	413	0
Africa	BJ	Benin	3304	44	0
Africa	BW	Botswana	15440	45	0
Africa	BF	Burkina Faso	7563	89	0
Africa	BI	Burundi	884	2	0
Africa	CV	Cabo Verde	12052	113	77694
Africa	CM	Cameroon	26848	448	0
Africa	CF	CAR	4963	63	0
Africa	TD	Chad	2328	105	0
Africa	KM	Comoros	995	13	0
Africa	CG	Congo	7127	108	0
Africa	DJ	Djibouti	5855	61	0
Africa	CD	DRC	18487	599	85727
Africa	EG	Egypt	145590	7975	0
Africa	GQ	Equatorial Guinea	5286	86	0
Africa	ER	Eritrea	1252	1	0
Africa	SZ	Eswatini	10539	261	0
Africa	ET	Ethiopia	126786	1965	1817155



CONTINENTCOUNTRYCOVIDDATA

Columns Data Model Constraints Grants Statistics Triggers Flashback Dependencies Details Partitions Indexes SQL

Sort.. Filter:

	CONTINENTNAME	COUNTRYCODE	COUNTRYNAME	NEW_CASES	NEW_DEATHS	NEW_TESTS
1	Europe	RO	Romania	654007	16299	4051336
2	Europe	RU	Russia	3274615	59137	87992876
3	Europe	SM	San Marino	2549	62	0
4	Europe	CS	Serbia	352120	3444	2344557
5	Europe	SK	Slovakia	196047	2657	1470235
6	Europe	SI	Slovenia	131724	2899	748990
7	Europe	ES	Spain	1982544	51430	0
8	Europe	SE	Sweden	469748	8985	3897131
9	Europe	CH	Switzerland	470789	8109	3363263
10	Europe	GB	UK	2845265	77470	53401286
11	Europe	UA	Ukraine	1124482	20171	4217806
12	Europe	VA	Vatican City	27	0	0
13	North America	AG	Antigua and Barbuda	163	5	0
14	North America	BS	Bahamas	7945	175	0
15	North America	BB	Barbados	743	7	0
16	North America	BZ	Belize	11108	260	0
17	North America	CA	Canada	631466	16403	13773298
18	North America	CR	Costa Rica	175038	2267	242306
19	North America	CU	Cuba	13165	148	1531524
20	North America	DM	Dominica	105	0	0
21	North America	DO	Dominican Republic	176378	2419	515071
22	North America	SV	El Salvador	47355	1382	496946
23	North America	GD	Grenada	127	0	0
24	North America	GT	Guatemala	140202	4899	648316

CONTINENTCOUNTRYCOVIDDATA COVID

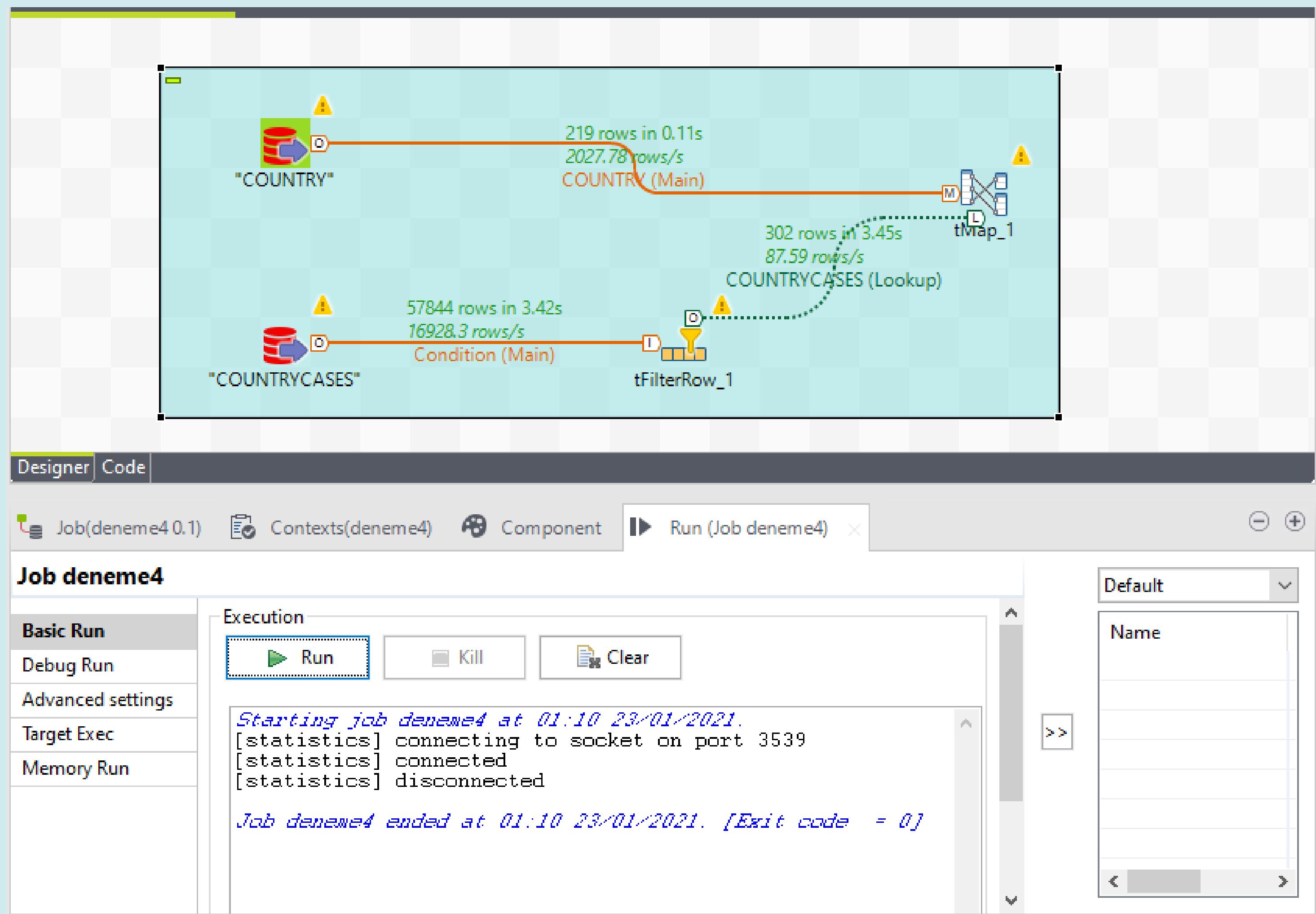
Worksheet Query Builder

```
SELECT COUNT(*) FROM CONTINENTCOUNTRYCOVIDDATA;
```

Query Result x

COUNT(*)
187

All Rows Fetched: 1 in 0.024 seconds



Job(deneme4 0.1) Contexts(deneme4) Component Run (Job deneme4) ⌂ +

tFilterRow_1

Basic settings Schema Built-In Edit schema ... Sync columns Advanced settings Logical operator used to combine conditions And * Dynamic settings Conditions InputColumn Function Operator Value View COUNTRY_ID Empty Equals 202 Documentation

+ X Up Down Save Cancel

Use advanced mode

Execution

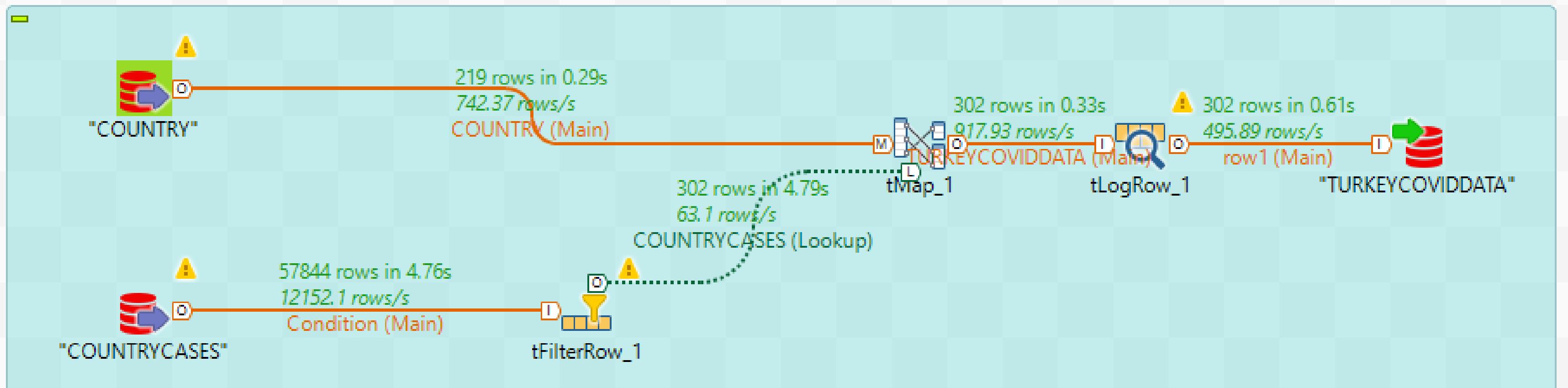
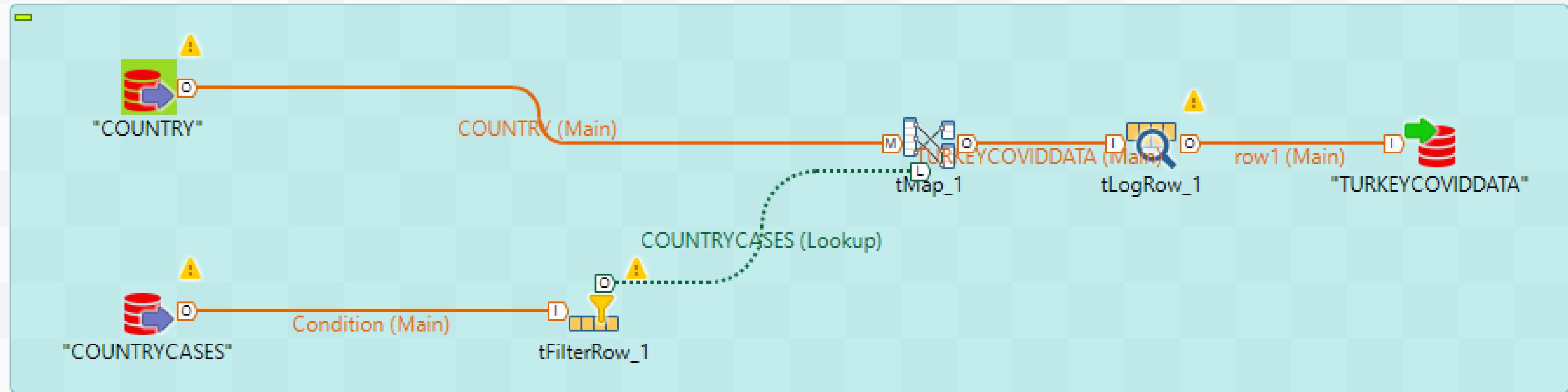
Run **Kill** **Clear**

Starting job dname=4 at 01:19 23/01/2021.

[statistics] connecting to socket on port 3616

[statistics] connected

tLogRow_1				
COUNTRYNAME	DATE_	NEW_CASES	NEW_DEATHS	NEW_TESTS
Turkey	11-03-2020	1	null	null
Turkey	12-03-2020	0	null	null
Turkey	13-03-2020	4	null	null
Turkey	14-03-2020	0	null	null
Turkey	15-03-2020	1	null	null
Turkey	16-03-2020	12	null	null
Turkey	17-03-2020	29	1	null
Turkey	18-03-2020	51	0	null
Turkey	19-03-2020	94	2	null
Turkey	20-03-2020	167	1	null
Turkey	21-03-2020	311	5	null
Turkey	22-03-2020	566	21	null
Turkey	23-03-2020	293	7	null
Turkey	18-12-2020	26410	246	205809
Turkey	19-12-2020	22195	241	173132
Turkey	20-12-2020	20316	246	158892
Turkey	21-12-2020	19103	254	196110
Turkey	22-12-2020	19256	251	192316
Turkey	23-12-2020	19650	259	202209
Turkey	24-12-2020	18102	254	195675
Turkey	25-12-2020	17543	256	201104
Turkey	26-12-2020	15118	253	178872
Turkey	27-12-2020	14205	254	172113
Turkey	28-12-2020	15197	257	180892
Turkey	29-12-2020	15805	253	183117
Turkey	30-12-2020	15692	254	184415
Turkey	31-12-2020	14380	239	178217



TURKEYCOVIDDATA

Columns Data Model Constraints Grants Statistics Triggers Flashback Dependencies Details

Sort.. Filter:

	COUNTRYNAME	DATE_	NEW_CASES	NEW_DEATHS	NEW_TESTS
1	Turkey	11/03/2020	1	(null)	(null)
2	Turkey	12/03/2020	0	(null)	(null)
3	Turkey	13/03/2020	4	(null)	(null)
4	Turkey	14/03/2020	0	(null)	(null)
5	Turkey	15/03/2020	1	(null)	(null)
6	Turkey	16/03/2020	12	(null)	(null)
7	Turkey	17/03/2020	29	1	(null)
8	Turkey	18/03/2020	51	0	(null)
9	Turkey	19/03/2020	94	2	(null)
10	Turkey	20/03/2020	167	1	(null)
11	Turkey	21/03/2020	311	5	(null)
12	Turkey	22/03/2020	566	21	(null)
13	Turkey	23/03/2020	293	7	(null)
14	Turkey	18/12/2020	26410	246	205809
15	Turkey	19/12/2020	22195	241	173132
16	Turkey	20/12/2020	20316	246	158892
17	Turkey	21/12/2020	19103	254	196110
18	Turkey	22/12/2020	19256	251	192316
19	Turkey	23/12/2020	19650	259	202209
20	Turkey	24/12/2020	18102	254	195675
21	Turkey	25/12/2020	17543	256	201104
22	Turkey	26/12/2020	15118	253	178872

Worksheet Query Builder

```
SELECT COUNT(*) FROM TURKEYCOVIDDATA;
```

Script Output X Query Result X

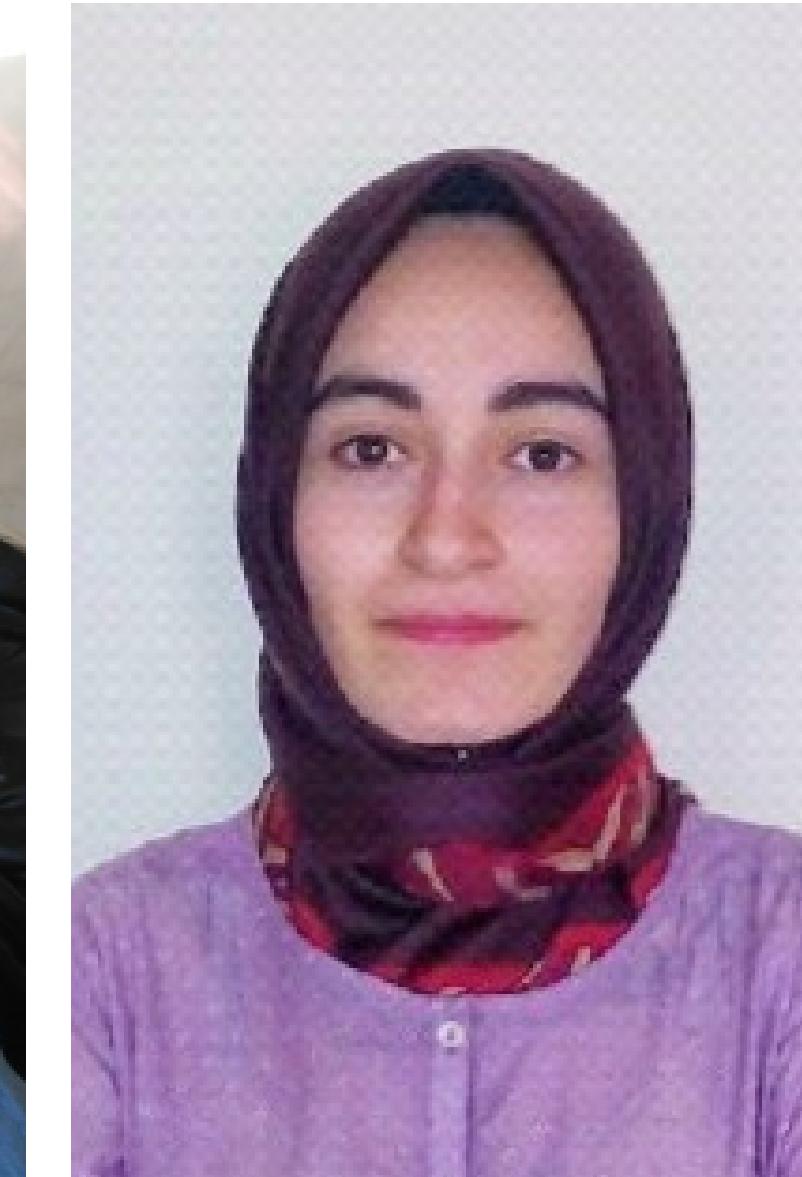
All Rows Fetched: 1 in 0.07 seconds

	COUNT(*)
1	302

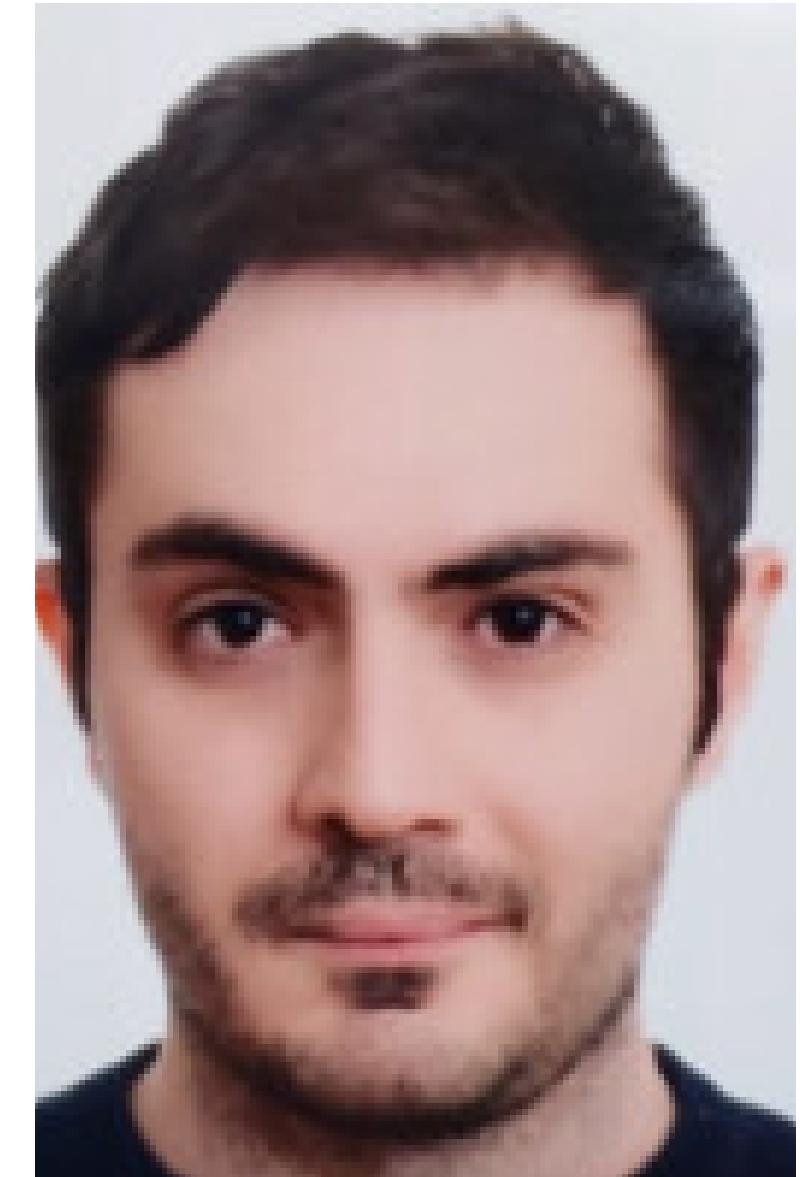
COVID DATA Team



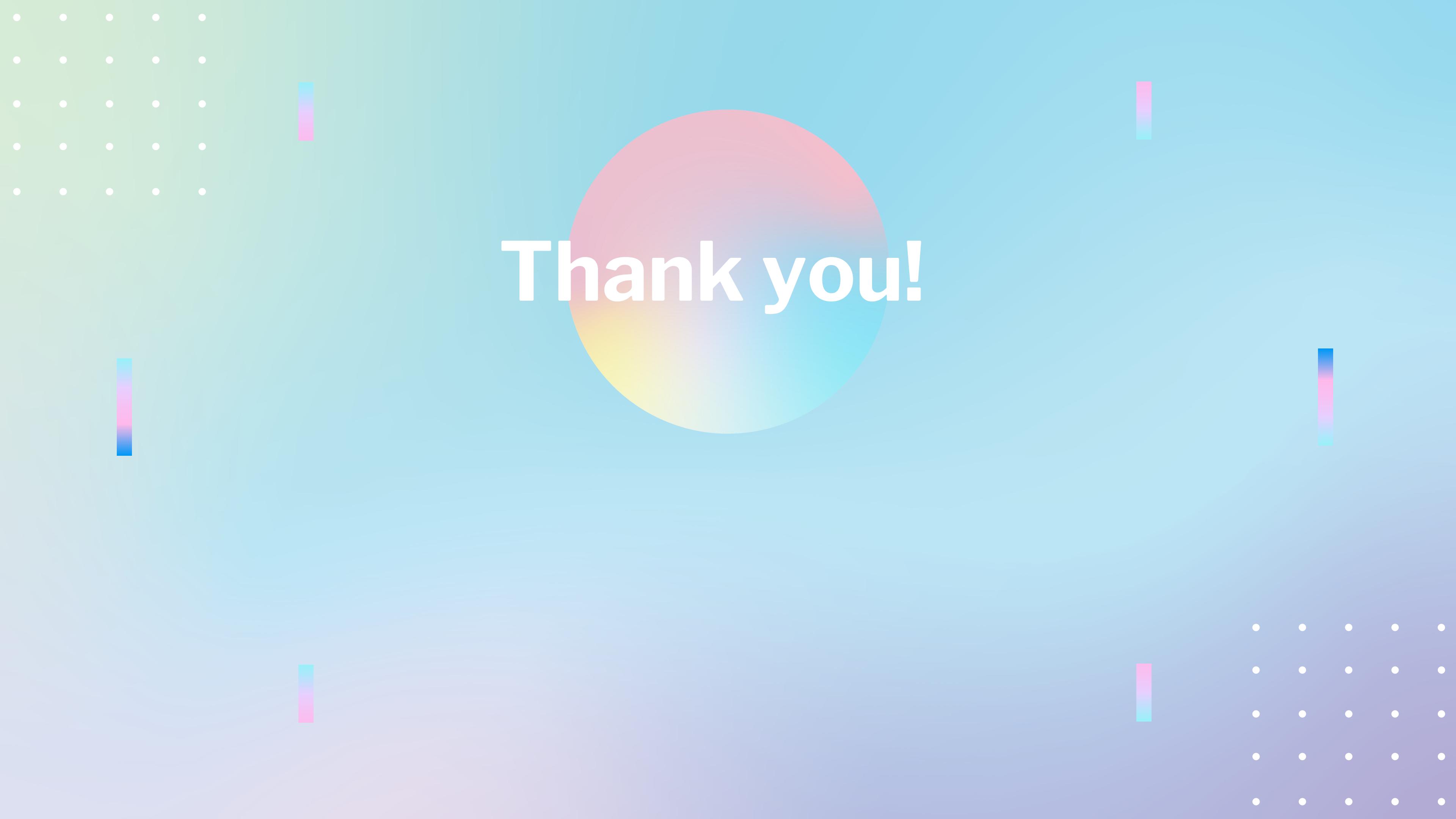
**MERVE
KÜÇÜKDÖĞRU**
Team Leader



**FATMANUR
ACAR**



**FURKAN
AKTÜRK**



Thank you!