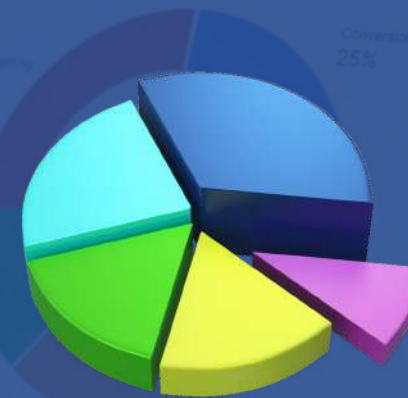
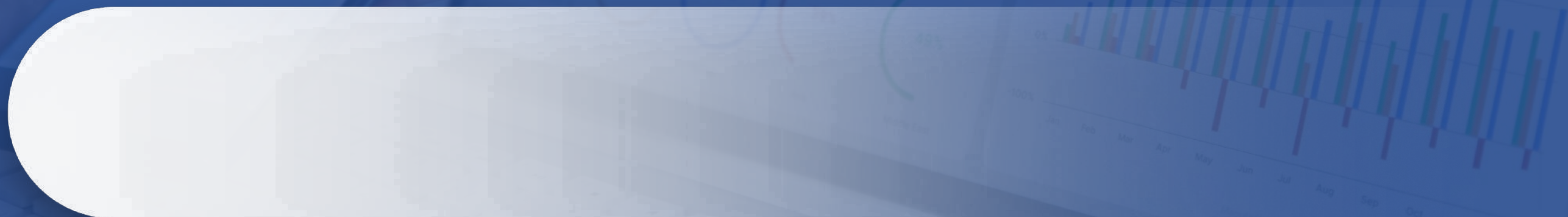


Portfolio



Corporate Intelligence | Data Analyst Enthusiast



About Me

Fresh graduate with honors (Cum Laude) in Mathematics with a passion data enthusiast and strong in statistics and analytics. Experienced in statistical analysis, time series forecasting, and data modeling as Management Information System staff at PT Bank Rakyat Indonesia Tbk and internship at Badan Pusat Statistik Provinsi Riau as a Regional Data Analyst. President of Himpunan Mahasiswa Jurusan (HMJ) Matematika in 2024, managing programs and teams across departments. Known for being organized, analytical, problem solving, leadership, time management, proactive, and adaptable in fast-paced, risk-taker with strategic Judgment, data-driven environments.

SOFTWARE:



Nia Fitria

Data Analyst Enthusiast

Educational

Universitas Islam Negeri Sultan Syarif Kasim Riau



Departement of Mathematics
Faculty of Science and Technology



Aug 2021 - Jan 2025

3.54/4.00 with Cum Laude Predicate

Publication:

- Poverty Analysis in Sumatera Island Using Spatial Autoregressive (SAR) and Spatial Error Model (SEM).
- Hubungan Tenaga Kerja Formal dan Pengeluaran Perkapita Terhadap Kemiskinan: Studi Kasus Pulau Sumatera Perspektif 2019-2022.



Work *Experience*

Regional Data Analyst Internship
Badan Pusat Statistik Provinsi Riau

Jan 2024 - Feb 2024

Data Intern - BRI Management
Information System

PT Bank Rakyat Indonesia Tbk

Jan 2025 - July 2025

Regional Data Analyst Internship
Badan Pusat Statistik Provinsi Riau

Oct 2024 - Dec 2024

Jan 2024 - Feb 2024

Work Experience 1

Badan Pusat Statistik Provinsi Riau

Regional Data Analyst Internship

- Organized and archived census data efficiently, ensuring accessibility and data integrity for regional economic analysis.
- Managed large-scale census datasets using MySQL, supporting database structuring and maintenance.
- Performed statistical analysis using Excel, SPSS, GeoDa, and R to identify patterns and support policy-related insights.
- Contributed to a published statistical journal titled “Hubungan Tenaga Kerja Formal dan Pengeluaran Perkapita Terhadap Kemiskinan: Studi Kasus Pulau Sumatera Perspektif 2019-2022”.
- Developed short-form video content to support the agency's digital branding efforts, integrating data visualizations and digital marketing concepts.



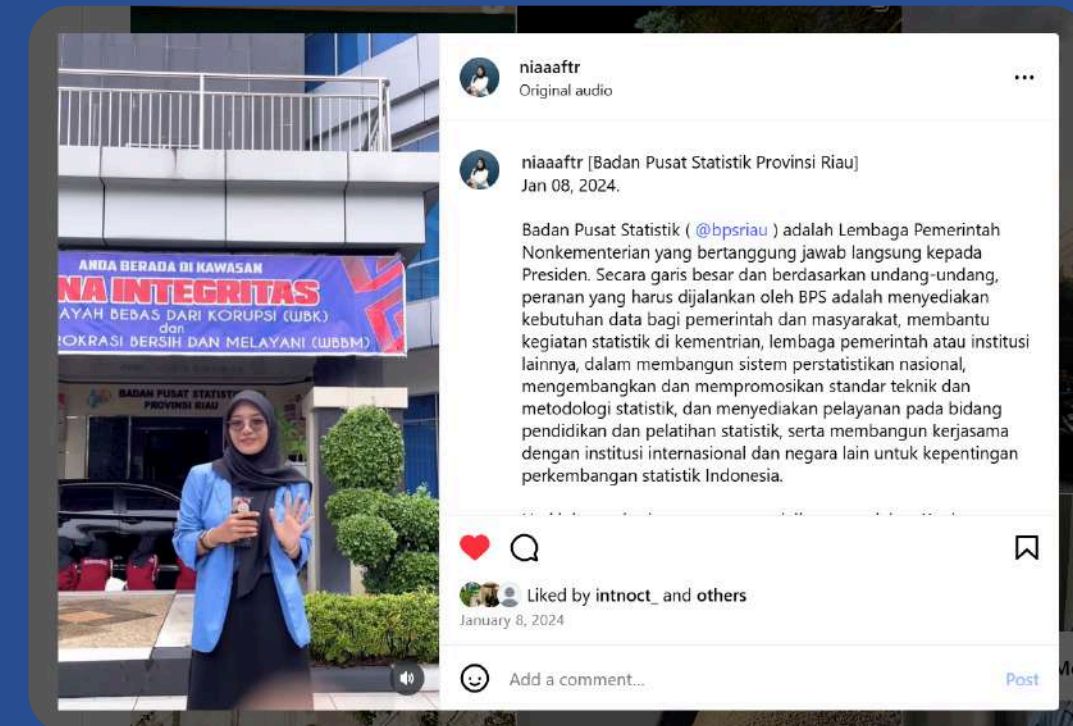
Oct 2024 - Dec 2024

Work Experience 2

Badan Pusat Statistik Provinsi Riau

Regional Data Analyst Internship

- Organized and archived regional census data to ensure accessibility, consistency, and data integrity.
- Structured census datasets into a relational database using MySQL to support efficient querying and reporting.
- Conducted statistical data analysis using Excel, SPSS, GeoDa, and R to extract trends and generate insights for regional development.



Jan 2025 - July 2025

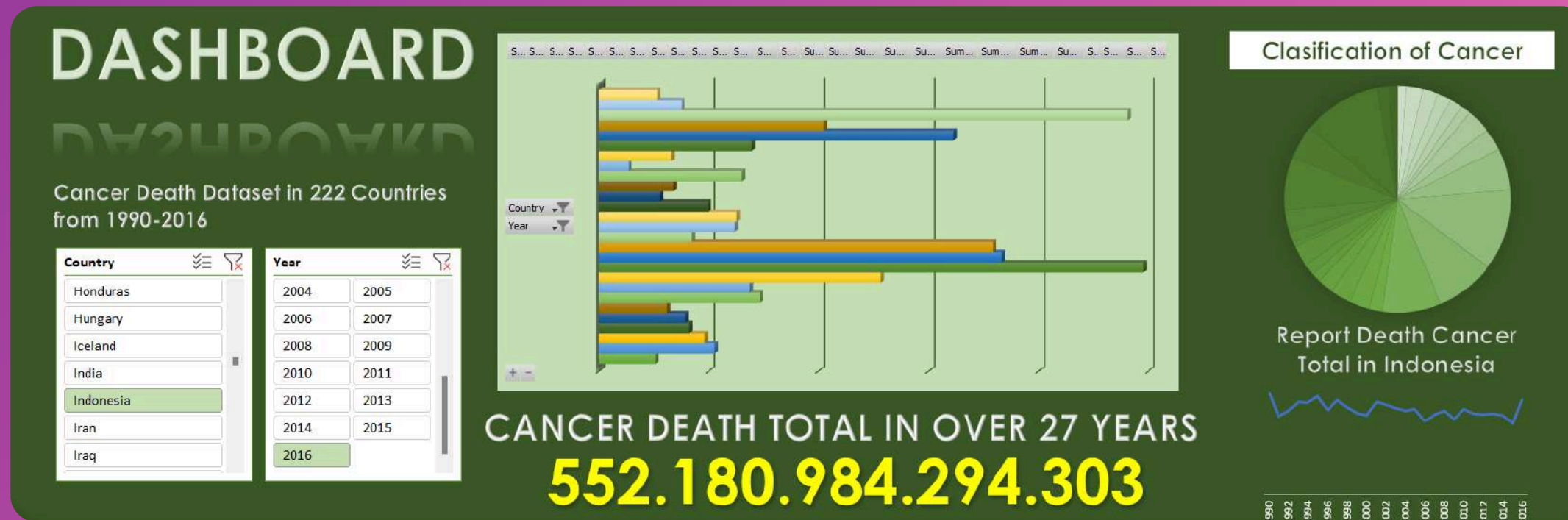
Work Experience 3

PT Bank Rakyat Indonesia (Persero) Tbk

Data Intern - BRI Management Information System

- Cleaned and preprocessed large customer dataset using Microsoft Excel ensuring structured categorization, compliance, and data security in MySQL database.
- Protected sensitive information by applying data protection standards and preventing unauthorized access or digital threats.
- Analyzed financial data and business performance using Python, SPSS and R, transforming raw datasets into meaningful reports using Power BI that supported strategic decision-making and improved operational efficiency.
- Supported real-time monitoring of branch and employee performance in dashboard using Power BI, enabling accurate and timely management reporting.

TECHNICAL SKILL



JOB	YES	NO	SUCCESS	FAILURE	UNKNOWN	OTHER	SUCCESS DEPO	RATA SALDO DEPO YES	RATA SALDO
admin	631	703	124	185	945	70	122	1437.283677	1195.866567
technician	840	983	157	209	1377	81	138	1838.152381	1453.390565
services	389	554	62	99	726	36	59	1112.344175	1380.204767
management	1301	1265	293	293	1840	141	266	2140.707917	1495.597038
retired	516	262	135	73	534	30	125	2690.627907	2395.091731
blue-collar	708	1236	90	190	1573	91	85	1275.420904	1333.188786
unemployed	202	155	52	35	259	11	50	1334.257426	1623.955182
entrepreneur	123	205	12	35	275	6	9	1818.97561	1396.810976
housemaid	109	165	22	21	222	9	17	1793.486239	1717.248175
unknown	34	36	10	8	51	1	9	2232.882553	1454.914286
self-employed	187	218	38	38	307	22	36	2351.807487	1514.898765
student	269	91	67	43	217	33	62	1488.739777	1294.672222

MARITAL	YES	MONTH	DEPO YES
single	1912	jan	142
married	2755	feb	441
divorced	622	mar	248
		apr	577
		may	925
		jun	546
		jul	627
		aug	608
		sep	269
		oct	323
		nov	403
		dec	100

AGE	YES
18	7
19	11
20	15
21	22
22	40
23	44
24	68
25	113
26	134
27	141

Country	TOTAL	Code	Year	Liver cancer	Kidney cancer	Larynx cancer	Breast ca
1 Afghanistan	90575061222	AFG	1990	243663710	3947049458	1093342068	7665
2 Albania	108585105750	ALB	1991	2612418244	4137602368	1173117195	8232
3 Algeria	109127926558	ALG	1992	2844436305	4410631476	1280716342	9010
4 American Samoa	85545937833	AFG	1993	313138619	4743485408	1414259241	9944
5 Andean Latin Amer	25385298879	AFG	1994	3432297147	507109514	1552540604	1079
6 Andorra	88600497238	AFG	1995	3719291025	5381093164	1684817602	1186
7 Angola	67692897812	AFG	1996	3900974044	5532640674	1760872675	1245
8 Antigua and Barbud	89129046530	AFG	1997	4044757917	5447960853	1818412552	1309
9 Argentina	85386046485	AFG	1998	4164084335	5730779247	1869508447	1349
10 Armenia	89277918408	AFG	1999	4280799862	5825550526	1912252922	1408
11 Australia	96151434949	AFG	2000	4433184359	5989916402	2010986277	1438
12 Austria	31621359621	AFG	2001	4609999939	62063296	2106311252	1569
13 Austria	10215787837	AFG	2002	4811475707	6494231851	219677004	1628
14 Azerbaijan	66618131478	AFG	2003	5057941129	7161839948	226713197	1711
15 Bahamas	82034981199	AFG	2004	5304587182	7681898426	240056506	180
16 Bahrain	85049835341	AFG	2005	5538623598	8047715105	2494811084	1892
17 Bangladesh	8557232923	AFG	2006	5757239829	8361601156	2571229794	1972
18 Barbados	90632211846	AFG	2007	5957871057	8665185217	261180507	2037
19 Belarus	92546743409	AFG	2008	6164909269	8916901078	2694484273	2108
20 Belgium	87849120567	AFG	2009	6376347534	9188705926	2748613966	2165
21 Belize	28409157964	AFG	2010	6605709613	9189595773	2816662098	223
22 Benin	92615841449	AFG	2011	6821291077	9406490038	288172677	2293
23 Bermuda	100984914549	AFG	2012	7084410392	9852885104	2962184558	2359
24 Bhutan	5590509457	AFG	2013	7402603875	108754083	3059783869	2440
25 Bolivia	88574688772	AFG	2014	7739070149	1154654717	316907396	2529
26 Bosnia and Herzego	87291359933	AFG	2015	803595993	121599743	3283937018	261
27 Botswana	103247081524	AFG	2016	8387359933	1278621519	3410441133	2709
28 Brazil	70505732419	ALB	1990	2286904574	307969154	629961346	1032
29 Brunei	75016788374	ALB	1991	236803972	3167876495	6354820548	1066
30 Bulgaria	79882884579	ALB	1992	242698207	3159762361	636224453	1093
31 Burkina Faso	71543196555	ALB	1993	2502380557	3178949019	627189786	1120

Microsoft Excel

All done. We made 5936 replacements.

Country	Code	Year	Liver cancer	Kidney cancer	Larynx cancer	Breast ca
1 Afghanistan	AFG	1990	243663710	3947049458	1093342068	7665
2 Albania	ALB	1991	2612418244	4137602368	1173117195	8232
3 Algeria	DZA	1992	2844436305	4410631476	1280716342	9010
4 American Samoa	ASM	1993	313138619	4743485408	1414259241	9944
5 Andean Latin Amer	AR	1994	3432297147	507109514	1552540604	1079
6 Andorra	AND	1995	3719291025	5381093164	1684817602	1186
7 Angola	AGO	1996	3900974044	5532640674	1760872675	1245
8 Antigua and Barbud	ATG	1997	4044757917	5447960853	1818412552	1309
9 Argentina	ARG	1998	4164084335	5730779247	1869508447	1349
10 Armenia	ARM	1999	4280799862	5825550526	1912252922	1408
11 Australia	AUS	2000	4433184359	5989916402	2010986277	1438
12 Austria	AUT	2001	4609999939	62063296	2106311252	1569
13 Austria	AUT	2002	4811475707	6494231851	219677004	1628
14 Azerbaijan	AZE	2003	5057941129	7161839948	226713197	1711
15 Bahamas	BSM	2004	5304587182	7681898426	240056506	180
16 Bahrain	BHR	2005	5538623598	8047715105	2494811084	1892
17 Bangladesh	BGD	2006	5757239829	8361601156	2571229794	1972
18 Barbados	BBM	2007	5957871057	8665185217	261180507	2037
19 Belarus	BLR	2008	6164909269	8916901078	2694484273	2108
20 Belgium	BEL	2009	6376347534	9188705926	2748613966	2165
21 Belize	BZL	2010	6605709613	9189595773	2816662098	223
22 Benin	BEN	2011	6821291077	9406490038	288172677	2293
23 Bermuda	BER	2012	7084410392	9852885104	2962184558	2359
24 Bhutan	BUT	2013	7402603875	108754083	3059783869	2440
25 Bolivia	BOL	2014	7739070149	1154654717	316907396	2529
26 Bosnia and Herzego	BOS	2015	803595993	121599743	3283937018	261
27 Botswana	BWA	2016	8387359933	1278621519	3410441133	2709
28 Brazil	BRA	1990	2286904574	307969154	629961346	1032
29 Brunei	BRU	1991	236803972	3167876495	6354820548	1066
30 Bulgaria	BUL	1992	242698207	3159762361	636224453	1093
31 Burkina Faso	BFN	1993	2502380557	3178949019	627189786	1120

TECHNICAL SKILL



```
367
368 ##join table
369 • CREATE OR REPLACE VIEW transactions_full AS
370 SELECT t.id AS transaction_id,
371        t.client_id,
372        t.card_id,
373        t.amount,
374        t.date,
375        t.at,
376        t.client_status,
377        t.card_status,
378        u.current_age,
379        u.gender,
380        u.credit_score,
381        c.card_type,
382        c.credit_limit,
383        t.merchant_id,
384        t.merchant_city,
385        t.merchant_state
386 FROM transactions_data t
387 LEFT JOIN users_data u ON t.client_id = u.id
388 LEFT JOIN cards_data c ON t.card_id = c.id;
389
390 ##analyse data
```

```
391 ###total transactions complete
392 • SELECT COUNT(*) AS total_complete
393 FROM transactions_full WHERE client_status='COMPLETE' AND card_status='COMPLETE';
394
395 ###total transactions INCOMPLETE
396 • SELECT COUNT(*) AS total_incomplete
397 FROM transactions_full WHERE client_status='INCOMPLETE' OR card_status='INCOMPLETE';
398
399 ###total and mean amount
400 • SELECT
401     SUM(amount) AS total_amount,
402     AVG(amount) AS avg_amount,
403     MIN(amount) AS min_amount,
404     MAX(amount) AS max_amount
405 FROM transactions_full
406 WHERE client_status='COMPLETE' AND card_status='COMPLETE';
407
408 ###total transactions per gender
409 • SELECT gender, COUNT(*) AS num_transactions, SUM(amount) AS total_amount
410 FROM transactions_full
411 WHERE client_status='complete' AND card_status='complete'
412 GROUP BY gender;
413
414 ###total transactions per age group
```

```
415 • SELECT
416     CASE
417         WHEN current_age < 25 THEN '<25'
418         WHEN current_age BETWEEN 25 AND 34 THEN '25-34'
419         WHEN current_age BETWEEN 35 AND 44 THEN '35-44'
420         WHEN current_age BETWEEN 45 AND 54 THEN '45-54'
421         ELSE '55+'
422     END AS age_group,
423     COUNT(*) AS num_transactions,
424     SUM(amount) AS total_amount
425 FROM transactions_full
426 WHERE client_status='complete' AND card_status='complete'
427 GROUP BY age_group;
428
429 ###total transactions per card type
430 • SELECT card_type, COUNT(*) AS num_transactions, SUM(amount) AS total_amount
431 FROM transactions_full
432 WHERE card_status='complete'
433 GROUP BY card_type;
434
435 ###credit limit mean per card type
436 • SELECT card_type, AVG(credit_limit) AS avg_credit_limit
437 FROM transactions_full
438 WHERE card_status='complete'
```


TECHNICAL SKILL



```
Untitled0.ipynb
File Edit View Insert Runtime Tools Help

Commands + Code + Text Run all

import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from wordcloud import WordCloud, STOPWORDS

# Load Data
file_path = "tiktok_reviews.csv"
df = pd.read_csv(file_path)

# Data Cleaning
# Hapus Duplikat
df = df.drop_duplicates()

# Hapus Baris Tanpa Rating
df = df.dropna(subset=['score'])

# Isi Teks Kosong Jadi String Kosong
df['content'] = df['content'].fillna("")

# Normalisasi appVersion
df['appVersion'] = df['appVersion'].fillna("Unknown").astype(str).str.strip()

# Pastikan kolom tanggal jadi datetime
df['at'] = pd.to_datetime(df['at'], errors='coerce')

print("Setelah cleaning, jumlah data:", len(df))

# Analisis Rating
plt.figure(figsize=(7,5))
sns.countplot(data=df, x='score', palette='viridis')
plt.title("Distribusi Rating")
plt.xlabel("Rating")
plt.ylabel("Jumlah Review")
plt.show()

print("Rata-rata rating:", df['score'].mean())

# Tren Rating Per Bulan
df['month'] = df['at'].dt.to_period('M')
trend = df.groupby('month')['score'].mean()
plt.figure(figsize=(12,5))
trend.plot(marker='o')
plt.title("Tren Rata-rata Rating per Bulan")
plt.xlabel("Bulan")
plt.ylabel("Rata-rata Rating")
plt.show()

# Analisis Review Text
df['review_length'] = df['content'].astype(str).apply(len)
print("Panjang rata-rata review:", df['review_length'].mean())

text = " ".join(df['content'].dropna().astype(str))
stopwords = set(STOPWORDS)
wordcloud = WordCloud(width=1000, height=600, background_color='white', stopwords=stopwords).generate(text)
```

```
Untitled0.ipynb
File Edit View Insert Runtime Tools Help

Commands + Code + Text Run all

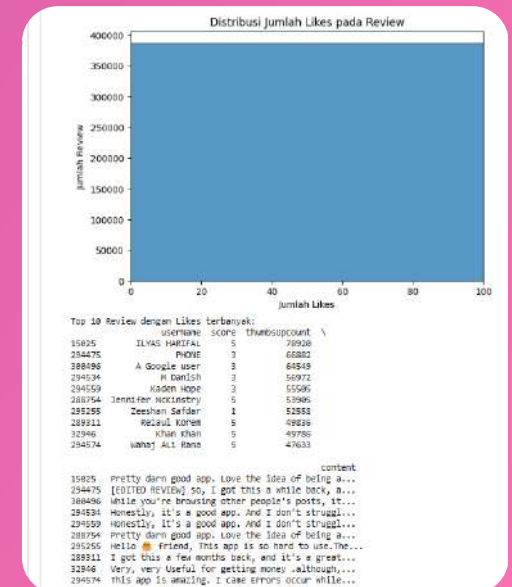
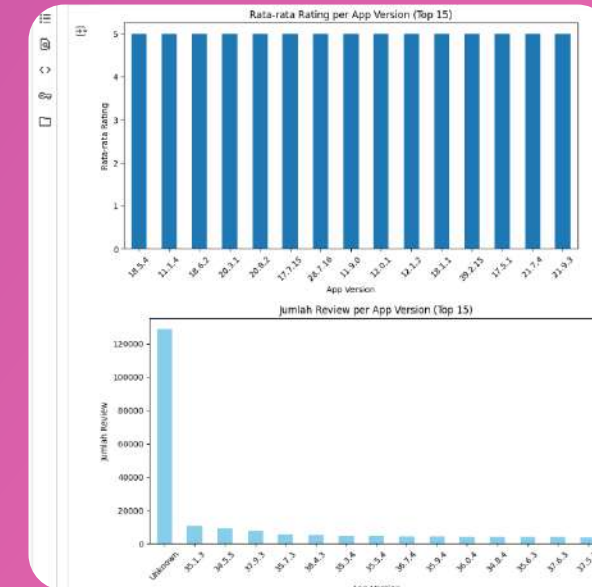
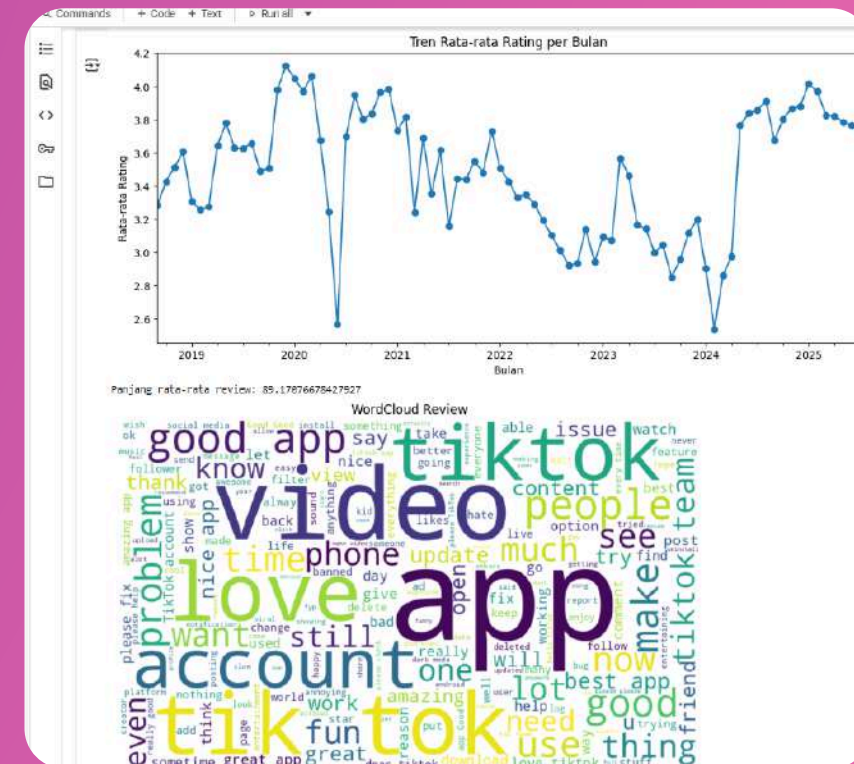
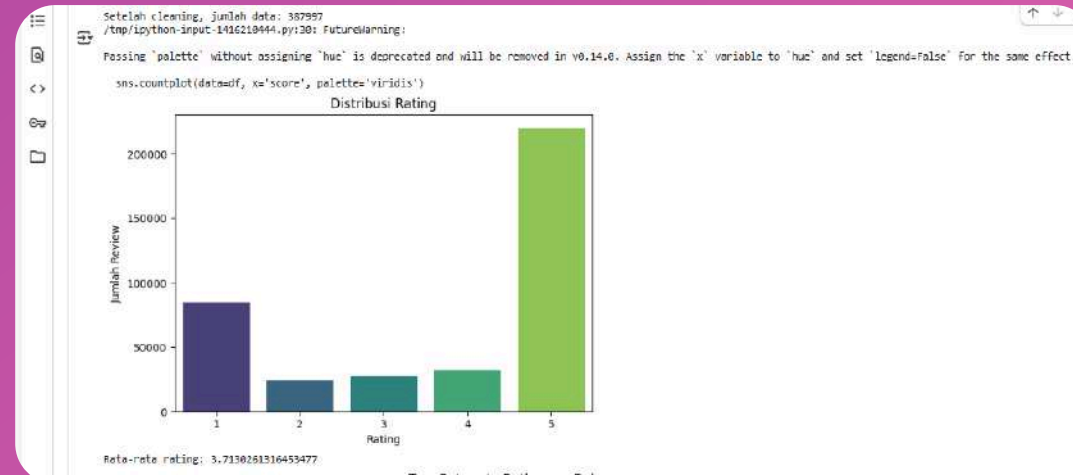
plt.figure(figsize=(12,6))
plt.imshow(wordcloud, interpolation='bilinear')
plt.axis("off")
plt.title("WordCloud Review")
plt.show()

# Analisis Berdasarkan Versi Aplikasi
plt.figure(figsize=(10,5))
version_mean = df.groupby('appVersion')['score'].mean().dropna().sort_values(ascending=False).head(15)
version_mean.plot(kind='bar')
plt.title("Rata-rata Rating per App Version (Top 15)")
plt.xlabel("App Version")
plt.ylabel("Rata-rata Rating")
plt.xticks(rotation=45)
plt.show()

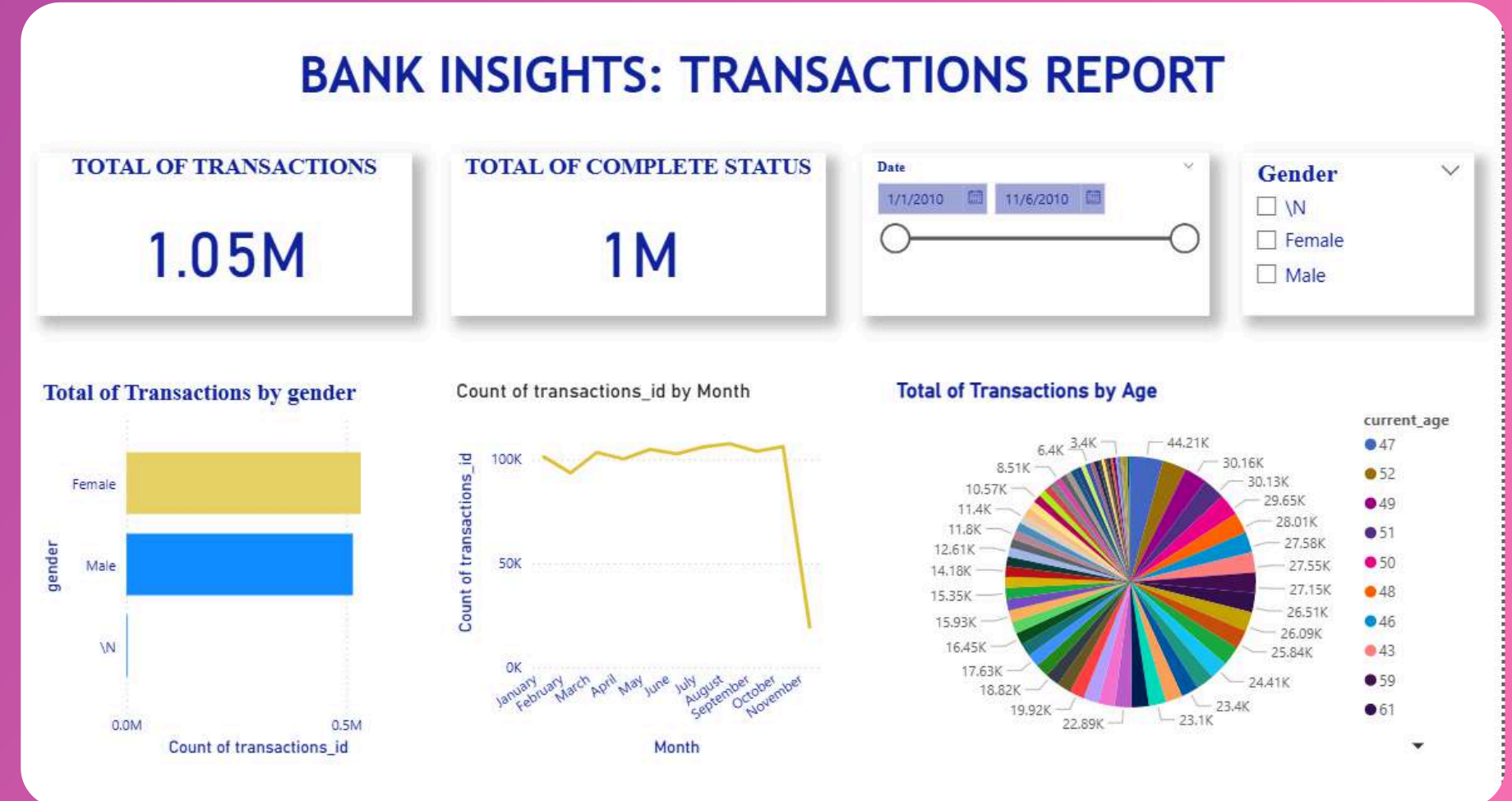
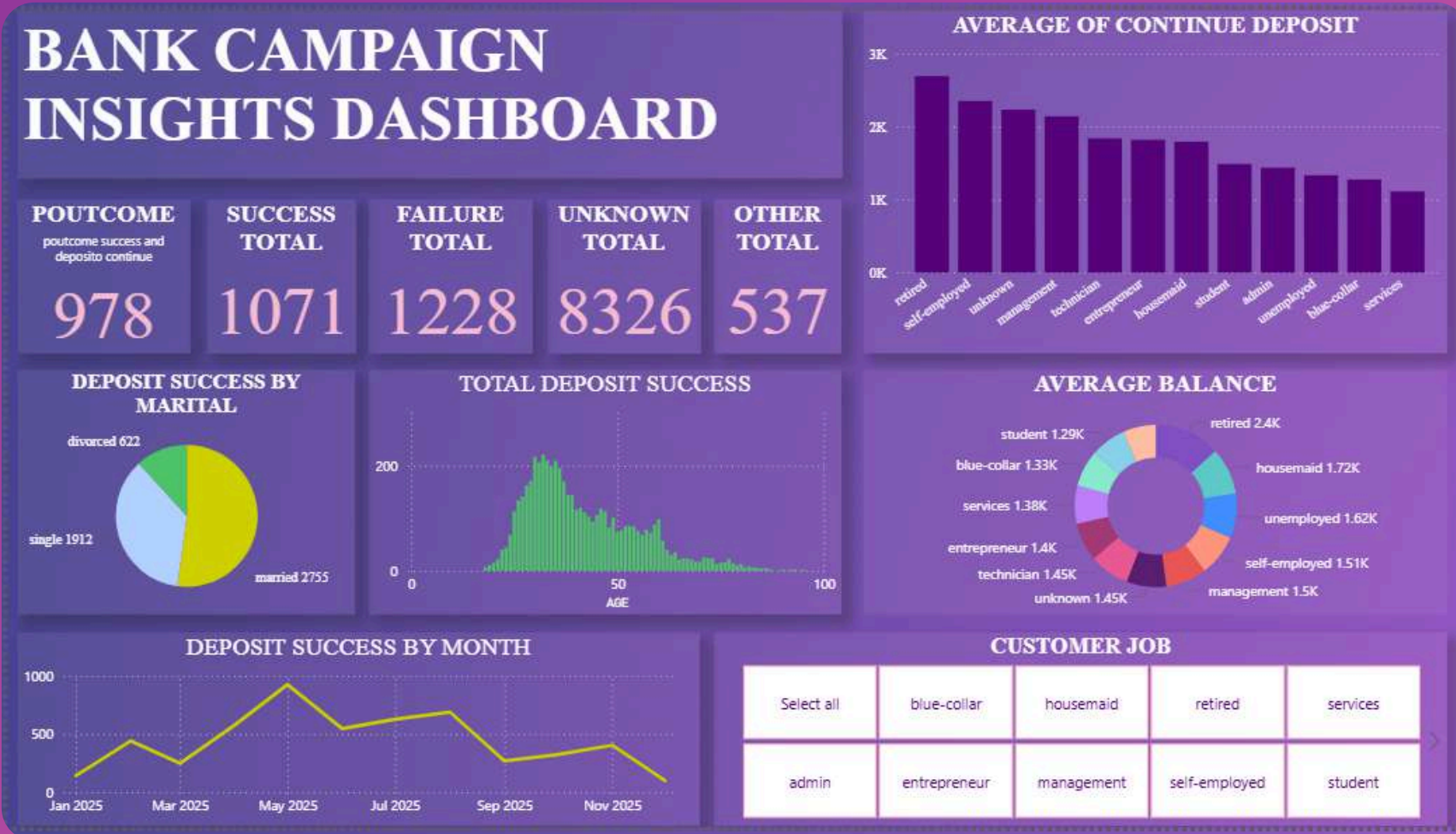
plt.figure(figsize=(10,5))
version_count = df['appVersion'].value_counts().head(15)
version_count.plot(kind='bar', color='skyblue')
plt.title("Jumlah Review per App Version (Top 15)")
plt.xlabel("App Version")
plt.ylabel("Jumlah Review")
plt.xticks(rotation=45)
plt.show()

# Analisis Engagement
plt.figure(figsize=(7,5))
sns.histplot(df['thumbsUpCount'], bins=50, kde=False)
plt.title("Distribusi Jumlah Likes pada Review")
plt.xlabel("Jumlah Likes")
plt.ylabel("Jumlah Review")
plt.xlim(0, 100)
plt.show()

top_reviews = df.sort_values(by='thumbsUpCount', ascending=False).head(10)
print("Top 10 Review dengan Likes terbanyak:")
print(top_reviews[['userName', 'score', 'thumbsUpCount', 'content']])
```



TECHNICAL SKILL



Jan 2024 - Nov 2024

Organizational Experience

Himpunan Mahasiswa Jurusan Matematika

President

- Led 80+ members across 6 departments, overseeing planning, execution, and evaluation of academic and non-academic programs.
- Identified organizational risks and operational challenges, and implemented proactive solutions to prevent disruptions.
- Analyzed issues across divisions and facilitated data-driven decision-making to improve collaboration and program outcomes.
- Promoted a culture of structured teamwork, clear communication, and continuous improvement within the organization.



15 July 2023- 21 July 2023

Volunteer Experience

SUN Inspires Society Batch 4 - Karimunjawa

Education Division

- Supported health campaigns by promoting dental care and raising awareness about stunting prevention in collaboration with medical professionals.
- Facilitated a nationwide book donation initiative and helped build mini-libraries to improve literacy access in local elementary schools.
- Led the design and implementation of a student math competition to foster critical thinking and problem-solving in a creative context.
- Contributed to the development of Batu Merah Beach as a tourist destination to increase local economic potential.
- Produced and appeared in promotional videos for Black Stone Beach, enhancing community branding through creative digital content.



Certifications



Let's Connect!



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<https://www.linkedin.com/in/niaaaftr>



Nia Fitria

Data Analyst Enthusiast