

Unemployment Rate

EE406

Group C

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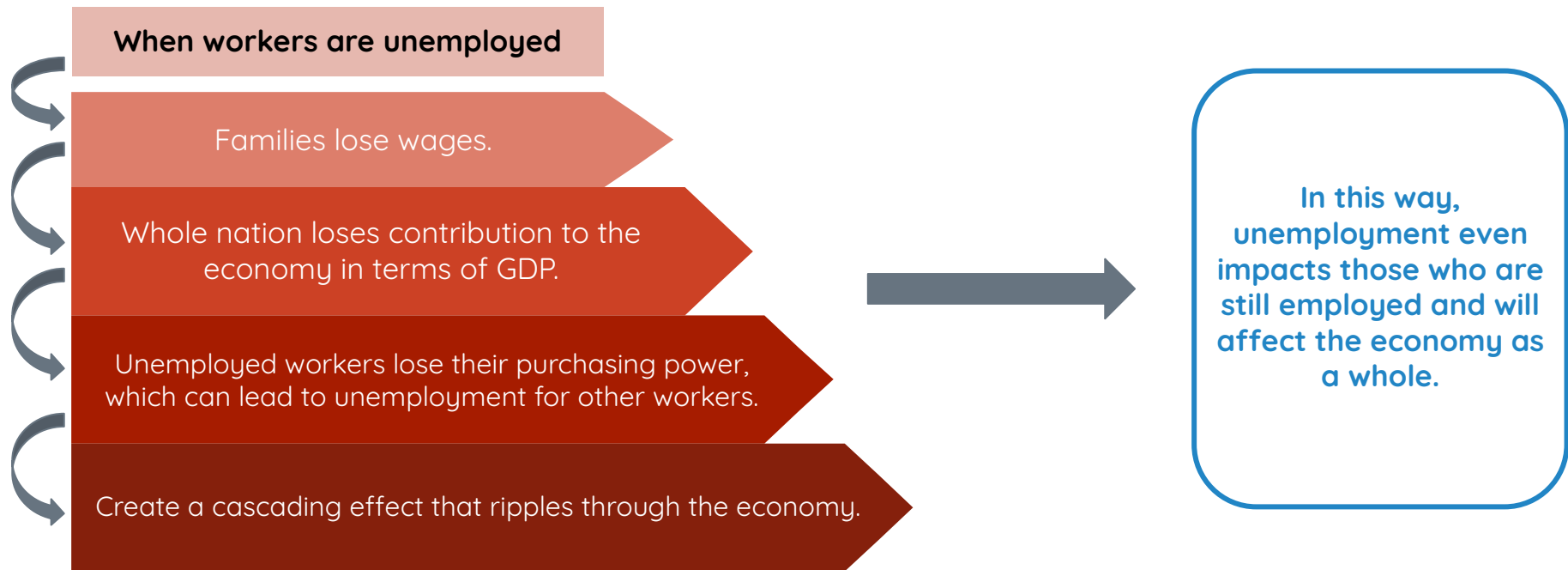
What is unemployment rate

- **Percentage of unemployed workers in the total labor force.**
- Key economic indicator of the performance of a country's labor market.
- Attracts a lot of attention during recessions and challenging economic times.
- It has a wide-ranging impacts across the broader economy.

SOURCE:

<https://www.investopedia.com/articles/economics/10/unemployment-rate-get-real.asp#why-the-unemployment-rate-matters>

Why does unemployment rate matter?



SOURCE: <https://www.investopedia.com/articles/economics/10/unemployment-rate-get-real.asp#why-the-unemployment-rate-matters>

Part II: Sources of data

Bank of Thailand

<https://www.bot.or.th/App/BIZSHR/stat/Graph/>



National statistical office

<http://www.nso.go.th/sites/2014/Pages/บริการสถิติสถิติพื้นฐานที่เป็นอนุกรมเวลา/อัตราการว่างงาน.aspx>



สำนักงานสถิติแห่งชาติ

Google Trend

<https://trends.google.co.th/trends/?geo=TH>



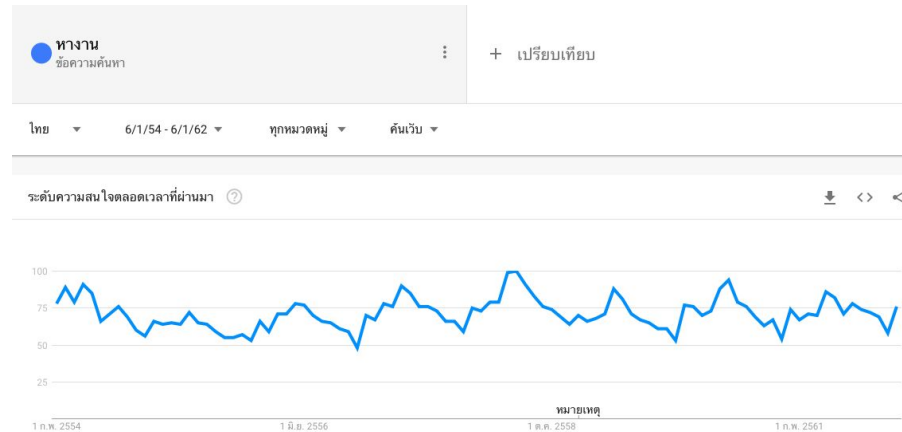
Investopedia

<https://www.investopedia.com>



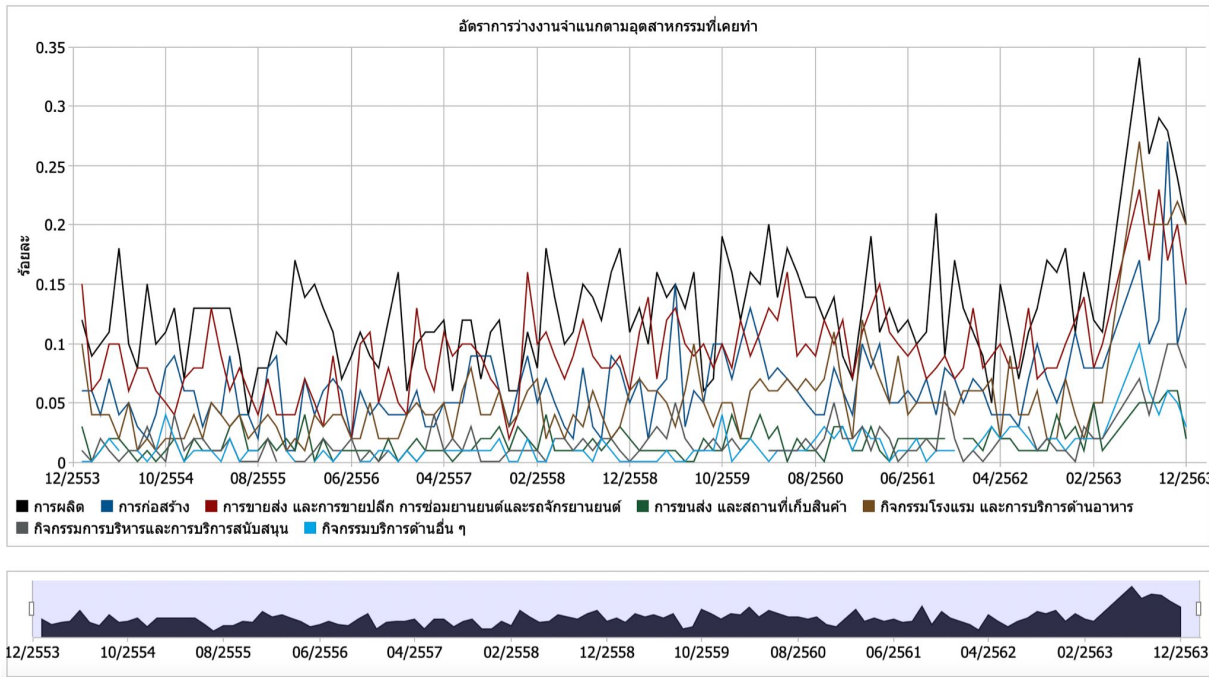
Part III: Briefs of analytical methodologies

The indicator is an **unemployment rate**. The keyword that used for google trend such as *หางาน* (job finding), *เทรดหุ้น* (stock trading) and *หาเงิน* (make money). Then the indicator and keyword were used to run regression. Also, the exogenous variable had shown that the unemployment rate is increasing.



Part IV: Results - Historical trends of conventional indicators

Unemployment rate classified by industry in Thailand from 2011-2019



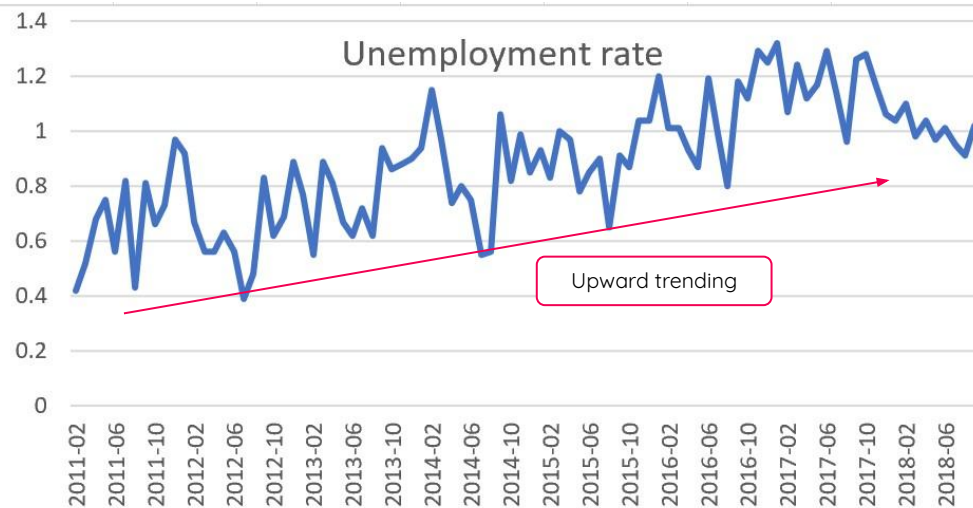
From 2011 to 2019, it indicated that the unemployment rate are gradually rising especially after the coup in 2013.

Moreover, the unemployment rate has rocketed in 2020 during the pandemic (COVID-19).

The industries which are affected the most are production, hotels and restaurants and the wholesale and retail company.

SOURCE: Bank of Thailand, <https://www.bot.or.th/App/BIZSHR/stat/DataSeries/31>

Part IV: Results - Historical trends of conventional indicators

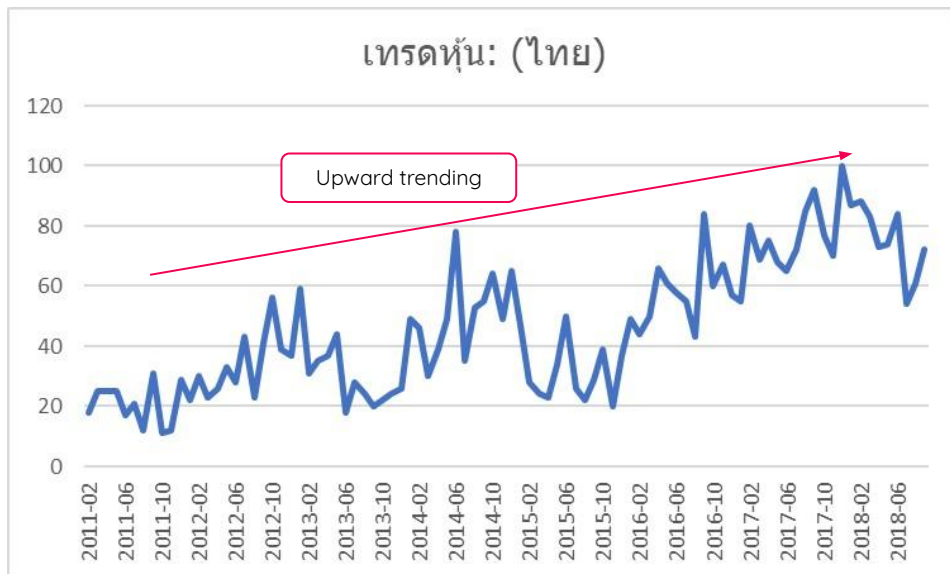


Economic indicator: **Unemployment rate**

- The graph trend tend to be increasing due to many factor such as the pandemic and Coup.
- The coup, started since 2014, causes a huge impact on Thai economy.
- Losing the credibility from foreign investors in the country contributes to layoff.

SOURCE: <https://www.bot.or.th/Thai/Segmentation/Business/Pages/UnemploymentRate.aspx>

Part IV: Results - Historical trends of alternative indicators

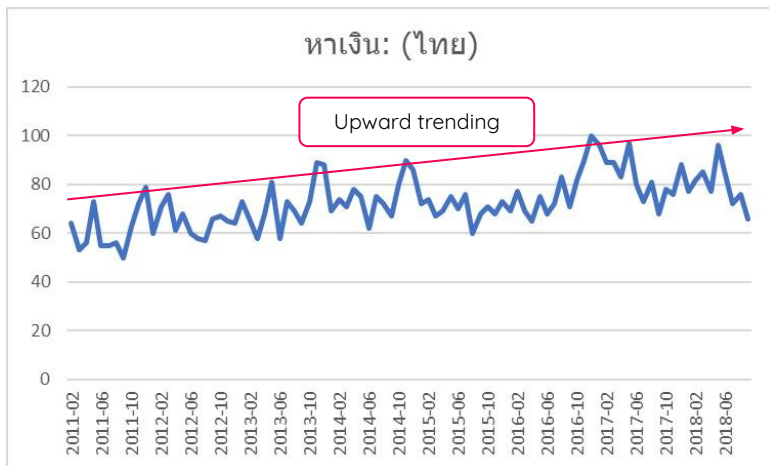


Keyword : เทรดหุ้น (Stock trading) :

- The number of search is significantly increasing.
- Showing the majority of people are interested in trading.

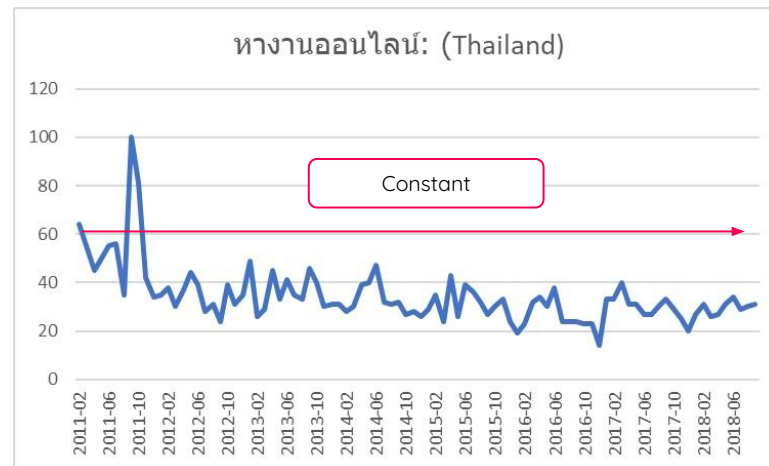
SOURCE: <https://trends.google.co.th/trends/explore?q=เทรดหุ้น&geo=TH>

Part IV: Results - Historical trends of alternative indicators



Keyword : หาเงิน (Make money) :

- The number of searching is also in the upward trending as people try to find the best job they can do.

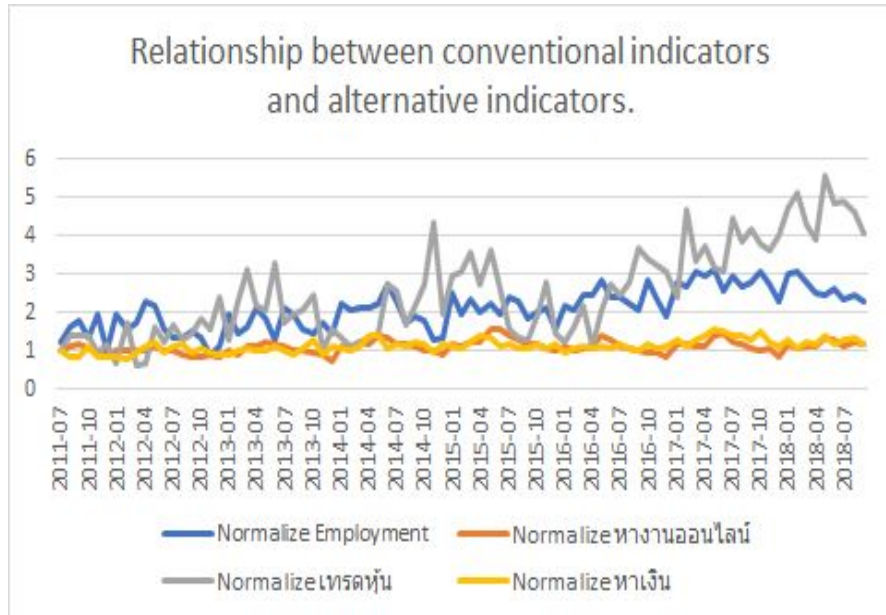


Keyword : หางานออนไลน์ (Find online job) :

- The trend tend to be in the side way so maybe this one is not that relatable.
- Can also imply that most of the people that want the actual job didn't pay attention on doing job online.
- Maybe because it new for them so this cause the trend to be in side way.

SOURCE: <https://trends.google.co.th/trends/explore?geo=TH&q=หาเงิน>

Part IV: Results - Relationships between conventional and alternative indicators



We choose these **3 keywords** which is **trading stock**, find **online job**, and **make money**.

- So for these relationship we can see that stock trading is the most relatable with the unemployment rate as the R square is the highest among these 3 keywords.
- According to the survey on the internet, most people who search for stock trading are people who were unemployed.
- People try to earn money while they are at home as passive income.
- However, the R square of the other keyword are not that high.
- Who searched for *make money, find job online and stock trading*, we also imply that those people are employed and try to earn more to increase their wealth.

SOURCE: <https://www.bot.or.th/Thai/Segmentation/Business/Pages/UnemploymentRate.aspx>

“ With regard to our result, it can be implied that we can use these keywords for a prediction in the future. However, this may not work efficiently since there are other factors that affect the unemployment rate such as current economic situation, and some unpleasant events, including COVID19 pandemic and coup. In conclusion, not only do these keywords impact on the unemployment rate but also the current economic situation. ”

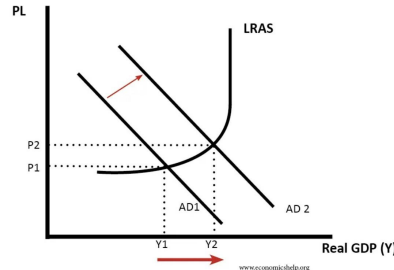
Summary

While unemployment rate had increased during 2011-2019, it is obvious that the key findings relates to job searching significantly rose in the same way.

Fiscal Policy

Increase AD by decreasing taxes and increasing government spending

Impact of Higher AD on Economy



Skill Development



Set a comprehensive skill :

Cognitive skills,
Socio-emotional skills,
Technical skills and Digital skills

SOURCE: <https://www.worldbank.org/en/topic/skillsdevelopment>
<https://www.economicshelp.org/blog/3881/economics/policies-for-reducing-unemployment/>

Thank you.

Q&A