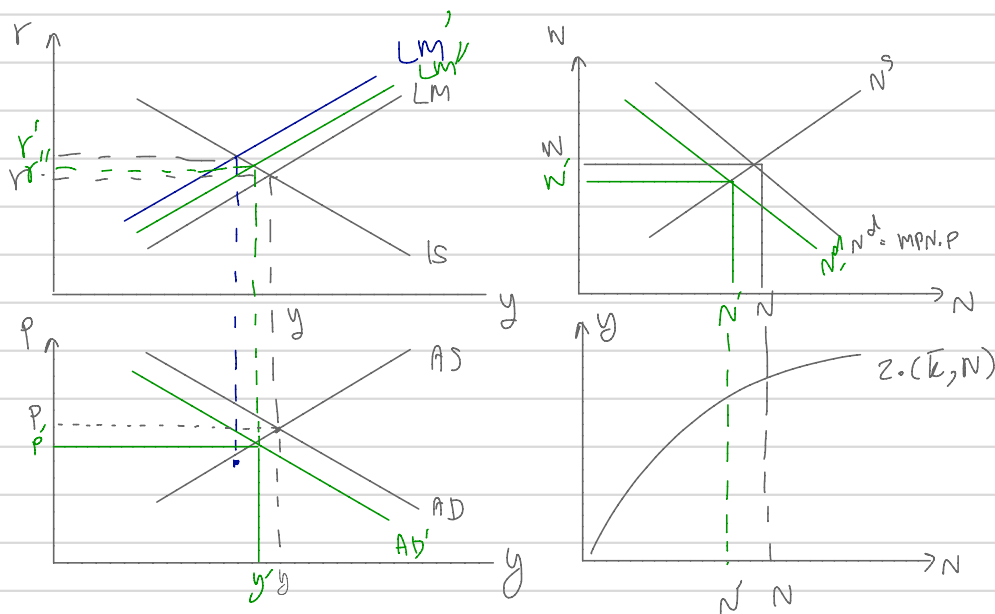
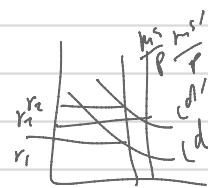


- 1.3) Within the core AD-AS model (4 diagrams), analyze the effects of a loss of confidence in risky stocks and bonds such as occurred in the 2007–09 financial crisis. What would likely be happening to output, interest rate, price, employment, consumption and investment?

holding more cash $\rightarrow L^d \uparrow \rightarrow r \uparrow \rightarrow C \downarrow, I \downarrow \rightarrow Y \downarrow$



The effect of a loss of confidence in risky stocks that impact to negative LM shock due to people want to holding cash more than before. First L^d shift up from people holding more cash that effect to interest rate increasing. Transmission LM shock shift up so interest rate increase so consumption and investment sector will decrease and then the output will decrease too. Next, due to impact of interest rate effect to AD shift down but they bring "excess supply" ($AS > AD$) and price effect put the price lower than the original price and the decreasing price effect LM shift down a little bit from the increasing of real money supply and the decreasing price still effect to the decreasing worker and wage. Finally, due to the lower in wage, numbers of labors will decrease also which can be seen in the lower right graph. The total production will be lower.

Question 1:

- 1.1) Explain why the classical supply curve is vertical. What are the mechanisms that ensure continued full employment of labor in the classical case?

The classical view that Long Run Aggregate supply is inelastic so that supply curve is independent of price, increasing price will not effect to increasing output in the other word the economist believe that in the long run, firms will always produce at the potential level of available resourca

Question 2

shock to trend growth is the primary source of the fluctuations in the new emerging markets. While the advanced markets already have a stable trend. Newly enter economy faces the volatile trend that determined the behavior of economy at business cycle frequency. Another reason is that the newly enter economy has to face the higher growth which will cause higher volatility. More risk then more return to before the advanced economy eventually.

Assignment 2 EE312 (Semester 2/2019)

1. Due Feb 13th, 2020 (before 11.30 pm. Submit your work on the BE Moodle.)
2. For question 1, even-numbered groups are assigned to do even-numbered sub questions.
3. Question 2 is required for every group.

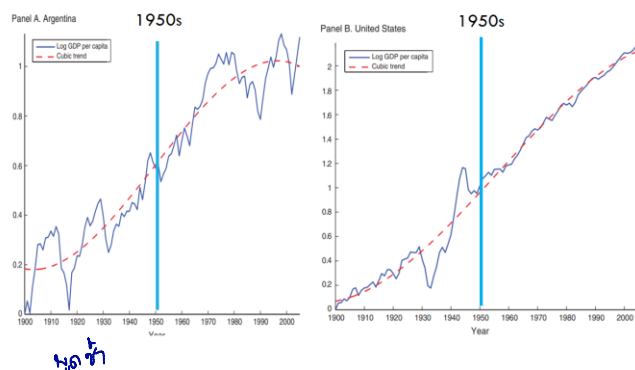
Question 1:

- 1.1) Explain why the classical supply curve is vertical. What are the mechanisms that ensure continued full employment of labor in the classical case?
- 1.2) How does the Keynesian aggregate supply curve differ from the classical one? Is one of these specifications more appropriate than the other? Explain, being careful to state the time horizon to which your answer applies.
- 1.3) Within the core AD-AS model (4 diagrams), analyze the effects of a loss of confidence in risky stocks and bonds such as occurred in the 2007–09 financial crisis. What would likely be happening to output, interest rate, price, employment, consumption and investment?
- 1.4) Within the AD-AS model (4 diagrams), analyze the effects of fiscal expansion that is accompanied by a monetary accommodation. Is the size of fiscal multiplier large under the situation?

Question 2: *Synthesizing your knowledge on business cycles*

Emerging market economies (EMEs) are typically claimed to have more unstable macroeconomic performances than those in advanced economy (AE). Plotted in the Exhibit A below are the series of real GDP per capita (measured in log scale) of Argentina (EM) and USA (AE). In each figure, the counterparts long-term trend of log real GDP per capita for each country are also included, where the cyclical deviations could be visually observed as the gap between the solid line and the dashed line. From your eyeball observation, it is fair to conclude that business cycle volatilities in the Argentina are way stronger than those in the USA, especially after the post-World War II periods.

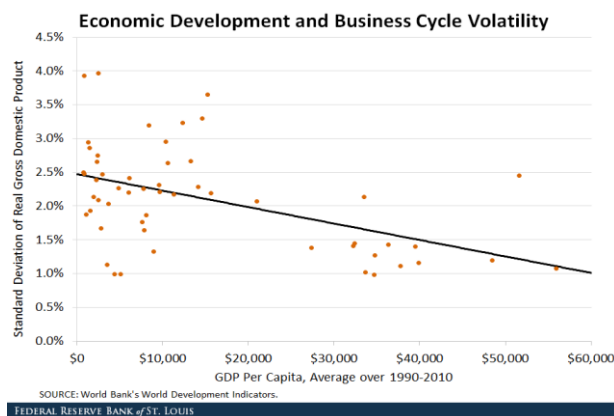
Exhibit A: US and Argentina business cycles



To reiterate the validity of this claim, one can generalize the analysis into larger sets of sampled countries. Plotted in the exhibit 2 below is the scattered points diagram that displays the linkage

between the level of economic development (the average of annual real GDP per capita between 1990-2010) and the level of business cycles volatilities measured by the S.D. of the cyclical component of real GDP (measured under annual frequency). From the exhibit, the relationship between the two variables appears to be negative; the higher level of economic development, the less volatile business cycle fluctuations. In the other words, advanced economy tends to have lower business cycle volatilities than emerging market economies.

Exhibit B: Business cycle volatilities and economic development



Studies using quarterly data have shown some similar patterns of business cycle volatilities as reported in the studies using annual data. For example, Uribe and Schmitt-Grohe' (2017) documented the stylized business cycle facts of 28 countries, eleven of which are classified as emerging market economies. They found that the average SD of emerging market business cycles are roughly 3 times higher than that of advanced economies.

Business-Cycle Statistic	Emerging		Rich	
	σ_y			
	8.7%		3.3%	

Rich Countries: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, Italy, Japan, Netherlands, Norway, Sweden, Switzerland, United Kingdom, United States.

Emerging Countries: Argentina, Israel, South Korea, Mexico, New Zealand, Peru, Portugal, South Africa, Spain, Turkey, and Uruguay.

Question Against the backdrop of the information provided above, economists attempt to seek for possible reasons that account for the cross-country empirical regularities. In lights of the discussion we had in class about the theory of business cycle fluctuations, explain the possible reasons that could account for the observed differences of business cycle volatilities.