

Wicaksono Yuli Sulistyo

POIN PEMBELAJARAN

- Import
- Display Data
- Indexing







https://www.kaggle.com/datasets/ummisalma/mcu-movies-and-tv-shows



Menghubungkan Google Drive ke Google Collaboratory

- Menjalankan kode di bawah ini from google.colab import drive drive.mount('/content/gdrive')
- Pop up izin akses ke google drive akan muncul, lalu pilih izinkan.







from google.colab import drive
drive.mount('/content/gdrive')

Mounted at /content/gdrive

Salah satu tanda jika sudah berhasil menghubungkan google drive dengan google collab Atau dengan cara ke 2, di klik bagian folder Klik revoke jika belum terhubung dengan drive





IMPORT MODULE

Module merupakan sekumpulan *function* yang dibangun dengan tujuan tertentu untuk membantu proses dalam melakukan pemrograman

import pandas as pd import numpy as np import matplotlib.pyplot as plt import seaborn as sns import os

os.chdir("/content/drive/MyDrive/{lokasi folder}

Jalankan program di atas agar Google Collab terhubung dengan folder tempat kita ingin bekerja



FILE FORMAT

Beberapa format file yang sering digunakan dalam analisis data

- 1. Excel
- 2. CSV (Comma separated value)
- 3. JSON (Javascript Object Notation)
- 4. XML



Report generated on 01-01-2020,,, Created by: user9284,,, Company XYZ,,, ,,, Date, Country, Units, Revenue 2019-01-08, USA, 343, 15461.36 2019-01-04, Panama, 93, 4681.26 2019-01-07, Panama, 42, 2220.36 2019-01-16, Brazil, 103, 1853.78 2019-01-17, USA, 28, 286.3 2019-01-24, Canada, 372, 24826.98 2019-01-24, Canada, 372, 24826.98 2019-01-26, Canada, 61, 1592.42 2019-01-28, Canada, 264, 3228.11 2019-01-13, Canada, 27, 257.97 2019-01-28, Brazil, 323, 3024.25

CSV







IMPORT DATA





DATA INFO

Informasi yang bisa didapatkan:

- 1. Jumlah baris dan kolom
- 2. Nama kolom
- 3. Kelengkapan data pada setiap kolom
- 4. Tipe data setiap kolom
- 5. Penggunaan ruang penyimpanan

movies_data.info() # D <class 'pandas.core.frame.DataFrame'> RangeIndex: 66 entries, 0 to 65 Data columns (total 23 columns): Non-Null Count Dtype Column # Movie object 66 non-null ø object Release Date 66 non-null Release Month 66 non-null object 2 Release Day 66 non-null int64 3 Release Year 66 non-null int64 4 object 5 **Ownership** 66 non-null Domestic Box Office 66 non-null int64 6 Inflation Adjusted Domestic 66 non-null int64 International Box Office 66 non-null int64 8 Inflation Adjusted International 66 non-null float64 9 Worldwide Box Office 66 non-null int64 10 11 Inflation Adjusted Worldwide 66 non-null float64 Opening Weekend 66 non-null int64 12 Inflation Adjusted Opening Weekend 66 non-null int64 13 14 Budget 66 non-null int64 Inflation Adjusted Budget 66 non-null int64 15 16 IMDb Score 66 non-null float64 17 Meta Score 66 non-null int64 18 Tomatometer 66 non-null int64 19 Rotten Tomato Audience Score 66 non-null int64 20 Run Time In Minutes 66 non-null int64 21 Phase 33 non-null object 22 Director 66 non-null object dtypes: float64(3), int64(14), object(6) memory usage: 12.0+ KB



MEN	AMP	LKA	N D	ATA
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D	mov	ies_data.	head(10)						
		Movie	Release Date	Release Month	Release Day	Release Year	Ownership	Domestic Box Office	Inflation Adjusted Domestic
	0	Iron Man	5/2/2008	Мау	2	2008	Marvel Studios	318604126	467231126
	1	The Incredible Hulk	6/13/2008	June	13	2008	Marvel Studios	134806913	197704288
	2	Iron Man 2	5/7/2010	Мау		2010	Marvel Studios	312433331	416973763
	3	Thor	5/6/2011	Мау	6	2011	Marvel Studios	181030624	240384926

- Menampilkan *n* data pertama menggunakan method .head(jumlah data)
- Menampilkan *n* data terakhir menggunakan method .tail(jumlah data)
- Menampilkan *n* data secara acak menggunakan method .sample(jumlah data)

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O	mov	ies_data.s								
		Movie	Release Date	Release Month	Release Day	Release Year	Ownership	Domestic Box Office	Inflation Adjusted Domestic	:
	18	Avengers Infinity War	4/27/2018	April	27	2018	Marvel Studios	678815482	784624259	
	60	The Punisher	4/16/2004	April	16	2004	Lionsgate Films	33664370	57083056	
	27	Doctor Strange in the Multiverse of Madness	5/6/2022	Мау	6	2022	Marvel Studios	411331607	411331607	
	4	Captain America: The First Avenger	7/22/2011	July	22	2011	Marvel Studios	176654505	234574020	

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			Movie	Release Date	Release Month	Release Day	Release Year	Ownership	Domestic Box Office	Inflation Adjusted Domestic
		56	Fantastic Four: Rise of the Silver Surfer	6/15/2007	June	15	2007	20th Century Fox	131921738	201909286
		57	Fantastic Four (2015)	8/7/2015	August	7	2015	20th Century Fox	56117548	70097010
		58	Elektra	1/14/2005	January	14	2005	20th Century Fox	24409722	40098956
								20th		



DATA INDEX

.index

Menampilkan nama index atau nama baris yang ada pada data, secara *default*, ia akan menggunakan angka dimulai dari 0 - jumlah data - 1

.set_index()

Membuat nama indeks berdasarkan kolom tertentu, akan tetapi nama ini harus *uniqu*e

.reset_index()

Melakukan reset dari index yang ada sekarang, bisa menggunakan parameter *drop = True* untuk menghapus

	[29]	movie	s_data.l	oc[2,"Mo	vie"]	#misal	ingin	liat	judul	di	index	ke	2
		'Iron	Man 2'										
∕ o d	[30]	movie	s_data.l	oc [:, "Mo	vie"]	#misal :	ingin 1	liat s	emua j	judu			
		0 1 2 3 4	Captain	America	The Ir	In noredib Iron First #	ron Man Le Hulk Man 2 Thor Avenger	 					
		61 62 63 64 65 Name:	Movie,	Length:	Pun: E 66, d1	isher: W Bl Blade: 1 M type: ob	Warzone Blade Lade II Frinity Morbius						

