



PORTOFOLIO

AMALAN FADIL GAIB

ABOUT ME

I am a 6th semester student majoring in Industrial Engineering with a strong interest in Data Analytics and Supply Chain. I have basic knowledge in data analysis and machine learning, basic ability to use programming languages such as Python, as well tools such as SQL and Excel, and also able to create data visualizations using Power BI, Looker Studio, Tableau and Excel. Additionally, well-versed in basic machine learning using TensorFlow and Scikit-Learn, enhancing analytical capabilities. I have experience in small projects related to data analysis and information presentation. Have good communication skills, able to work together in a team, and adaptable to new things and enthusiastic to learn and grow in a professional environment. I gained data analysis skills after attending several online courses and classes and taking data analytics courses on campus



EDUCATION

2018 - 2021

SMA NEGERI 1 GORONTALO
SCIENCE

2021 - NOW

UNIVERSITAS NEGERI GORONTALO
INDUSTRIAL ENGINEERING MAJOR

EXPERIENCE

- Bangkit Academy by Google, Goto & Traveloka
Machine Learning Cohort

Aug 2023 – Dec 2023

- Braincore.id

Machine Learning Engineer

Feb 2024 – Now

CERTIFICATION

Deep Learning AI Tensorflow Developer



4 Courses

- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning
- Convolutional Neural Networks in TensorFlow
- Natural Language Processing in TensorFlow
- Sequences, Time Series and Prediction



Oct 17, 2023

Amalan Fadil Gaib

has successfully completed the online, non-credit Professional Certificate

DeepLearning.AI TensorFlow Developer

Congratulations! You have completed all 4 courses of the DeepLearning.AI TensorFlow Developer Professional Certificate program. As part of this Professional Certificate program, you have learned how to build and train neural networks using TensorFlow, how to improve network performance using convolutions as you train it to identify real-world images, how to teach machines to understand, analyze, and respond to human speech with natural language processing systems, and more! These, and other TensorFlow concepts, are going to be at the forefront of the coming transformation to an AI-powered future.

Laurence Moroney
Lead AI Advocate
Google

Andrew Ng
Founder
DeepLearning.AI

Verify this certificate at:
<https://coursera.org/verify/professional/certificate/DOLV8C67F>

The online operational names on this certificate may show an affiliation that is not taught on campus, but the included courses are not equivalent to on-campus courses. Participation in this online operational activity does not constitute enrollment at this university. This certificate does not confer a university-grade course credit or degree, and it does not verify the identity of the signer.

Google Data Analytics



8 Courses

- Foundations: Data, Data, Everywhere
- Ask Questions to Make Data-Driven Decisions
- Prepare Data for Exploration
- Process Data from Dirty to Clean
- Analyze Data to Answer Questions
- Share Data Through the Art of Visualization
- Data Analysis with R Programming
- Google Data Analytics Capstone: Complete a Case Study



Aug 31, 2023

Amalan Fadil Gaib

has successfully completed the online, non-credit Professional Certificate

Google Data Analytics

Those who earn the Google Data Analytics Professional Certificate have completed eight courses, developed by Google, that include hands-on, practice-based assessments and are designed to prepare them for introductory-level roles in Data Analytics. They are competent in tools and platforms including spreadsheets, SQL, Tableau, and R. They know how to prepare, process, analyze, and share data for thoughtful action.

Verify this certificate at:
<https://coursera.org/verify/professional/certificate/DOLV8C67F>

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Google Advanced Data Analytics



7 Courses

- Foundations of Data Science
- Get Started with Python
- Go Beyond the Numbers: Translate Data into Insights
- The Power of Statistics
- Regression Analysis: Simplify Complex Data Relationships
- The Nuts and Bolts of Machine Learning
- Google Advanced Data Analytics Capstone



Feb 17, 2024

Amalan Fadil Gaib

has successfully completed the online, non-credit Professional Certificate

Google Advanced Data Analytics

Those who earn the Google Advanced Data Analytics Certificate have completed seven courses that include hands-on, practice-based assessments and are designed to prepare them for advanced roles in data analytics and entry-level roles in data science. They are competent in exploring large datasets, applying data analysis techniques, and building models to extract insights. They are also competent in machine learning, predictive modeling, and statistics.

No online professional certificate or this certificate may show an invalid from course audit or website. For the awarded course are not dependent to an online course. Participation in this online professional does not guarantee employment or the university. This certificate does not confer a university grade course credit or degree and it does not verify the identity of the learner.

Verify this certificate at:
<https://coursera.org/verify/advanceddataanalytics>
[@sac027YPAWPAW04](https://www.linkedin.com/company/coursera)



Amalan Braghy
Global Director of
Google Career
Certificates

Google Business Intelligence



3 Courses

- Foundations of Business Intelligence
- The Path to Insights: Data Models and Pipelines
- Decisions, Decisions: Dashboards and Reports



Feb 25, 2024

Amalan Fadil Gaib

has successfully completed the online, non-credit Professional Certificate

Google Business Intelligence

Those who earn the Google Business Intelligence Certificate have completed three courses that include hands-on, practice-based assessments and are designed to prepare them for entry-level roles in business intelligence. They are competent in creating processes that transform data into actionable insights to inform business decisions, developing data visualizations, and building dashboards that employ design best practices to meet stakeholder needs.

No online professional certificate or this certificate may show an invalid from course audit or website. For the awarded course are not dependent to an online course. Participation in this online professional does not guarantee employment or the university. This certificate does not confer a university grade course credit or degree and it does not verify the identity of the learner.

Verify this certificate at:
<https://coursera.org/verify/businessintelligence>
[@sac027YPAWPAW04](https://www.linkedin.com/company/coursera)



Amalan Braghy
Global Director of
Google Career
Certificates

IBM Data Analyst



9 Courses

- Introduction to Data Analytics
- Excel Basics for Data Analysis
- Data Visualization and Dashboards with Excel and Cognos
- Python for Data Science, AI & Development
- Python Project for Data Science
- Databases and SQL for Data Science with Python
- Data Analysis with Python
- Data Visualization with Python
- IBM Data Analyst Capstone Project



Mar 3, 2024

Amalan Fadil Gaib

has successfully completed the online, non-credit Professional Certificate



Rav Ahuja, Program Director, IBM Skills Network


IBM Data Analyst

This IBM Professional Certificate is earned after successfully completing 9 courses on various topics in Data Analytics. The learner understands the core principles of data analysis and has worked hands-on with a variety of data sources, project scenarios, and data analysis tools, including Excel, SQL, Relational Databases, Python, Jupyter Notebooks, and Cognos Analytics, gaining practical experience with data manipulation, data analysis, and data visualization. The earner of this Certificate has demonstrated proficiency in applying different analytical techniques by analyzing real-world datasets, creating visualizations & interactive dashboards, and presenting reports to share findings of data analysis, and is now equipped with skills for an entry-level role in data analytics.

The online operational content in this certificate may show or mention third parties' logos or names, but this included content is not subject to an ongoing course. Participation in this online operational does not constitute enrollment at this university. This certificate does not confer university grade, credit, credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:
<https://coursera.org/verify/professional/certificate/TH0A0K5U4L4M>

Unilever Supply Chain Data Analyst



4 Courses


- Supply Chain Management and Analytics
- Using Data Analytics in Supply Chain
- Implementing Supply Chain Analytics
- Supply Chain Software Tools



Mar 14, 2024

Amalan Fadil Gaib

has successfully completed the online, non-credit Professional Certificate



Unilever Supply Chain Data Analyst

With an expected growth rate of 18%, there hasn't been a better time to enter the field of supply chain analytics. In this program, you'll learn in-demand skills like data analysis, demand forecasting, and cost analysis to get job-ready in less than 4 months, with no prior experience needed to get started. This program is designed for entry-level professionals, business administration graduates and those with strong problem solving, time management, and organizational skills. You will learn the foundational skills employers seek for entry level supply chain analysts roles and get hands-on experience cleaning, filtering, sorting, and presenting data.

The online operational content in this certificate may show or mention third parties' logos or names, but this included content is not subject to an ongoing course. Participation in this online operational does not constitute enrollment at this university. This certificate does not confer university grade, credit, credit or degree, and it does not verify the identity of the learner.

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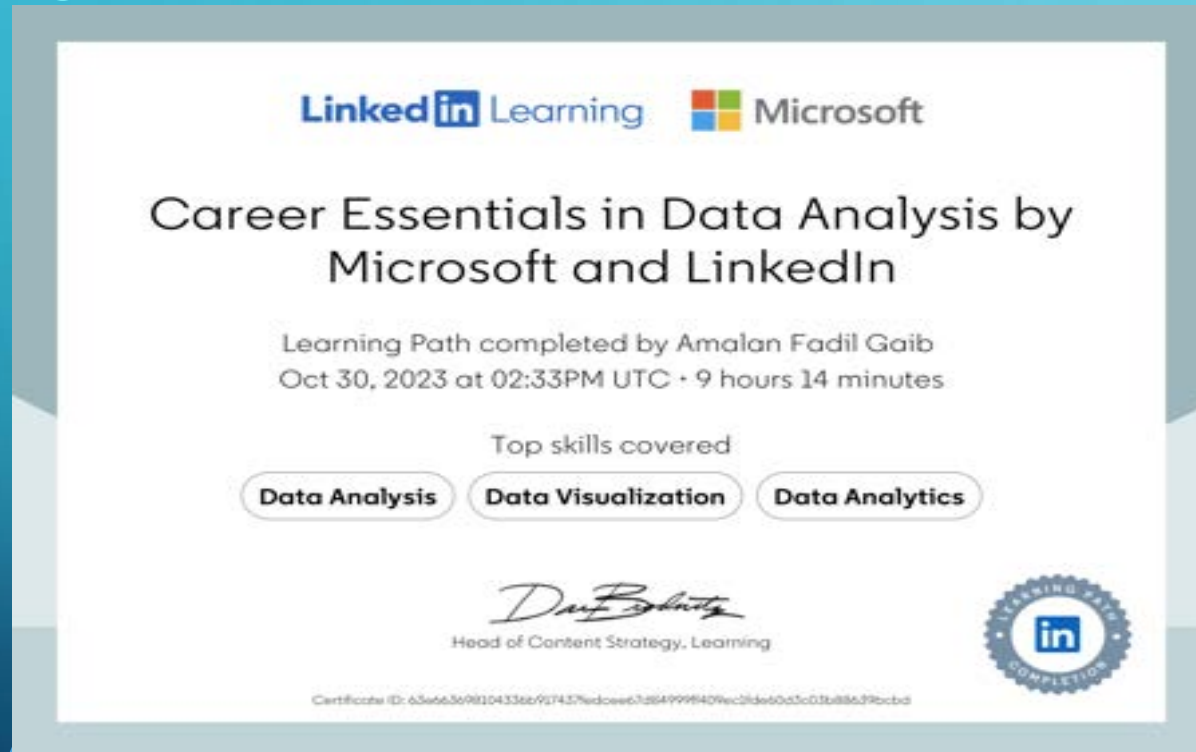
Machine Learning Specialization



Belajar Machine Learning Untuk Pemula



Career Essentials in Data Analysis by Microsoft and LinkedIn



Belajar Analisis Data Dengan Python



Microsoft Excel Intermediate II - Coursera



Microsoft Excel Intermediate I - Coursera



Microsoft Power BI MySkill



SKILLS

Soft Skills

- Teamwork
- Adaptability
- Communication
- Analytical Thinking
- Time Management
- Problem Solving
- Critical Thinking

General Skills

- Data Preparation
- Data Cleaning
- Data Visualization
- Machine Learning

Technical Skills

- Data Visualization : Microsoft Excel, PowerBI, Tableau, Looker Studio
- Programming Software : Python, SQL
- Software : Microsoft Excel, Microsoft PowerPoint, Microsoft Word

PROJECT 1

Cylistic Dataset Case Study

Tools : Microsoft Excel

[Github Link](#)

[Slide](#)

DATA ANALYTICS CYLISTIC CASE STUDY

AMALAN FADIL GAIB



PROJECT 2

Sales Dataset Case Study

Tools : BigQuery SQL, Python, Microsoft PowerBI

[Github Link](#)

[Slide](#)



DATA ANALYTICS CASE STUDY 2

AMALAN FADIL GAIB

PROJECT 3

Pizza Sales Dataset Case Study

Tools : Microsoft Power BI

[Github Link](#)

[Slide](#)



PROJECT 4

Cylistic Dataset Case Study

Tools : Microsoft Excel

[Github Link](#)

[Slide](#)

DATA ANALYTICS CASE STUDY 4

Bakery Sales Dataset

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PROJECT 5

Market Basket Analysis

Tools : Python

[Github](#)

Hitung nilai support, confidence, dan lift dari setiap pasangan produk yang mungkin

```
from mlxtend.frequent_patterns import association_rules
```

```
product_association = association_rules(frequent_itemset, metric='confidence', min_threshold=.7).sort_values(['support','confidence'], ascending=[False,False])  
product_association
```

[23]

Python

...

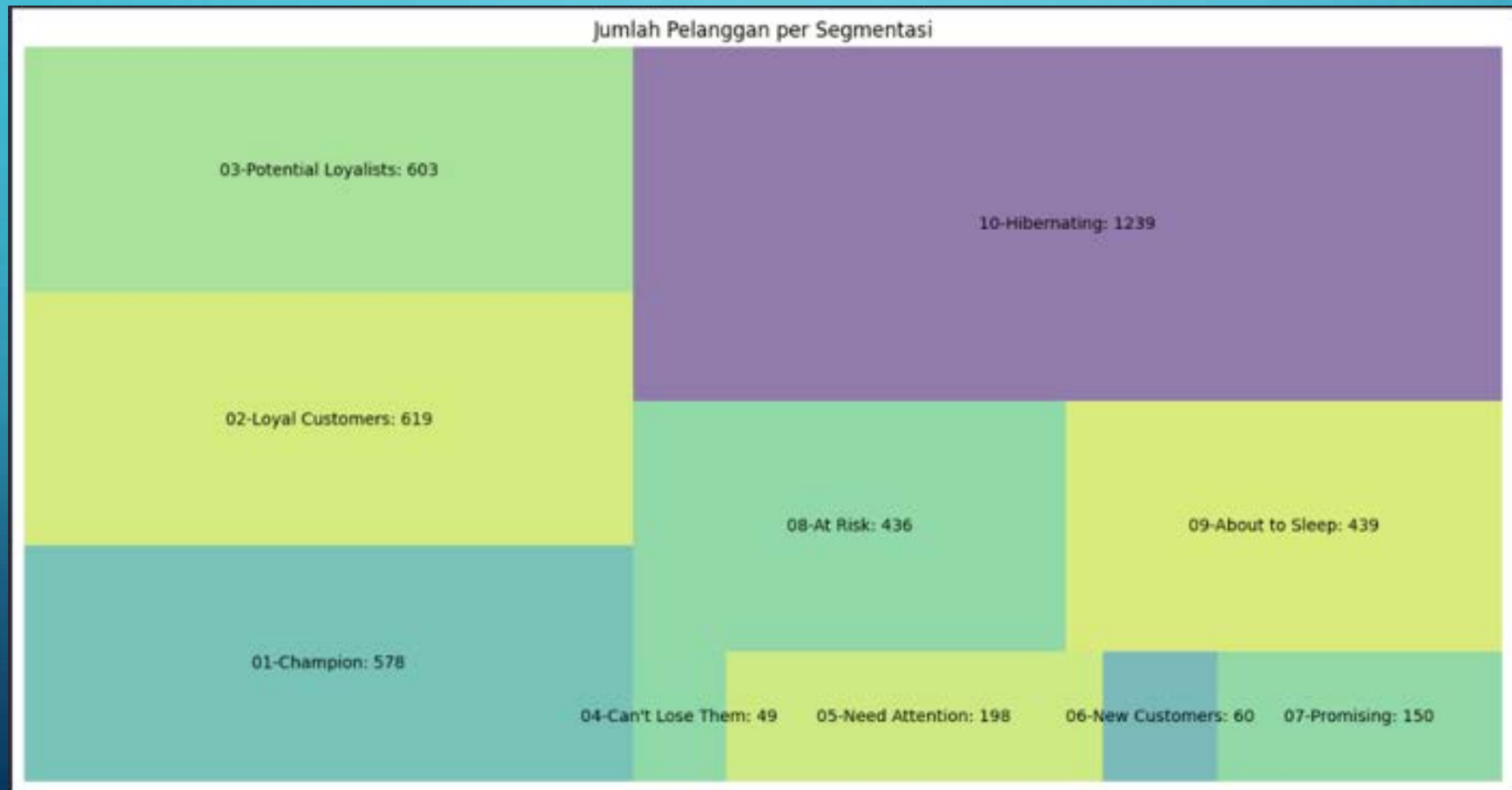
	antecedents	consequents	antecedent support	consequent support	support	confidence	lift	leverage	conviction	zhangs_metric
0	(green regency teacup and saucer)	(roses regency teacup and saucer)	0.038814	0.043986	0.029697	0.765110	17.394426	0.027990	4.070048	0.980570
1	(pink regency teacup and saucer)	(green regency teacup and saucer)	0.030870	0.038814	0.025112	0.813472	20.958065	0.023914	5.153024	0.982619
2	(gardeners kneeling pad cup of tea)	(gardeners kneeling pad keep calm)	0.034122	0.040840	0.024845	0.728125	17.828606	0.023452	3.527944	0.977257
3	(pink regency teacup and saucer)	(roses regency teacup and saucer)	0.030870	0.043986	0.024046	0.778929	17.708601	0.022688	4.324470	0.973585

PROJECT 6

RFM Analysis

Tools : Python

[Github](#)



PROJECT 7

Bank Churn Classification

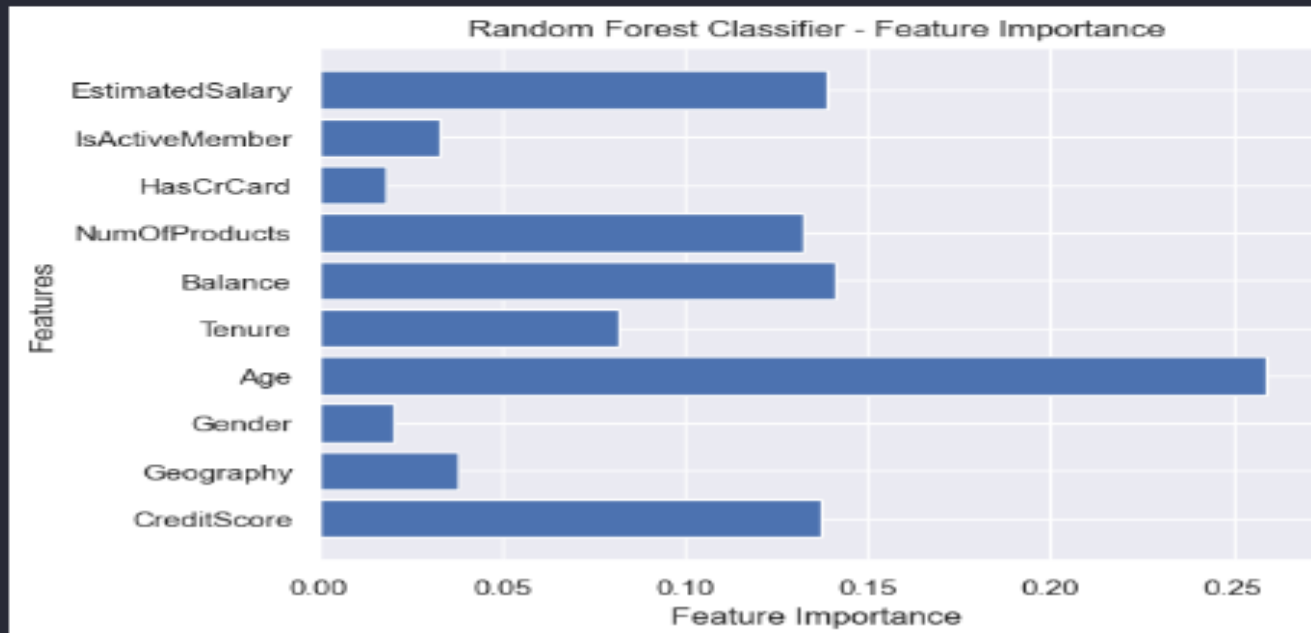
Tools : Python

[Github](#)

```
rf = RandomForestClassifier()  
rf = rf.fit(X_train,y_train)  
feature_importances_ = rf.feature_importances_  
features = X.columns  
  
plt.barh(features, feature_importances_)  
plt.xlabel('Feature Importance')  
plt.ylabel('Features')  
plt.title('Random Forest Classifier - Feature Importance')  
plt.show()
```

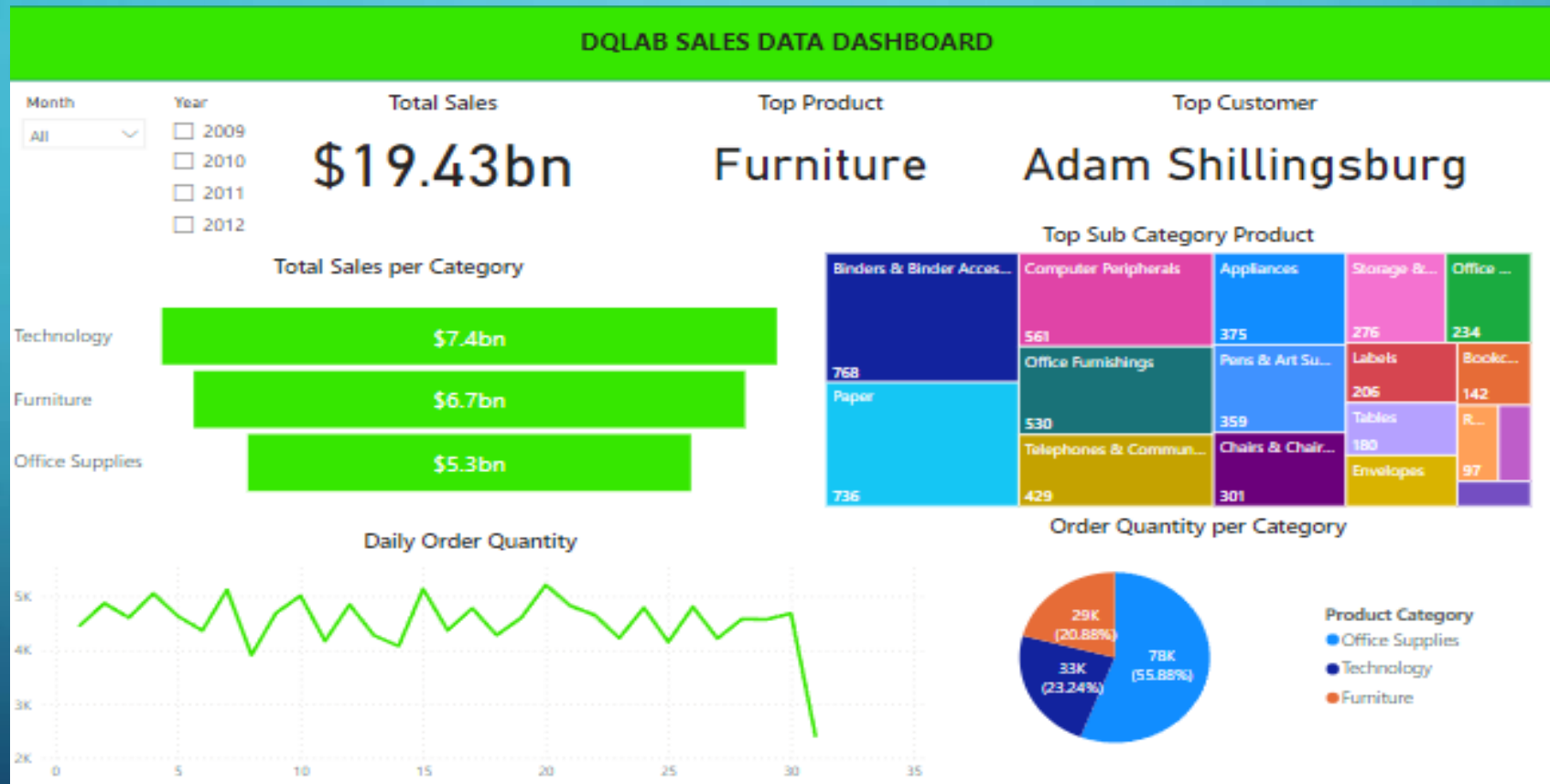
[49]

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DASHBOARD 1

DQLab Sales Data Dashboard Tools : PowerBI



DASHBOARD 2

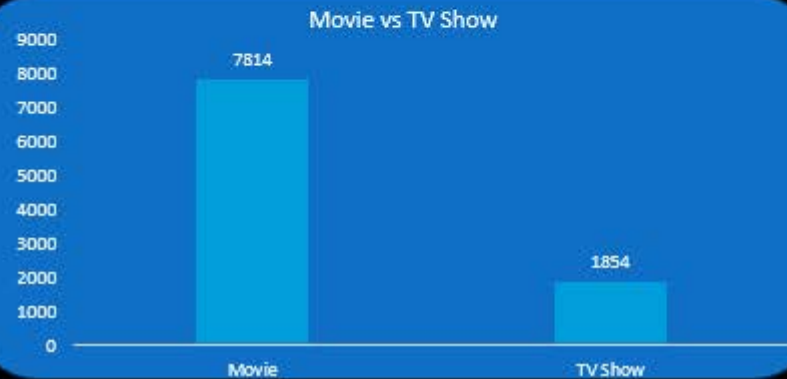
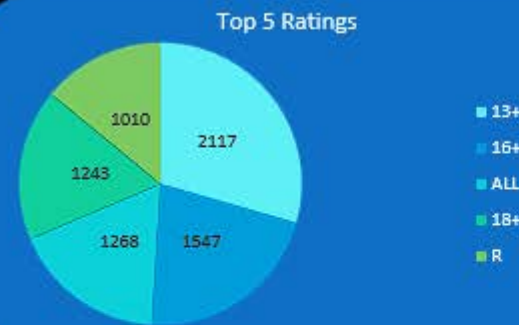
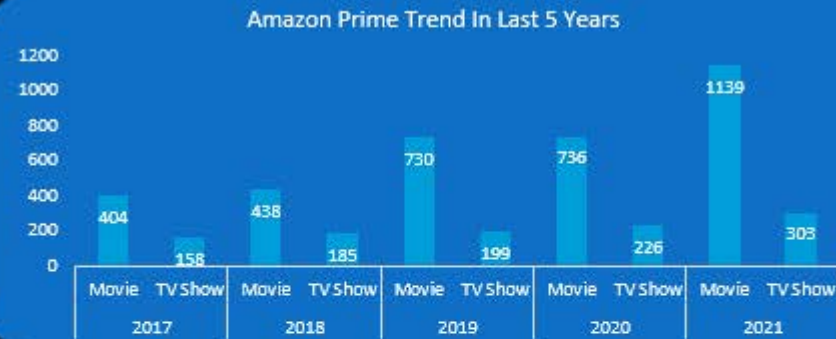
Customer Shopping Data Dashboard Tools : Microsoft Excel



DASHBOARD 3

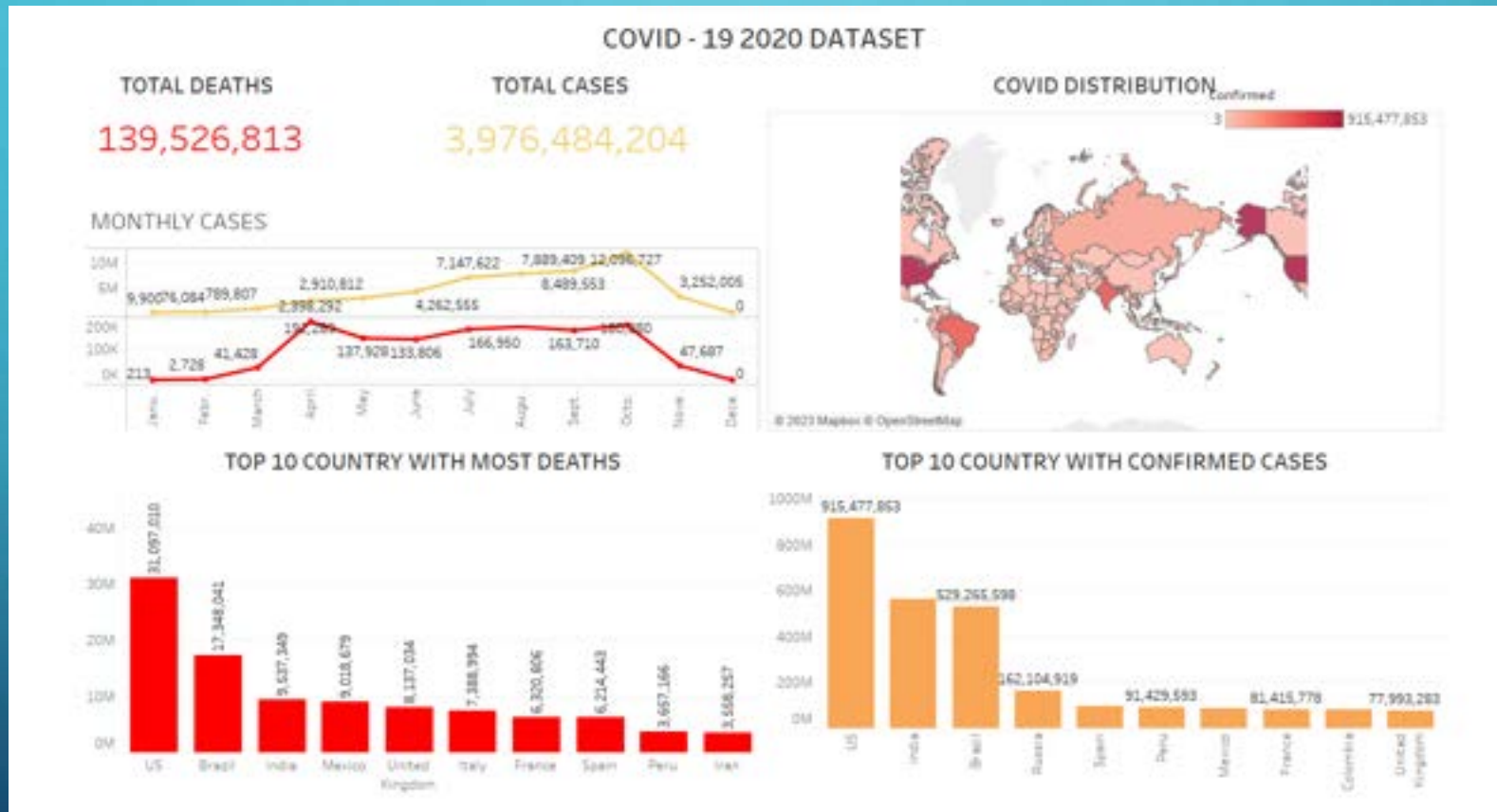
Amazon Prime Titles Dashboard Tools : Microsoft Excel

AMAZON PRIME TITLES DASHBOARD



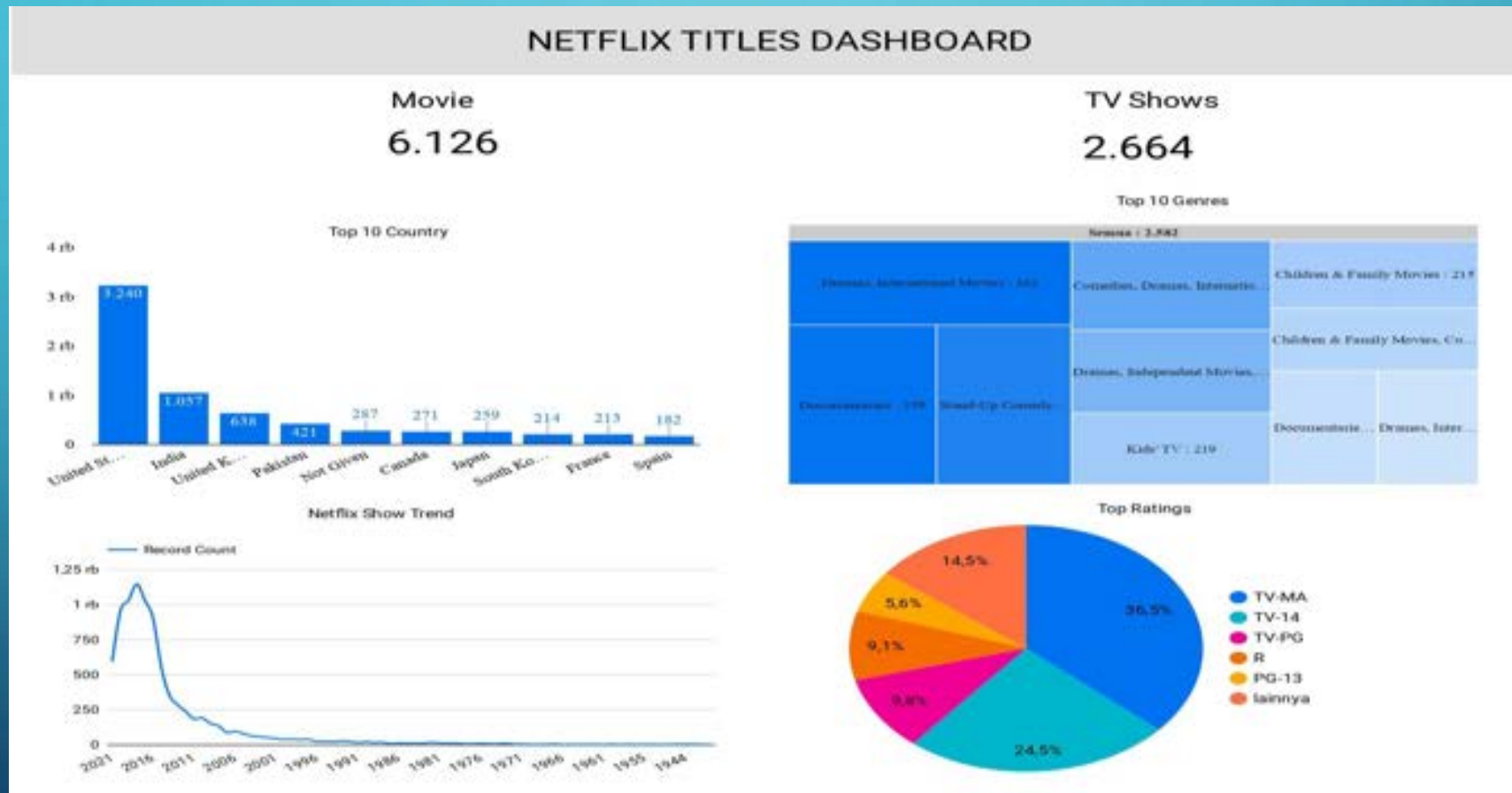
DASHBOARD 4

COVID – 19 2020 Worldwide Dataset Tools : Tableau



DASHBOARD 5

Netflix Titles Dashboard Tools : Looker Studio/Google Data Studio



MORE INFO

Contact

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Github : <https://github.com/amaldevice/Data-Analytic-Portofolio.git>

THANK YOU