# B.E. International Program

Faculty of Economics, Thammasat University

EE 462 Development Macroeconomics (Semester 1/2015)

## Group Project

### Instruction

- Each group is assigned a predetermined topic according to the table below.
- Each group member selects a country (according to the suggested list, or other county with my permission) and finds the data for the assigned variables. The data should be time series, say from 1980-2015. If the data for some years are not available, you can present the data from selected years (say, 1980, 1985, 1990, etc.). However, if the data for a particular variable are very limited for any country, you may want to substitute them with related variables.
- Once you obtain the data for at least four variables as suggested, put the data in tables, figures, or any format that is most comprehensive. You may also consider presenting two related variables on the same tables or figures in order to show their pattern or relationship. For instance, you may want to plot the level of CO2 against the country's GDP per capita and see if there is any apparent relationship. [Note that, in this latter part, you may need to obtain the data for variables other than those assigned to each specific topic.]
- After obtaining the tables and figures for data, each group member will write a country report pertaining to your assigned topic. Your report should illustrate your analytical skill, showing that you can relate the data to what we have learned in class and that you understand the context of that particular country. This report should not exceed 2 pages (double-space, 12 Times New Roman, 1-inch margin), excluding the tables and figures.

- Once all group members finish their report, everyone in the group needs to combine the data for the three (or four) countries and write a synthesis that illustrates a comparison (or contrast) across different countries. You may also include tables or figures that combine that statistics from 3-4 different countries. This part of the report should not exceed 2 pages.
- **Outputs** each group needs to submit/present:
    1. A report containing individual country reports and a synthesis. You should indicate each group member's responsibility at the end of the report.
    2. A powerpoint presentation (to be present in class and to be submit by email) that contains the summary of your group report. You should selected important points from your report and present them in a concise and precise manner. The number of slides should not exceed 20 slides).

**Assigned Topics:**

| No | Topic | Statistics | Country |
|---|---|---|---|
| 1 | Poverty | Poverty gap at $1.90 a day (2011 PPP) (%) | Bangladesh |
| | | Poverty gap at national poverty lines (%) | China |
| | | Headcount ratio at national poverty lines (%) | Botswana |
| | | Urban poverty gap at national poverty lines | Mozambique |
| 2 | Inequality | Income share held by the richest 20% | Chile |
| | | Income share held by the richest 20% | Peru |
| | | Ratio of income share held by the richest 10% over income share held by the poorest 10% | South Africa |
| | | Gini index | Cambodia |
| 3 | Education | Government expenditure on education, total (% of GDP) | Nepal |
| | | Net school enrollment, primary (male and female) | Mali |
| | | Net school enrollment, secondary (male and female) | Vietnam |
| | | Pupil-teacher ratio, secondary | Colombia |
| 4 | Population | Population growth (%) | Nigeria |
| | | Age dependency ratio | India |
| | | Fertility rate, total (births per woman) | Thailand |
| | | Net migration | Guatemala |
| 5 | Health | Infant mortality rate | Senegal |

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|---|---|---|---|
| | | Cause of death, by injury, communicable diseases, or non-communicable diseases (% of total) | El Salvador |
| | | Government expenditure on health, total (% of GDP) | Zambia |
| | | Health expenditure per capita (current US$) | Indonesia |
| 6 | Investment and Savings | Gross savings (% of GDP) | Malaysia |
| | | Gross domestic savings (% of GDP) | Madagascar |
| | | Gross capital formation (% of GDP) | Mexico |
| | | Portfolio Investment, net (BoP, current US$) | China |
| 7 | Foreign direct investment | Foreign direct investment, net (BoP, current US$) | Bangladesh |
| | | Foreign direct investment, net inflows (% of GDP) | Vietnam |
| | | Foreign direct investment, net outflows (% of GDP) | Brazil |
| | | Portfolio equity, net inflows (BoP, current US$) | Russia |
| 8 | Foreign Aid | Net ODA received (% of gross capital formation, % of GNI) | Afghanistan |
| | | Net ODA received per capita (current US$) | Laos |
| | | IBRD loans and IDA credits (DOD, current US$) | Ghana |
| | | IDA grants (current US$) | Tanzania |
| 9 | Foreign Debt | Debt ratios of GDP | Mexico |
| | | Short-term debt (% of exports of goods, services and primary income) | Argentina |
| | | Debt service on external debt, total (TDS, current US$) | Niger |
| | | Debt forgiveness or reduction (current US$) | Burkina Faso |
| 10 | Financial Policy | Inflation, GDP deflator (annual %) | Thailand |
| | | Official exchange rate (LCU per US$, period average) | Russia |
| | | Total reserves (includes gold, current US$) | Mexico |
| | | Money and quasi money (M2) to total reserves ratio | The Phillipines |
| 11 | Trade | Trade (% of GDP) | China |
| | | External balance on goods and services (% of GDP) | India |
| | | Exports of primary products (% of merchandise exports) | Venezuela |
| | | Tariff rate, applied, simple mean, all products (%) | Czech Republic |
| 12 | Sustainable development | CO2 emissions (metric tons per capita) | China |
| | | CO2 emissions from manufacturing industries and construction (% of total fuel combustion) | India |
| | | Forest area (% of land area) | Mexico |
| | | Electricity production from renewable sources, excluding hydroelectric (kWh) | Brazil |