



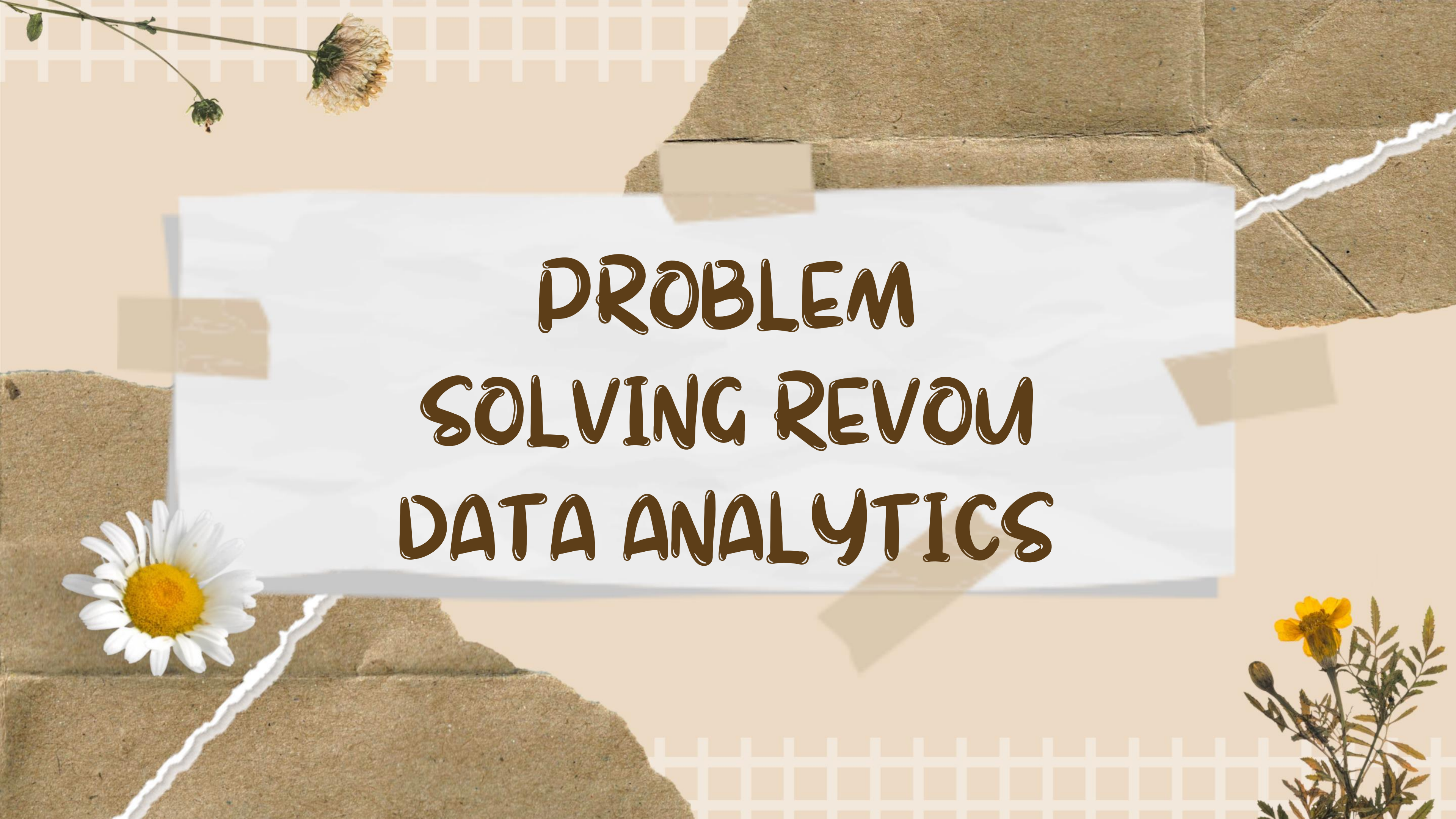
Study Case Revou

PORTOFOLIO REVOM DATA ANALYTICS



Oleh :
Hanif Naufal Rafandi





PROBLEM SOLVING REVOM DATA ANALYTICS



PROBLEM DA





Case study Instructions:

You are a Data Analyst at the West Java Provincial Government. You are asked to create a dashboard on the Guarantee and Number of Health Facilities in West Java to evaluate the condition of health facilities and health services in each Regency/City in West Java. Create a dashboard using the dataset below:

Jumlah Fasilitas Kesehatan di Jawa Barat: [Link](#)

Jaminan Kesehatan di Jawa Barat: [Link](#)



SOLVING SQL 1



StudyCase1 **RUN** **SAVE QUERY** **SHARE** **SCHEDULE** **MORE**

```
1 SELECT
2   nama_kabupaten_kota,
3   SUM(DISTINCT jumlah_penduduk) AS total_penduduk
4 FROM
5   `dark-park-396813.kesehatan.jaminan_kesehatan_jabar`
6 WHERE
7   nama_kabupaten_kota LIKE 'KOTA%'
8 GROUP BY
9   1
10 ORDER BY
11   2 DESC
```

Press Alt+F1 for Accessibility Options

Query results **SAVE RESULTS** **EXPLORE DATA**

JOB INFORMATION **RESULTS** JSON EXECUTION DETAILS CHART **PREVIEW** EXECUTION GRAPH

Row	nama_kabupaten_kota	total_penduduk
1	KOTA BANDUNG	2303679
2	KOTA BEKASI	1952508
3	KOTA DEPOK	1567340
4	KOTA BOGOR	985793

Activate Windows
Go to Settings to activate Windows.

SOLVING SQL 2



StudyCase2 **RUN** SAVE QUERY SHARE SCHEDULE MORE Query completed.

```
1 SELECT
2   jaminan_kesehatan,
3   SUM(jumlah_penduduk) AS tot_penduduk,
4   ROUND(AVG(jumlah_penduduk),2) AS avg_penduduk
5 FROM
6   `dark-park-396813.kesehatan.jaminan_kesehatan_jabar`
7 WHERE jumlah_penduduk > 100
8 GROUP BY
9   1
10 ORDER BY
11  2 DESC
```

Press Alt+F1 for Accessibility Options.

Query results **SAVE RESULTS** EXPLORE DATA

JOB INFORMATION **RESULTS** JSON EXECUTION DETAILS CHART **PREVIEW** EXECUTION GRAPH

Row	jaminan_kesehatan	tot_penduduk	avg_penduduk
1	PENERIMA BANTUAN IURAN (...)	15363537	569019.89
2	PEKERJA PENERIMA UPAH (P...	8176318	302826.59
3	PEKERJA BUKAN PENERIMA U...	6424063	237928.26
4	PENERIMA BANTUAN IURAN (...)	3740270	138528.52

Activate Windows
Go to Settings to activate Windows.

SOLVING SQL 3



StudyCase3 **RUN** SAVE QUERY SHARE SCHEDULE MORE

```
1 SELECT
2   nama_kabupaten_kota,
3   SUM(jumlah_faskes) AS jum_faskes,
4   ROUND(AVG(jumlah_faskes),2) AS rata_faskes
5 FROM
6   `dark-park-396813.kesehatan.jumlah_faskes_jabar`
7 WHERE
8   nama_kabupaten_kota LIKE 'KOTA%'
9 GROUP BY
10  1
11 ORDER BY
12  1 ASC
```

Press Alt+F1 for Accessibility Options.

Query results **SAVE RESULTS** EXPLORE DATA

JOB INFORMATION **RESULTS** JSON EXECUTION DETAILS CHART **PREVIEW** EXECUTION GRAPH

Row	nama_kabupaten_kota	jum_faskes	rata_faskes
1	KOTA BANDUNG	2160	216.0
2	KOTA BANJAR	239	23.9
3	KOTA BEKASI	1737	173.7
4	KOTA BOGOR	1099	109.9

Activate Windows
Go to Settings to activate Windows.

SOLVING SQL 4



StudyCase4 **RUN** SAVE QUERY SHARE SCHEDULE MORE Query completed.

```
1 SELECT
2   nama_kabupaten_kota,
3   SUM(jumlah_faskes) AS jum_faskes,
4   ROUND(AVG(jumlah_faskes),2) AS rata_faskes
5 FROM
6   `dark-park-396813.kesehatan.jumlah_faskes_jabar`
7 WHERE
8   nama_kabupaten_kota LIKE 'KABUPATEN%'
9 GROUP BY
10  1
11 ORDER BY
12  2 DESC
```

Press Alt+F1 for Accessibility Options

Query results **SAVE RESULTS** EXPLORE DATA

JOB INFORMATION **RESULTS** JSON EXECUTION DETAILS CHART **PREVIEW** EXECUTION GRAPH

Row	nama_kabupaten_kota	jum_faskes	rata_faskes
1	KABUPATEN BOGOR	5128	512.8
2	KABUPATEN BANDUNG	4490	449.0
3	KABUPATEN GARUT	4218	421.8
4	KABUPATEN SUKABUMI	3655	365.5

Activate Windows
Go to Settings to activate Windows.

SOLVING SQL 5



StudyCase5 **RUN** SAVE QUERY SHARE SCHEDULE MORE Query completed.

```
1 SELECT
2   jenis_faskes,
3   SUM(jumlah_faskes) AS tot_faskes,
4   ROUND(AVG(jumlah_faskes),2) AS avg_faskes
5 FROM
6   `dark-park-396813.kesehatan.jumlah_faskes_jabar`
7 GROUP BY
8   1
9 ORDER BY
10  1 ASC
```

Press Alt+F1 for Accessibility Options.

Query results **SAVE RESULTS** EXPLORE DATA

JOB INFORMATION	RESULTS	JSON	EXECUTION DETAILS	CHART	PREVIEW	EXECUTION GRAPH
Row	jenis_faskes	tot_faskes	avg_faskes	<div>Activate Windows</div> <div>Go to Settings to activate Windows.</div>		
1	POSYANDU	52744	976.74			
2	PUSKESMAS	2157	39.94			
3	RUMAH SAKIT BERSALIN	62	1.15			
4	RUMAH SAKIT KHUSUS	128	2.37			

SOLVING SQL 6



StudyCase6 **RUN** SAVE QUERY SHARE SCHEDULE MORE Query completed.

```
1 SELECT
2   nama_kabupaten_kota,
3   COUNT(nama_kabupaten_kota) AS jum1_jaminan_kes
4 FROM
5   `dark-park-396813.kesehatan.jaminan_kesehatan_jabar`
6 GROUP BY
7   1
8
9
```

Press Alt+F1 for Accessibility Options

Query results **SAVE RESULTS** EXPLORE DATA

JOB INFORMATION **RESULTS** JSON EXECUTION DETAILS CHART **PREVIEW** EXECUTION GRAPH

Row	nama_kabupaten_kota	jum1_jaminan_kes
18	KABUPATEN PANGANDARAN	8
19	KOTA BOGOR	8
20	KOTA SUKABUMI	8
21	KOTA BANDUNG	8

Activate Windows
Go to Settings to activate Windows.

SOLVING SQL 7



StudyCase7 **RUN** SAVE QUERY SHARE SCHEDULE

StudyCase7 will process 5.48 KB when run.

```
1 SELECT
2   nama_kabupaten_kota,
3   SUM(DISTINCT jumlah_penduduk) AS total_penduduk
4 FROM
5   `dark-park-396813.kesehatan.jaminan_kesehatan_jabar`
6 WHERE
7   nama_kabupaten_kota LIKE 'KABUPATEN%'
8 GROUP BY
9   1
10 ORDER BY
11  1 ASC
```

Press Alt+F1 for Accessibility Options.

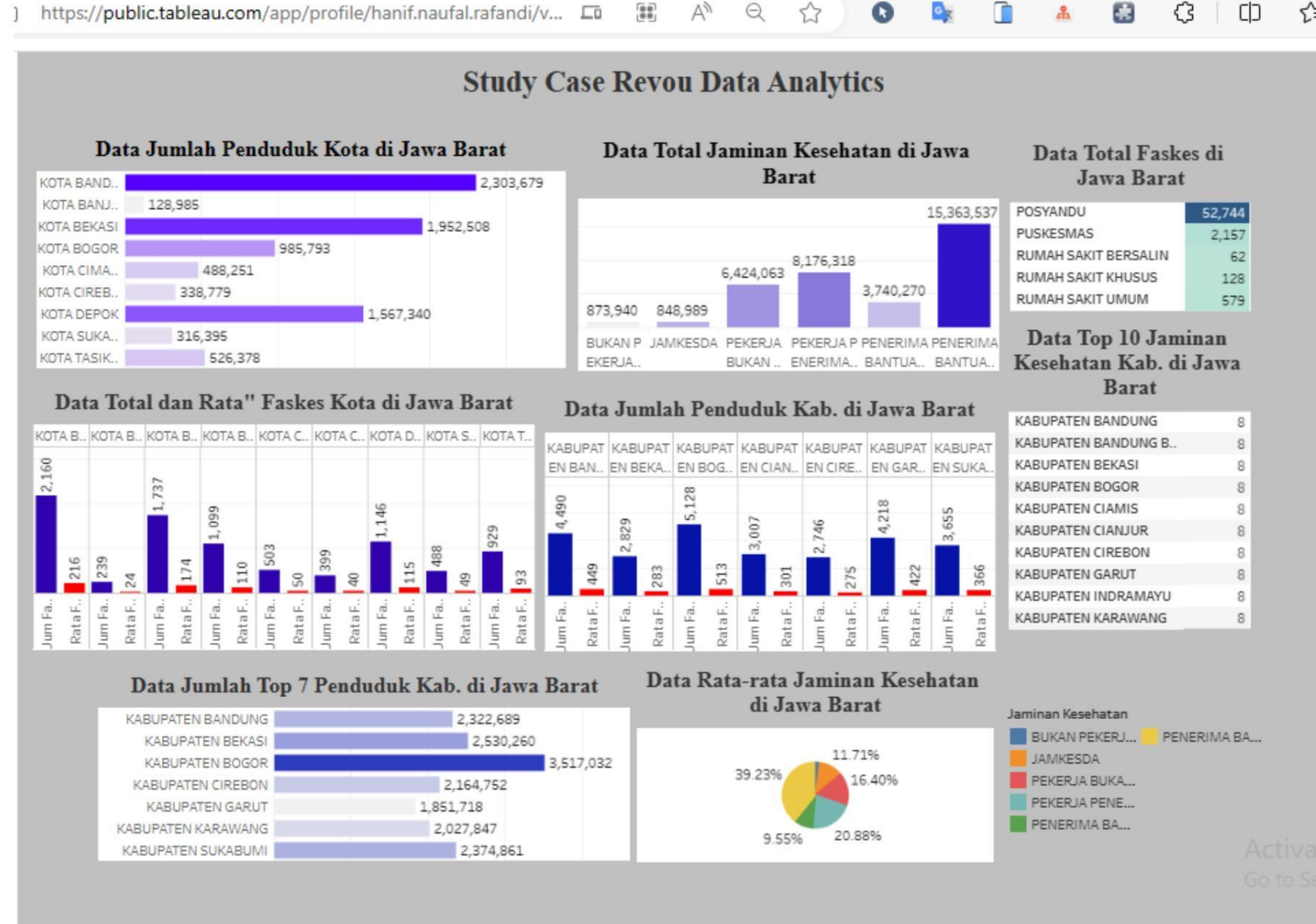
Query results **SAVE RESULTS** EXPLORE DATA

JOB INFORMATION **RESULTS** JSON EXECUTION DETAILS CHART **PREVIEW** EXECUTION GRAPH

Row	nama_kabupaten_kota	total_penduduk
9	KABUPATEN INDRAMAYU	1393210
10	KABUPATEN KARAWANG	2027847
11	KABUPATEN KUNINGAN	883107
12	KABUPATEN MAJALENGKA	911635

Activate Windows
Go to Settings to activate Windows.

RESULT DASHBOARD



KESIMPULAN



The tools that I use are Google BigQuery to clean the data used for visualization and public tableau to create visualizations with dashboard views.

For My Social Media :
Linkedin : Hanif Naufal Rafandi
Instagram : zxfale28

