PORTOFOLIO

BY: RYNO PAHLEVI AL GHIFFARI

RYNOPAHLEVIA@GMAIL.COM

Data Visualization

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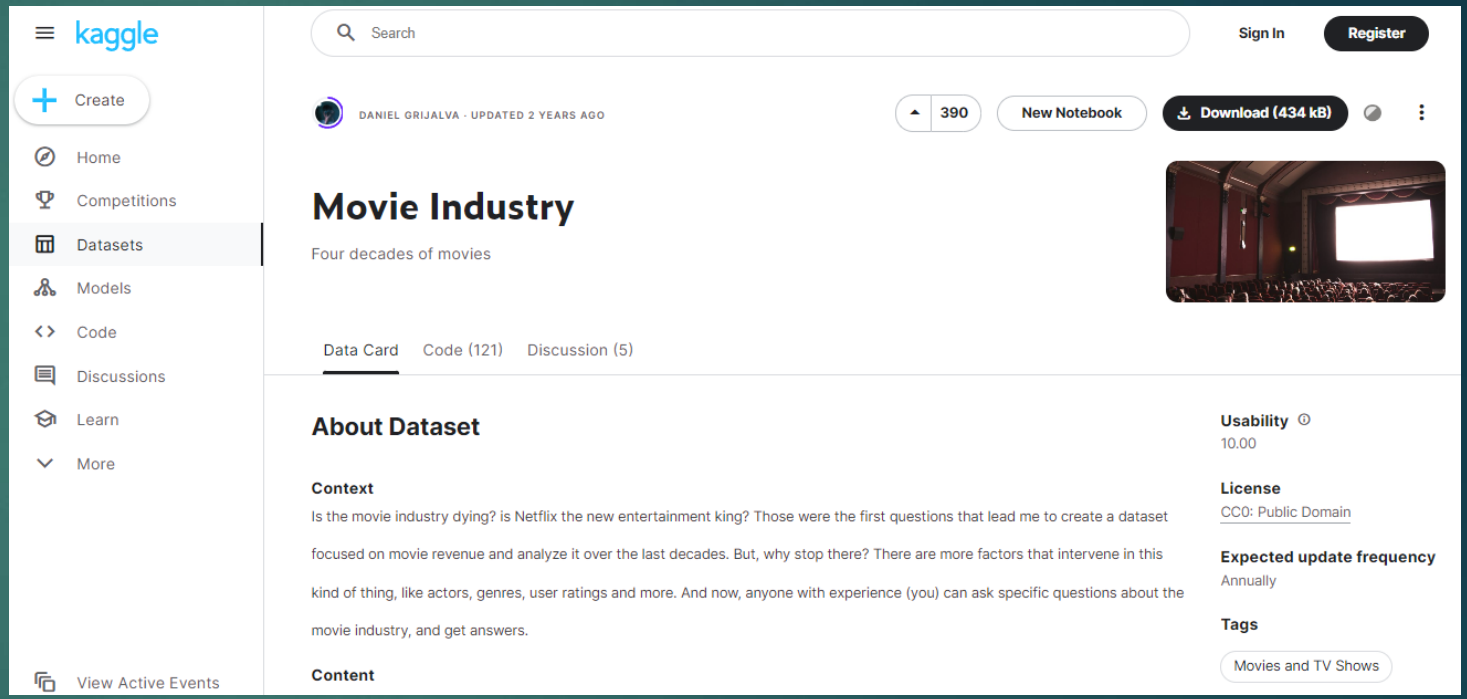
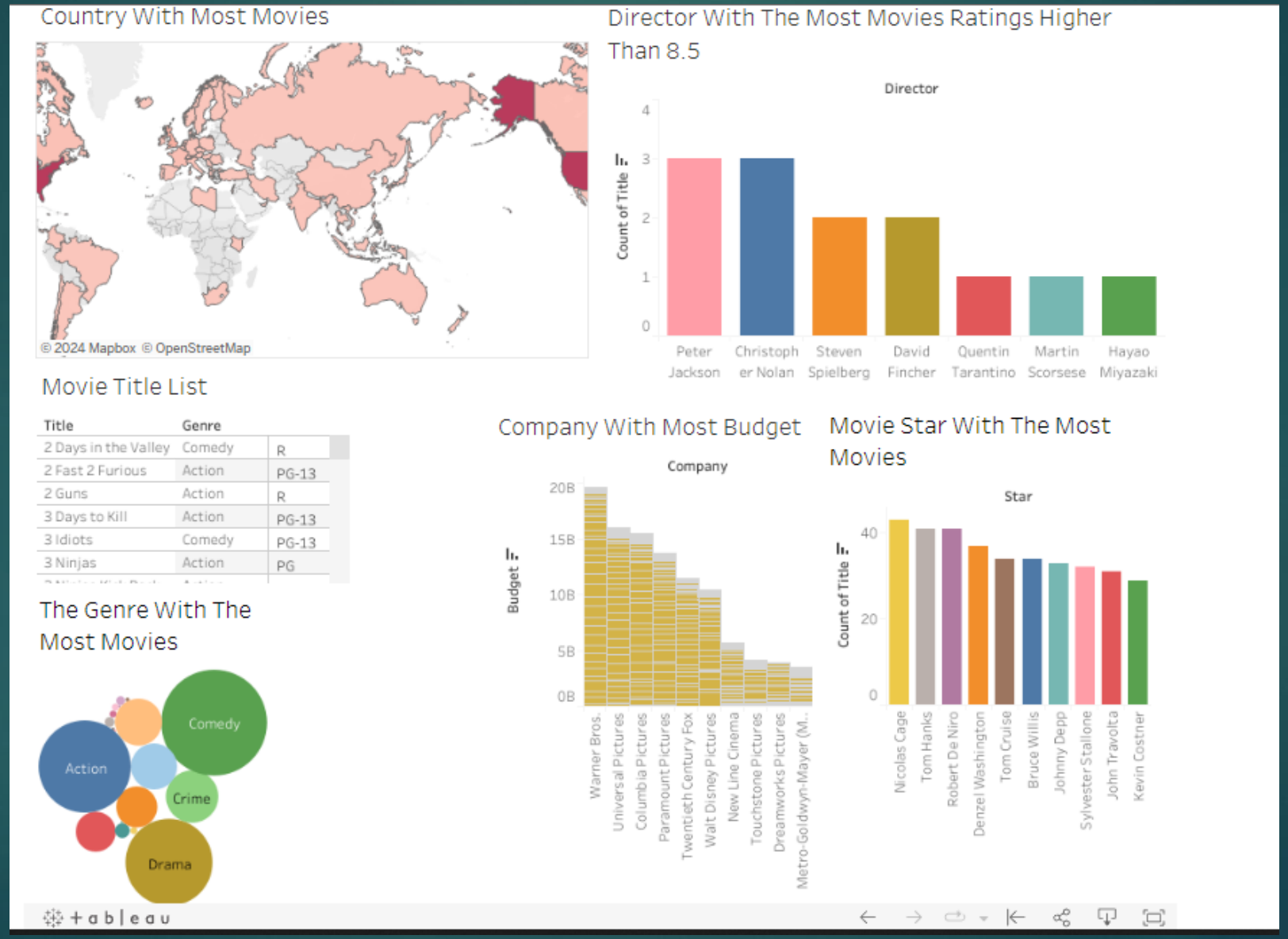
Movie Industry Dataset

- All the data utilized in this analysis are sourced from Kaggle.

Within the comprehensive dataset, which spans the years from 1986 to 2016, a total of 6820 movies have been included for examination and study.



Movie Dashboard



- The Dashboard can be accessed via:
  Public Tableau
- Or can be downloaded via:
  GitHub

- Thankyou~

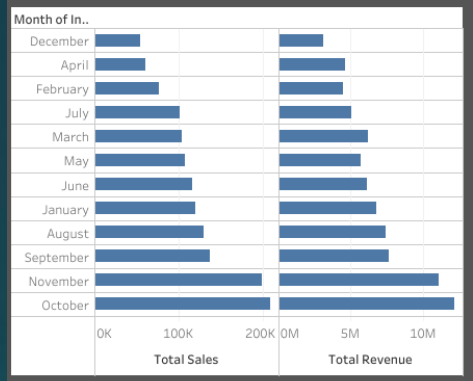
E-Commerce Dataset

- All the data utilized in this analysis are sourced from my Studi Independent Project. The Dataset itself can be access via E-Commerce Dataset

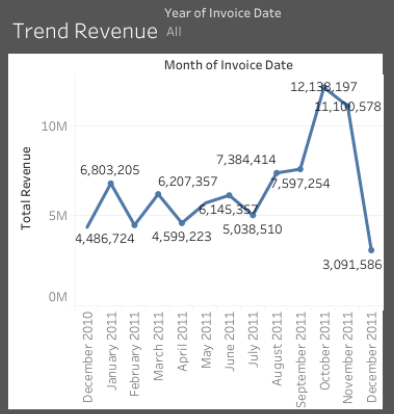
	A	B	C	D	E	F	G	H	I	J	K	L
1	InvoiceNo	StockCode	Product_	Category	InvoiceDate	Quantity	UnitPrice(€)	Disc_type	CustomerID	Country	Market_	Region
2	536370	POST	Reffair AX3(	Car & Motorbike	2010-12-01 08:45:00	15	18	1	12583	United States	US	East
3	536370	22726	Wayona Nyl	Computers & Accessories	2010-12-01 08:45:00	118	3.75	1	12583	Australia	APAC	Oceania
4	536370	21724	Ambrane Ur	Computers & Accessories	2010-12-01 08:45:00	106	0.85	3	12583	Australia	APAC	Oceania
5	536370	21913	Sounce Fast	Computers & Accessories	2010-12-01 08:45:00	96	3.75	1	12583	Germany	EU	Central
6	536370	21035	boAt Deuce	Computers & Accessories	2010-12-01 08:45:00	61	2.95	1	12583	Senegal	Africa	Africa
7	536370	22661	Portronics K	Computers & Accessories	2010-12-01 08:45:00	56	0.85	1	12583	Australia	APAC	Oceania
8	536370	22728	pTron Solerc	Computers & Accessories	2010-12-01 08:45:00	10	3.75	2	12583	New Zealand	APAC	Oceania
9	536370	22727	boAt Micro	Computers & Accessories	2010-12-01 08:45:00	106	3.75	3	12583	New Zealand	APAC	Oceania
10	536370	21883	MI Usb Type	Computers & Accessories	2010-12-01 08:45:00	96	0.65	1	12583	United States	US	West
11	536370	21791	TP-Link USB	Computers & Accessories	2010-12-01 08:45:00	10	1.25	2	12583	United States	US	South
12	536370	22326	Ambrane Ur	Computers & Accessories	2010-12-01 08:45:00	75	2.95	2	12583	United States	US	South
13	536370	22629	Portronics K	Computers & Accessories	2010-12-01 08:45:00	108	1.95	1	12583	Afghanistan	APAC	Central Asia
14	536370	22659	boAt Rugge(	Computers & Accessories	2010-12-01 08:45:00	49	1.95	2	12583	Saudi Arabia	EMEA	EMEA
15	536370	22631	Portronics K	Computers & Accessories	2010-12-01 08:45:00	39	1.95	3	12583	Brazil	LATAM	South
16	536370	21731	Portronics K	Computers & Accessories	2010-12-01 08:45:00	122	1.65	1	12583	China	APAC	North Asia
17	536370	22900	MI Braided I	Computers & Accessories	2010-12-01 08:45:00	10	2.95	1	12583	France	EU	Central
18	536370	22540	Ambrane Ur	Computers & Accessories	2010-12-01 08:45:00	99	0.42	2	12583	United States	US	South
19	536370	22544	boAt Type C	Computers & Accessories	2010-12-01 08:45:00	56	0.42	2	12583	Italy	EU	South
20	536370	22492	Duracell USI	Computers & Accessories	2010-12-01 08:45:00	23	0.65	3	12583	Australia	APAC	Oceania
21	536370	10002	Flix Micro U	Computers & Accessories	2010-12-01 08:45:00	108	0.85	3	12583	Tanzania	Africa	Africa

E-Commerce Dashboard

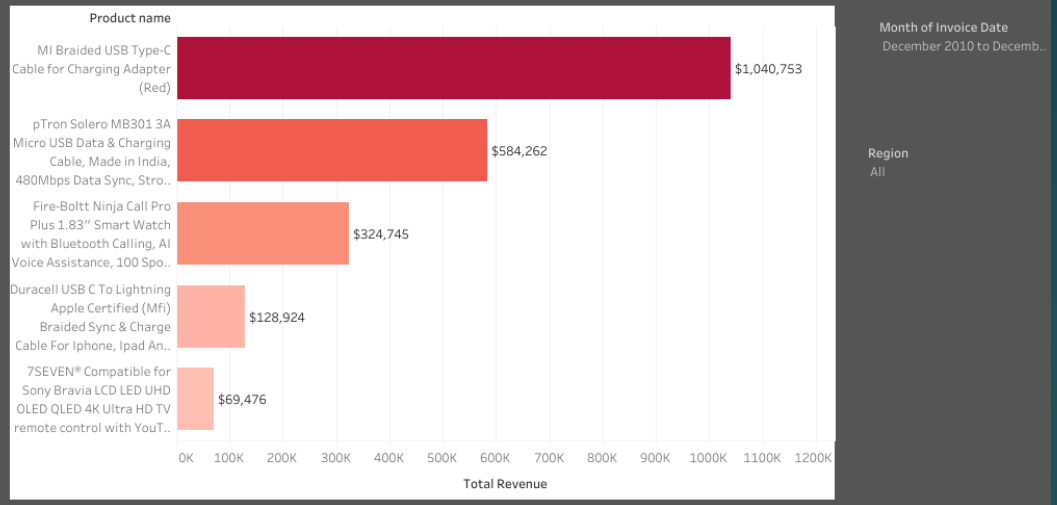
Total Revenue dan Total Sales



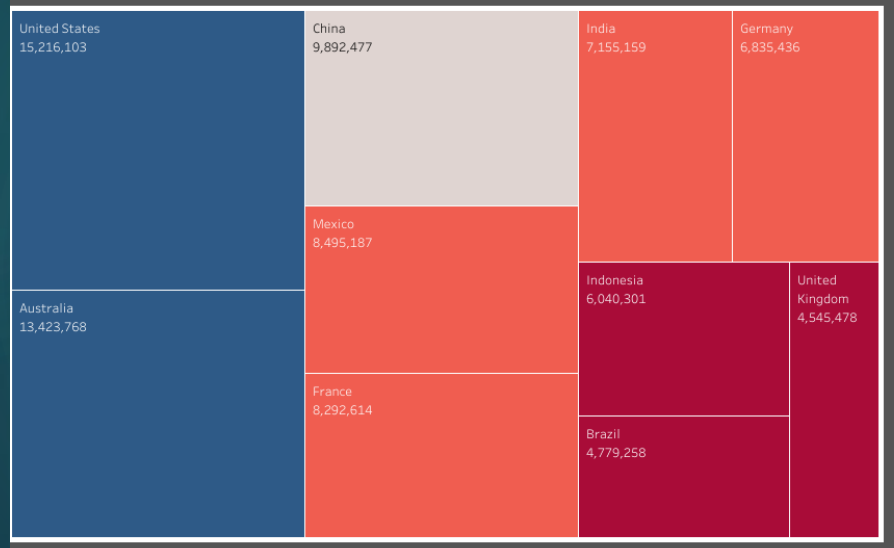
Trend Revenue



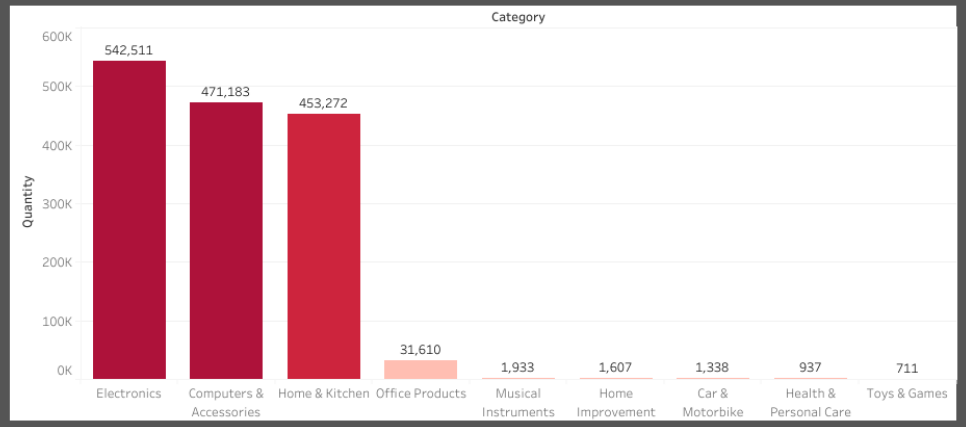
5 produk yang menghasilkan **revenue paling** tinggi pada rentang akhir tahun 2010 - 2011



10 Negara dengan Revenue Paling Tinggi



Kategori Produk Terlaris pada Tahun 2010-2011



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- Thankyou~

Data Cleaning and Analysis

BY: RYNO PAHLEVI AL GHIFFARI

RYNOPAHLEVIA@GMAIL.COM

Data Cleaning and Analysis -Kuala Lumpur Property Listings Dataset

- Performing Data Cleaning and Analysis on the Raw Kuala Lumpur Dataset, including:
- **Duplicate Check**: Identifying and removing duplicate data.
- **Data Cleaning**: Ensuring data quality and consistency through thorough cleaning processes.
- **Data Types**: Verifying that each column has the correct and appropriate data type.
- **Missing Value Check**: Identifying and handling missing values in the dataset.
- **Outliers**: Detecting and managing outliers in the data.
- Subsequently, conducting the following analyses:
- Calculating the average property price and categorizing the data into the first quartile (Q1), second quartile (Q2), and third quartile (Q3). Determining the mean, minimum, and maximum prices.
- Identifying the categories with the most and fewest properties.
- Determining the majority status of property furnishing.
- Calculating the average property size.
- Finding the location with the highest average property price.
- Estimating the cost required to build a property with 5 bedrooms, 3 bathrooms, 4 parking spaces, and a lot size of 5000 sq ft.

- The Spreadsheet can be accessed via: Spreadsheet

A1 | fx Location

	A	B	C	D	E	F	G	H
1	Location	Price	Rooms	Bathrooms	Car Parks	Property Type	Size	Furnishing
2	Bangsar, Kuala Lumpur	1,000,000.00	2	2	1	Condominium (Intermediate)	Built-up : 1,252 sq. ft.	Partly Furnished
3	Bukit Bintang, Kuala Lumpur	1,000,000.00		2	1	Serviced Residence	Built-up : 1,012 sq. ft.	Fully Furnished
4	Bukit Bintang, Kuala Lumpur	1,000,000.00	2	2	1	Serviced Residence	Built-up : 1,012 sq. ft.	Fully Furnished
5	Bukit Bintang, Kuala Lumpur	1,000,000.00	2	2		Serviced Residence (Corner)	Land area : 1070 sq. ft.	Fully Furnished
6	Bukit Jalil, Kuala Lumpur	1,000,000.00	3+1	3	2	Condominium	Built-up : 1,450 sq. ft.	Fully Furnished
7	Bukit Jalil, Kuala Lumpur	1,000,000.00	3+1	3	2	Condominium	Built-up : 1,508 sq. ft.	Fully Furnished
8	Cheras, Kuala Lumpur	1,000,000.00	4	4	2	2-sty Terrace/Link House (Intermed	Land area : 22x70 sq. ft.	Partly Furnished
9	Cheras, Kuala Lumpur	1,000,000.00	4+1	5		2-sty Terrace/Link House	Land area : 22x80 sq. ft.	Unfurnished
10	Cheras, Kuala Lumpur	1,000,000.00	4+1	4		2-sty Terrace/Link House (Intermed	Land area : 24x80 sq. ft.	Unfurnished
11	Cheras, Kuala Lumpur	1,000,000.00	2	2	1	Serviced Residence	Built-up : 936 sq. ft.	
12	City Centre, Kuala Lumpur	1,000,000.00	5	6	1	Condominium	Built-up : 1,830 sq. ft.	Partly Furnished
13	Damansara Heights, Kuala Lumpur	1,000,000.00	1	2	1	Serviced Residence	Built-up : 999 sq. ft.	Fully Furnished
14	Dutamas, Kuala Lumpur	1,000,000.00	2	2		Serviced Residence	Built-up : 1,145 sq. ft.	Fully Furnished
15	Dutamas, Kuala Lumpur	1,000,000.00	2	2	1	Serviced Residence	Built-up : 1,145 sq. ft.	Fully Furnished
16	KL City, Kuala Lumpur	1,000,000.00	3	3	2	Serviced Residence	Built-up : 716 sq. ft.	Partly Furnished
17	KLCC, Kuala Lumpur	1,000,000.00	3+1	3	2	Serviced Residence (Corner)	Built-up : 1,313 sq. ft.	Partly Furnished
18	KLCC, Kuala Lumpur	1,000,000.00	1	1	1	Condominium (EndLot)	Built-up : 657 sq. ft.	Fully Furnished
19	KLCC, Kuala Lumpur	1,000,000.00	Studio	1		Condominium (Studio)	Built-up : 657 sq. ft.	Fully Furnished

Exploratory Data Analysis Using Python

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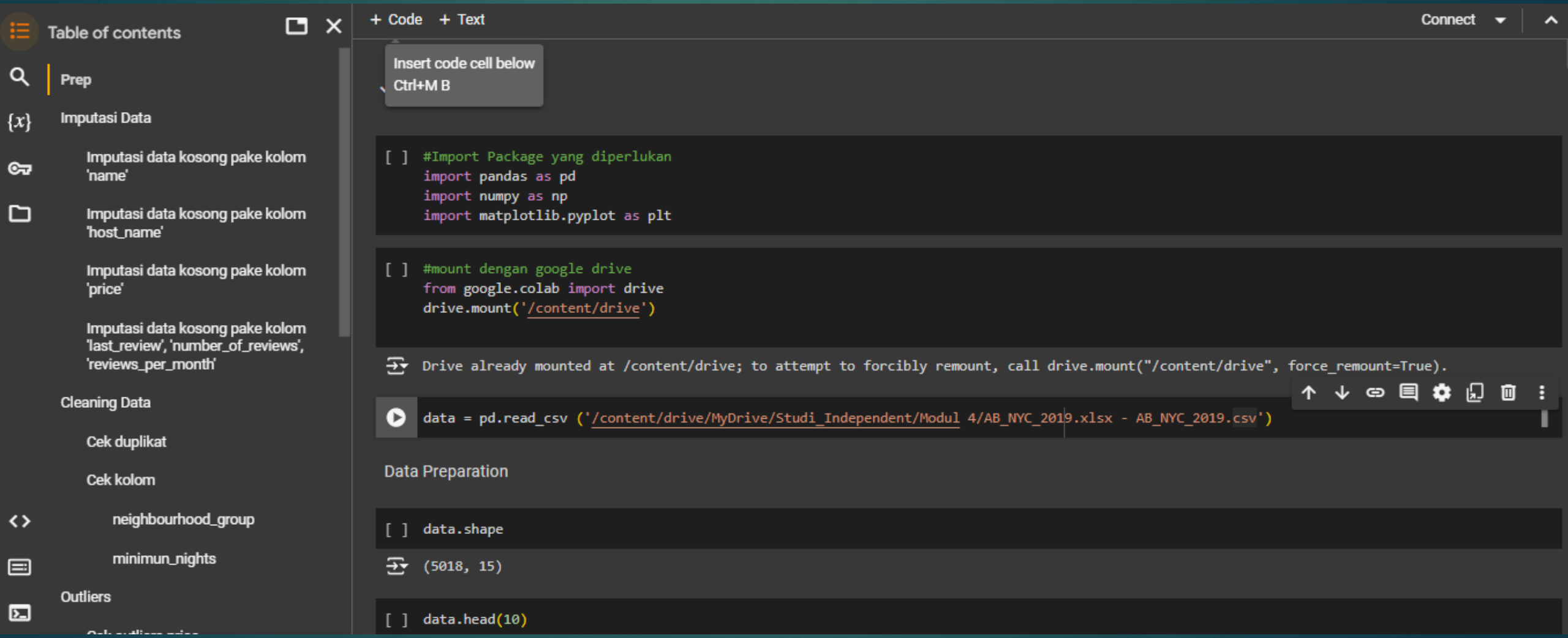
EDA NYC Property Dataset Using Python

- Dataset itself is from My Studi Independen that can be access via NYC Property Dataset

- Performing data preparation, data cleaning (such as data imputation, data cleaning, and outlier checks), and conducting Exploratory Data Analysis (EDA) with the following objectives:

1. **Average Price, Cheapest, and Most Expensive**: Analyzing the average price, cheapest, and most expensive properties for each room type, along with their characteristics.
2. **Total Properties and Average Price per Neighborhood Group**: Calculating the total number of properties and the average price per neighborhood group.
3. **Average Reviews and Availability (2017-2019)**: Determining the average number of reviews per month and the average availability of rooms for each room type per year from 2017 to 2019.

- The Google Colaboratory can be accessed via: [NYC Property - Google Colab]



Clustering Laptop Customer Using Python

- The Dataset itself is from My Studi Independen that can be access via: Customer Laptop Dataset

- Performing data preparation and data cleaning, including data imputation, data cleaning, and outlier checks. Then, conducting clustering analysis with the following methods:

- **K-Means Clustering**: Applying the K-Means algorithm to identify distinct clusters within the data.
- **Cluster Cardinality**: Determining the number of elements in each cluster.
- **Cluster Magnitude**: Analyzing the magnitude and characteristics of each cluster.

- The Google Colaboratory can be accessed via: [Customer Laptop Google Colab]