

This situation leads to massive increase in demand on granular information to analyse and lessen the impact of labour market due to the health crisis.

is a strong relationship between job vacancies and number of employed persons.

Eze Onyebuchi Michael, Atuma Emeka and Egbeoma Nwigboji Emmanuel (2016) studied on the relationship and impact of unemployment on economic growth in Nigeria.

unemployed persons who may stop looking for job.

- **Data Sources**
- Quarterly Labour Force Survey
- **Quarterly Employment Statistics** 0
- 0 **Quarterly Gross Domestic Product**

## Results

- GDPCO were stationary at level while VAC, UNEMPR, UNEMP and EMP become stationary after first differencing at 5% and 10% critical values.
- Table 1: Augmented Dickey-Fuller (ADF) Unit Root Test at Level and First Difference

Level				1 <sup>st</sup> Difference		
Variables	ADF Statistics	5% Critical Value	10% Critical Value	ADF Statistics	5% Critical Value	10% Critical Value
Vac	-1.775068	-3.052169	-2.666593	-3.995339	-3.065585	-2.673459
Unempr	-1.433945	-3.052169	-2.666593	-3.844047	-3.065585	-2.673459
Unemp	-1.355946	-3.052169	-2.666593	-3.844047	-3.065585	-2.673459
GDPCO	-3.600862	-3.065585	-2.673459	-	-	-
Emp	-0.556565	-3.052169	-2.666593	-4.064237	-3.065585	-2.673459

Methodology

### Variables used

- Number of vacancies 0
- Employed persons 0
- 0 Unemployed persons
- Unemployment rate 0
- Real gross domestic product 0
- The optimum lag selected by using 2 FPE, AIC and HQ are 1. Therefore, possible model, VAR (1) is estimated using the optimal lag selected.

There are four (4) unidirectional 3 relationship recorded p-value that is lower than 0.05 which were:

- VAC and EMP: (i) VAC and GDPCO;
- (ii) (iii) VAC and UNEMP; and
- (iv)VAC and UNEMPR.

This implies that it is VAC leads to EMP, GDPCO, UNEMP and UNEMPR in Malaysia.

# **Tests using EViews**

- Unit root test
- to examine stationarity Vector Auto Regressive model
- to obtain optimum lag length selection Granger Causality Test
- to examine causality between variables

#### Table 2: Lag Length Criteria

Lag	LogL	LR	FPE	AIC	SC	HQ
0	-917.9615	NA*	8.76e+43	115.3702	115.6116*	115.3826
1	-890.5632	34.24788	7.86e+43*	115.0704*	116.5190	115.1446*

#### Table 3: Pairwise Granger Causality Test

0				
Null Hypothesis:	Obs	F-Statistic	Prob.	
D(VAC) does not Granger Cause D(EMP)	16	12.7078	0.0035	
D(EMP) does not Granger Cause D(VAC)		0.67719	0.4254	
D(VAC) does not Granger Cause GDPCO	16	6.60419	0.0233	
GDPCO does not Granger Cause D(VAC)		2.77944	0.1194	
D(VAC) does not Granger Cause D(UNEMP)	16	14.6188	0.0021	
D(UNEMP) does not Granger Cause D(VAC)		0.61008	0.4487	
D(VAC) does not Granger Cause D(UNEMPR)	16	11.7081	0.0045	
D(UNEMPR) does not Granger Cause D(VAC)		0.83586	0.3772	

## Conclusion

# Discussion

The findings are significant for policy makers as there is an evident connection between the main labour market indicators. Looking at the situation of Malaysia, it is noticeable that the relationship exists between vacancies with the number of employed persons, real gross domestic product, unemployed persons and unemployment rate. This means that the number of job vacancies available in the labour market significantly influenced other key indicators namely employed persons, real gross domestic product, unemployed persons and unemployment rate. Therefore, the Government should monitor the number of job vacancies offered and created by economic activity continuously and appropriate strategies may be implemented based on the information. References

The economic disruption due to the COVID-19 pandemic led to steady redeployment of labour among economic sectors and caused changes to the labour market landscape. The impact of the pandemic among others are job losses, reduced incomes and many workers turned to informal employment. Hence, labour market continues to be a focus in the Twelfth Malaysia Plan with various initiatives and improvement plans need to be implemented to cater issued caused by the pandemic. The emphasis will be on expanding and create more job opportunities for Malaysian coupled with monitoring of labour market reform through key related variables.

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