



JABATAN PERDANA MENTERI
JABATAN PERANGKAAN MALAYSIA

DATA OPENNESS: ENABLING THE MALAYSIA INFORMATIVE DATA CENTRE (MYSIDC) TOWARDS PUBLIC DATA ASSETS WITH DATA IN MACHINE READABLE FORMAT

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PENGENALAN



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PENGENALAN

JABATAN PERDANA MENTERI
JABATAN PERANGKAAN MALAYSIA



Pengguna

- *Stakeholders*
- Penyelidik
- Pengguna awam

Kandungan

- 14 Indikator
- 579 Jadual

01

Objektif

- Sebagai platform berpusat penyebaran data DOSM
- Mesra pengguna
- Siri masa

04

02

Pembangunan

- Bermula 2011
- *In House System* dengan kepakaran dalaman (BPM)
- *Live* 2012

03





PENGENALAN – Dahulu vs Kini

JABATAN PERDANA MENTERI
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NATIONAL ACCOUNTS

Sub Indicator: Gross Domestic Product and Gross Income >>>

Information Level 1/ Sector: By Kind of Economic Activity >>>

Information Level 2/ Sector: Constant Price

No	Table	Description	Pdf	Excel
1	1.1.1	Gross Domestic Product And Gross National Income At Constant Prices, 2000 - 2018, Malaysia	(27.28 KiB)	(57.48 KiB)
2	1.1.2	Gross Domestic Product By Kind Of Economic Activity At Constant Prices, 2000 - 2018, Malaysia	(48.29 KiB)	(17.04 KiB)

- 2012-2020 : Jadual excel dan PDF disediakan

NATIONAL ACCOUNTS

Sub Indicator: Gross Domestic Product and Gross National Income

No	Table	Description	Table	Dataset
1	1.1.1	Gross Domestic Product and Gross National Income at constant prices, 1970- 2020, Malaysia	(18.93 KiB)	(16.52 KiB)
2	1.1.2	Gross Domestic Product and Gross National Income at current prices, 1947- 2020, Malaysia	(16 KiB)	(15.55 KiB)
3	1.1.3	Gross Domestic Product by kind of economic activity at constant prices, 1987- 2020, Malaysia	(21.75 KiB)	(40.2 KiB)
4	1.1.4	Gross Domestic Product by kind of economic activity at current prices, 1987- 2020 Malaysia	(19.33 KiB)	(30.06 KiB)

- 2021 : Menyediakan dataset (.csv) bagi setiap jadual





Pengenalan – Dahulu vs Kini

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KDNK MENGIKUT JENIS AKTIVITI EKONOMI PADA HARGA MALAR, 1987-2020, MALAYSIA

GDP by Kind of Economic Activity at Constant Prices, 1987 – 2020, Malaysia

Tahun	Pertanian, Ternakan, Perhutanan dan Perikanan	Perlombongan dan Pengkuarian	Pembuatan	Pembinaan
Year	Agriculture, Livestock, Forestry and Fishing	Mining and Quarrying	Manufacturing	Construction

Jadual

(1987=100)

1987	16,185	10,235	16,058	2,818
1988	16,624	11,309	18,786	2,853
1989	17,415	9,955	22,604	3,163
1990	17,308	9,968	26,060	3,750
1991	17,292	10,432	29,708	4,333
1992	18,478	10,910	31,788	4,799
1993	17,898	10,475	36,423	5,317
1994	17,559	11,099	40,566	6,122



Base Year	Year	Price type	Sector	Sub-sector	Value (RM Million)
1987	1987	Constant prices	Agriculture, Livestock, Forestry and Fishing	n.a	16185
1987	1987	Constant prices	Mining and Quarrying	n.a	10235
1987	1987	Constant prices	Manufacturing	n.a	16058
1987	1987	Constant prices	Construction	n.a	2818
1987	1987	Constant prices	Services	Utilities	2129
1987	1987	Constant prices	Services	Wholesale and Retail Trade, Accommodation, Food and Beverage	8720
1987	1987	Constant prices	Services	Transport, Storage, Information and Communication	5267
1987	1987	Constant prices	Services	Finance, Insurance, Real Estate and Business Services	6239
1987	1987	Constant prices	Services	Other Services	5526
1987	1987	Constant prices	Services	Government Services	8853
1987	1987	Constant prices	Less : Undistributed FISIM	n.a	3261
1987	1987	Constant prices	Plus : Import Duties	n.a	2316
1987	1988	Constant prices	Agriculture, Livestock, Forestry and Fishing	n.a	16624
1987	1988	Constant prices	Mining and Quarrying	n.a	11309
1987	1988	Constant prices	Manufacturing	n.a	18786
1987	1988	Constant prices	Construction	n.a	2853
1987	1988	Constant prices	Services	Utilities	2357
1987	1988	Constant prices	Services	Wholesale and Retail Trade, Accommodation, Food and Beverage	10255

Dataset

title	Gross Domestic Product by kind of economic activity at constant prices, 1987 - 2020, Malaysia				
frequency	Annually				
type of Data	Variable	Data Type			
	Base Year	String			
	Year	String			
	Price type	String			
	Sector	String			
	Sub-sector	String			
	Value (RM Million)	Number			
level of Detail	Base Year	Year	Price type	Sector	Sub-sector
	1987	1987	Constant Prices	Agriculture, Livestock, Fore	Finance, Insurance, Real Estate and Business Services
	2000	1988		Construction	Government Services
	2005	1989		GDP at Purchasers' Prices	Other Services
	2010	1990		Less : Undistributed FISIM	Transport, Storage, Information and Communication

Metadata





Pengenalan – Dahulu vs Kini

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Open Data Licences

Terms of Use

Short Term Indicators

**Pautan eDatabank
dan eStatistik**



METODOLOGI



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METODOLOGI- Kaedah Pelaksanaan

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PQI

Time Series

Open Data (DOSM)

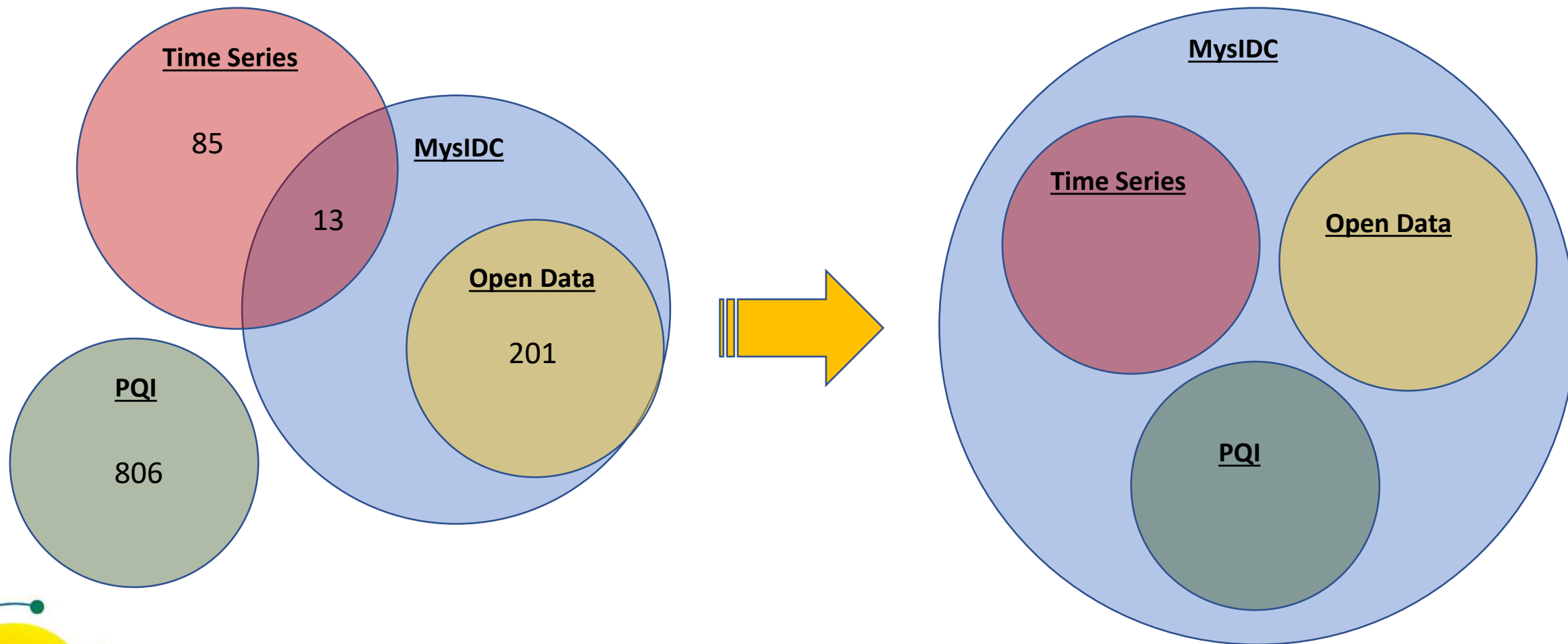
- Mengenalpasti platform penyebaran data di portal DOSM : PQI, Time Series, Open Data (DOSM)
- Memastikan kesemua jadual dimasukkan ke dalam MysIDC
- MysIDC sebagai platform berpusat penyebaran data di portal DOSM





METODOLOGI- Kaedah Pelaksanaan

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PENANDA ARAS



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PENANDA ARAS: OPEN DATA WATCH

01

Machine readability

The number of indicators published in a machine readable format



02

Nonproprietary format

The number of indicators published in a nonproprietary format



03

Download options

The number of indicators that have a bulk download option and an API or user-select option



04

Metadata availability

The number of indicators with complete metadata



05

Terms of use (TOU)

The number of indicators with a terms of use or data license that is considered open



“Open data is data that can be freely used, re-used and redistributed by anyone”

Definition by the Open Knowledge Foundation

ODIN Openness Score Criteria

<https://odin.opendatawatch.com/>



KELEBIHAN & KEPENTINGAN



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KELEBIHAN & KEPENTINGAN

STANDARD

Menepati
keperluan Open
Data



INTEGRASI

Memudahkan
proses integrasi
apabila diperlukan



ANALISA

Analisa dapat dilakukan dengan mudah dengan menggunakan perisian statistik



PENJIMATAN MASA

- Pengguna tidak perlu melakukan *data transformation*
- *Kepelbagaian file bagi jadual yang sama telah digabungkan ke dalam satu set data berstruktur*





KELEBIHAN & KEPENTINGAN

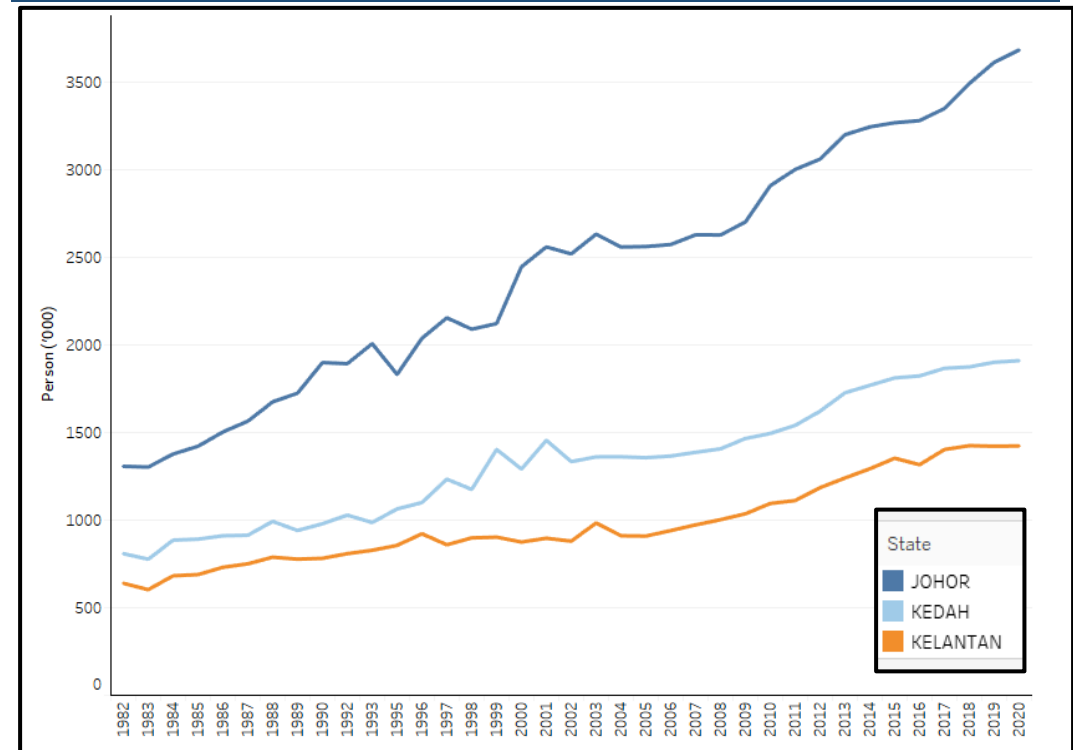
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Tenaga buruh mengikut taraf perkahwinan, Johor, 1982–2020

Dataset yang disediakan di dalam MysIDC

A	B	C	D
State	Year	Marital Status	Person ('000)
JOHOR	1982	Divorced/permanently separated	5.6
JOHOR	1983	Divorced/permanently separated	9.1
JOHOR	1984	Divorced/permanently separated	8.1
JOHOR	1985	Divorced/permanently separated	5.6
JOHOR	1986	Divorced/permanently separated	6.7
JOHOR	1987	Divorced/permanently separated	7.7
JOHOR	1988	Divorced/permanently separated	7.4
JOHOR	1989	Divorced/permanently separated	7
JOHOR	1990	Divorced/permanently separated	7.8
JOHOR	1992	Divorced/permanently separated	9.1
JOHOR	1993	Divorced/permanently separated	9.3
JOHOR	1995	Divorced/permanently separated	4.8
JOHOR	1996	Divorced/permanently separated	6.1
JOHOR	1997	Divorced/permanently separated	7
JOHOR	1998	Divorced/permanently separated	7.5
JOHOR	1999	Divorced/permanently separated	8.2
JOHOR	2000	Divorced/permanently separated	11.4
JOHOR	2001	Divorced/permanently separated	9.9
JOHOR	2002	Divorced/permanently separated	13.7
JOHOR	2003	Divorced/permanently separated	13.5

Hasil analisa dengan menggunakan perisian statistik



WAY FORWARD



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WAY FORWARD

1. Menambahbaik portal MySIDC kepada platform e-Data Bank StatsDW.
2. Penambahan bilangan jadual
3. Paparan yang lebih interaktif (*table builder*).
4. Platform yang mesra pengguna dan mudah untuk diakses melalui *mobile apps*.



LIVE DEMO



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TERIMA KASIH

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