

isi

63rd WORLD
STATISTICS
CONGRESS

VIRTUAL
2021

The involvement of the Department of Statistics, Malaysia at

63rd ISI WORLD STATISTICS
CONGRESS 2021 - The Hague
Virtually 11th - 16th July 2021

“Statistics and Data Science
for a Better World”

Day 5 (16 July 2021)

VOLUME 5

Scientific
programme
of the day

Category

Number of
programs by Date



DOSM CONTRIBUTIONS

As IPS Organiser and Speakers

MISSED the IPS and CPS Oral Presentations at the ISI WSC 2021 virtual platform? **NO WORRIES!**
What do you need to do? Just scan the QR code and enjoy watching the brilliant presentation from DOSM on YouTube



The insight on Informal Sector in Malaysia?

- How do we use Big Data to gather and measure it?
- What are the challenges?
- Methods to improve?
- Why enrichment of the data needs to be done?

You want to learn more? Watch the recorded video on YouTube, just scan the QR code here



POPULATION & HOUSING
**CENSUS
MALAYSIA 2020**

YOUR DATA IS OUR FUTURE

DOSM CONTRIBUTIONS (Cont.)

As IPS Organizer and Speakers



Speakers:



Prof Jacques Charmes
Economist and Statistician
Centre for Population and Development



Mr. Jonathan Gessendorfer
Associate Statistician
United Nations
Statistics Division



Ms. Hawati Abdul Hamid
Senior Research Associate
Khazanah Research

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The insight on Informal Sector in Malaysia?

- Formal or Informal Economy?
- Concept, Measurement and Challenge, Time to Make it Clear?

For more explanations on the topics, please watch the video on YouTube. Scan the QR code here



"Enjoy the knowledge, it won't be a loss."

"The more you learn, the more you earn, and the more adventure you will have."



POPULATION & HOUSING
CENSUS MALAYSIA 2020
YOUR DATA IS OUR FUTURE

DOSM CONTRIBUTIONS (Cont.)

As Speakers at CPS Oral Presentation:

63rd ISI WORLD STATISTICS CONGRESS 2021 - The Hague
 "Statistics and Data Science for a Better World" Virtually 11th-16th July 2021
 17:00 - 03:30 (Malaysia Time)
 16th July 2021 3.00 PM (MYT)
Contributed Paper Session (CPS)
Bridging Gender Gap in Malaysia
 Abstract: The gap of gender has always been a global concern and Malaysia has made significant efforts in bridging the gender gap. In this paper, we explore the gender gap in Malaysia and its impact on the economy. We also discuss the role of the government in bridging the gender gap. The paper is based on secondary data from the Department of Statistics, Malaysia. The data shows that the gender gap in Malaysia is still wide. However, the government has taken several steps to bridge the gender gap. These steps include increasing the number of female leaders in the government, promoting female entrepreneurship, and providing training and support for female entrepreneurs. The paper concludes that the government should continue to take steps to bridge the gender gap in Malaysia.
 Authors: Ms. Erzul Nishe Abdul Rahman (Speaker), Mr. Muhammad Hazim Mohd Abd Rahim (Participant and Co-organizer, Statistics, Malaysia)

- Malaysia has made efforts and massive developments to forge greater gender equality both in social and economic areas
- This study explores some issues existing in gender equality and develops a meaningful strategy that contributes to the design and implementation of effective policies
- Moreover, this study firmly keeps track gender development and initiates measures to avert potential causes of the gender gap that lead to gender inequality

Interested to learn more about the gender gap? Enjoy watching the amazing presentation by scanning the QR code here



- Production functions determine the output of a firm, an industry, or an entire economy for all combinations of inputs
 - So, what is the significance of the development of this production model during economic crisis?
- Wish to learn more? Watch the video now and share it

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 17:00 - 03:30 (Malaysia Time)
 16th July 2021 3.00 PM (MYT)
Contributed Paper Session (CPS)
Fitting Cobb-Douglas function in modelling the impact of COVID-19 on the Malaysia's economy
 Abstract: In 2020, many nations around the world experienced economic recession due to the impact of COVID-19 pandemic. In Malaysia, the economy also experienced a significant decline. This paper aims to model the impact of COVID-19 on the Malaysia's economy using the Cobb-Douglas function. The data shows that the economy of Malaysia has declined significantly since the onset of the pandemic. The Cobb-Douglas function is used to model the relationship between the variables. The results show that the Cobb-Douglas function is a good fit for the data. This indicates that the Cobb-Douglas function can be used to model the impact of COVID-19 on the Malaysia's economy.
 Speaker: Mr. Muhammad Shafiq Harun (Participant and Co-organizer, Statistics, Malaysia)

- A lot of discussions on labour market's ramification revolve around unemployment
- Let's hear how other indicators are behaving beyond job losses and how has this changes the business and labour market circumstances?

Gain knowledge as much as you can about the Malaysia's labour market by watching the video



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 17:00 - 03:30 (Malaysia Time)
 16th July 2021 3.00 PM (MYT)
Contributed Paper Session (CPS)
Hours Worked and Economic Crisis: Malaysia's Experience
 Abstract: The year 2020 had been a year for Malaysia as it has to cope with the impact of COVID-19 pandemic. The pandemic has caused significant economic recession and social distancing across the globe. In Malaysia, the economy has also experienced a significant decline. This paper aims to study the impact of the economic crisis on Malaysia's labour market. The data shows that the number of hours worked has decreased significantly since the onset of the pandemic. This indicates that the labour market has been affected by the economic crisis. The paper concludes that the government should take steps to support the labour market during economic crisis.
 Authors: Ms. Nur Laili Mohd Ali Khan Guseini (Speaker), Mr. Muhammad Shafiq Harun & Ms. Minnah Fajria Dahir (Participant and Co-organizer, Statistics, Malaysia)



CLOSING CEREMONY OF ISIWSC2021

Last Event of the Last Day #ISIWSC2021



Thank you to the ISI President, Mr John Bailer for your great leadership and for bringing this important statistics organisation to the next level

Short Bio: John Bailer

- University Distinguished Professor and Chair at Miami University
- ISI President, 2019-2021
- Podcast Panelist, Stats + Stories
- Scripps Research Fellow, Scripps Gerontology Center
- Faculty Affiliate, Statistical Consulting Center
- Affiliate Member, Department of Media, Journalism and Film
- Affiliate Member, Department of Sociology & Gerontology
- Affiliate Member, Department of Biology
- Affiliate Member, Institute for the Environment & Sustainability
- Experienced researcher, educator and administrator with a demonstrated history of working in higher education, government and industry. Skilled in statistical analysis and modeling, data visualization, and communication of research. Provides leadership at departmental levels and at the highest levels of professional societies



Congratulations to the next ISI President, Mr Stephen Penneck! Best wishes from Malaysia!

Short Bio: Mr Stephen Penneck

- ISI President-Elect
- Honorary Officer for Official Statistics at the Royal Statistical Society
- President of the IAOS 2011 - 2013
- Retired in 2012 as Director General at the UK's Office for National Statistics (ONS)
- Chair of ISI's Advisory Board on Ethics
- Fellow of the Royal Statistical Society
- Chartered Statistician

Hopefully his leadership can

- Further strengthen the network among statisticians and scientists around the world
- Strongly emphasise the importance of ISI and its activities
- Increase ISI membership worldwide as well as the regional association's collaboration
- Enhance high-quality contributions in ISI statistical activities, especially attracting the younger generation to create networking with highly experienced experts and statisticians



POPULATION & HOUSING
CENSUS MALAYSIA 2020
YOUR DATA IS OUR FUTURE

ROLE MODELS in Asia-Pacific

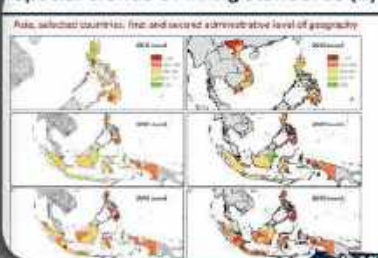


5.0 MALAYSIAN WOMEN IN POLITICAL ROLE



- Political empowerment sub-index remains the largest gap in Malaysia Gender Gap Index (GGI)
- Women are under-represented on the political side and only scored 8.108 as compared from the Malaysia Gender Gap Index 2019 (MGGI 2019)
- Despite women comprises 49 per cent of Malaysia's total population, there were only around 11 per cent of women legislature and these results stunted women participation as policymakers (Amesuch, 2020)
- Typically, Malaysian women have not had a significant part in statecraft or politics in the past or now (Mehmetian, 2019). Malay women's importance in economic and social affairs has not translated into leadership roles in the public or political realms, with a few exceptions

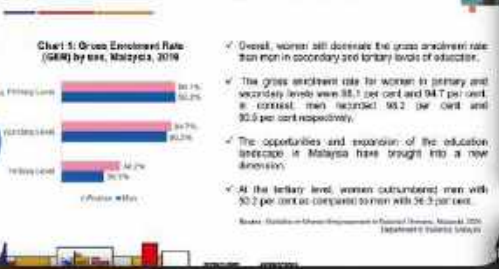
Spatial trends of living standards (2)



Motivation: Indicator System

How do we assess performance of every country?
How to monitor progress?
How to implement policies/intervention measures geared towards achievement of the goal?

MEASURING FEMALE EDUCATION IN MALAYSIA



- Alarming low attention paid to equality measures
 - Alternative, family-friendly working time models (7.6%)
 - Regulations against gender discrimination (6.3%)
 - Support in the period before and after childbirth (3.4%)
- Substantial differences between sectors: Public administration (61%) vs. Construction (9%)
- Discrepancy between Blau scores: Average heterogeneity on websites is 40% higher compared to the executive level.

Cost and performance: a composite indicator for separated waste collection in Italy

Carlo Cavicchia, Pasquale Samacchiaro, Maurizio Vichi
Department of Economics, Management, and Institutions, University Politecnica di Napoli
Department of Statistical Science, Sapienza University, Rome

ISI World Statistics Congress, July 16, 2021

The 63rd ISI World Statistics Congress
The Hague, 11-16 July 2021
IPS119: Creating a Better World using composite indicators

CIDI Approach to Individual Based Composite Indicator:
Project Management Case Study in Serbia

The 63rd ISI World Statistics Congress
The Hague, 11-16 July 2021
IPS 11: Creating a Better World Using Composite Indicators

Strategies in Index Construction with High Dimensional Indicators

IPS Non-Live 67 - Capturing Informal and Micro Economy in the Era of Digital

ICT-Enabled Services

ICT-enabled services are defined as "Services that are delivered remotely over ICT networks and include activities that can be specific, personal, delivered, expanded and consumed electronically" (ISI, 2020: 20)

Substantial ICT Enable Services

1. E-governance
2. E-commerce
3. E-learning
4. E-health
5. E-transport
6. E-entertainment
7. E-education
8. E-employment
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97. E-education
98. E-employment
99. E-entertainment
100. E-education

SIIM INTERIM REPORT

Informal Sector and Micro Industry Profile (ISIM) 2020

Definitions, Methodologies, Key Findings

INVITED PAPER SESSIONS
Capturing Informal and Micro Economy in the Era of Digital
11 - 16 JULY 2021
DR. MOHD UZIR MAHDIN
STATSMalaysia
www.DOSM.gov.my

Closing Ceremony

Thank you!

ISI Colleagues
Sponsor and Associate Organizations
ISI, Committee, Working Group members
ISI program leaders
ISI Permanent Office Staff

Last call for ISI President (2019-2021)

ISI President (2019-2021)

ISI President (2019-2021)

Closing Ceremony

The Closing Ceremony will be held on 11 July 2021 at the Grand Ball Room of the Sheraton Hotel, Kuala Lumpur. The event will be held in a hybrid format, allowing participants to attend in person or via Zoom.



muhammad fadhil @fad_die · 3h
From time to time world gender gap has slightly narrowed. In consequence of SDG's goals "to achieve gender inequality and empower all women and girls", let's help our nation in bridging the gap.

@StatsMalaysia

#MyStats4Lives
#ISIWSC2021

Siti Khairunnisa Salleh @siti_kh...
The last day of The 63rd ISI WSC
IPS11 - Creating a better world using composite indicators
What is composite indicators??
It's measures multi-dimensional concepts example management and environment.
Great sharing from the great people 🙌
Department of Statistics, Malaysia
#MyStats4Lives
#isiwsc2021

DOSM - khairun...
The 63rd ISI World statistics Congress
The Hague, 11-16 July 2021
IPS 11: Creating a Better World Using Composite Indicators

Some Strategies in Index Construction with High Dimensional Indicators

Faiza Ruslianti Tajul Arca @faiza_r...
IPS 67 Capturing Informal and Micro Economy in the Era of Digital
Work in the informal economy is often characterised by small or undefined work places, unsafe and unhealthy working conditions, low levels of skills and productivity, low or irregular incomes, long working hours etc. Therefore, there is a need to formalise these types of economic activity in order to be recognised, registered, regulated or protected under government law, labour legislation and social protection.

#isiwsc2021
#MyStats4Lives

Informal and Micro Economy in the Era of Digital

Fatihah Ariffin @fatihariffin · 1h
"The reality is women are the child-bearers but not necessarily the child-rearers" @StatsMalaysia #ISIWSC2021 #MyStats4Lives

Wanrizwa @Wanrizwa1 · 6h
COVID 19 has change the way organisation operate by adopting technology to meet difficulties and boost competitiveness thru digital economy

Congratulation to all presenter. Great sharing 🙌🙌
@StatsMalaysia
#MyStats4Lives
#isiwsc2021

Fatihah Ariffin @fatihariffin · 1h
13 out of 58 countries have female as their chief statisticians @StatsMalaysia #ISIWSC2021 #MyStats4Lives

ROLE MODELS in Asia-Pacific

Department of Statistics, Malaysia
added 24 new photos to the album:
International Programmes 2021

INTERNATIONAL PROGRAMME
(Day-5@ISIWSC2021)

The Final Day of Congress, the final presentations of 17 IPS_LIVE, 3 SIPS_LIVE, and 7 CPS & Poster talks were successfully completed. Massive of experience, expertise and recommendations, ideas, methods, latest innovations are introduced and exchanged among peers. This has opened up the best opportunities in deepening our understanding of each important unit of statistics and prompted us to make further explorations and studies to venture into these new fields as well as enhance our knowledge and competencies.

A highlight of the day, the last event of the last day "Closing Ceremony of ISIWSC2021". The amazing closing began with the video presentation of Demographic. Thank you, Mr John Bailer, for your great leadership since 2019-2021 bringing this important statistics organization to the next level.

Congratulation to the next ISI President, Mr Stephen Penneck! Best wishes from Malaysia for the fabulous and outstanding leadership in further strengthening networking among statisticians and scientists worldwide by enhancing the ISI membership around the world as well the collaboration among the regional associations. Looking forward to the great event and activities developing an international statistical perspective.

Of course, this is the greatest week where many interesting, exhilarating and marvelous contributions from the Brilliant presenters

Thanks to everyone who was involved for great success! The WSC2021 was great! See you all at the next ISIWSC at Ottawa 2023!

Fatihah Ariffin @fatihariffin · 1h
"A strong leader understands they do not have all the answers but searches for talented and committed individuals who want to work on the goals you have expressed." @StatsMalaysia #ISIWSC2021 #mystats4lives

Mohammad Ilyas @24ilyas · 42m
Big data have assumed a crucial role in changing the global travel and providing significant challenges and opportunities for established the tourism industry.

#MyStats4Lives
#ISIWSC2021



DOSM congratulates and appreciates all speakers for their fabulous efforts and willingness to **share variety of informative findings** that allowed delegates and participants to **acquire new methods and ideas** in improving the official statistics for decision-making process

Congratulations

ACKNOWLEDGMENT

Without a doubt, this has been the greatest week where we could experience first-hand the interesting, exhilarating and marvellous contributions from brilliant presenters.

Our appreciation to everyone involved in this journey of success! Special thanks to all DOSM representatives for their outstanding performance in this Congress as the speakers, session organisers, and participants.

Highest gratitude to ISI Secretariat for their hard work in ensuring the huge success of this congress.

This year's the virtual International Statistical Institute's 'World Statistics Congress –The Hague' has been a great success!

We look forward to welcoming Ottawa, Canada in 2023; and Best wishes to the next host of ISIWSC 2023.

Thank You & Stay Safe!

