**Excel**

1. Heatmap

Purchasing Managers Index (PMI) measures the economic health of the private sector companies. PMI above 50 means expanding and below 50 means contracting.

The heat map illustrates whether the country is in the safe region, i.e. blue region, or in the “caution” region, i.e. red region.

Skill sets: Calculating formulas such as sumproduct, sumifs, averageifs, vlookup; aggregate calculation based on individual countries; conditional formatting.

Picture part of the heatmap: enlarge when clicking.

2. High-frequency table

Linking Excel files to frequently updated csv files:

Under the Data tab, find “From Other Sources”

* From Microsoft Query
* <New Data Source>, then click OK
* Give the name of the data source
* Type of database: Microsoft Access Text Driver (\*.txt, \*.csv)
* Connect, and link to directory that include the csv files.

Use Pivot tables for Analysis

Link to the final table by Getpivotdata.

=GETPIVOTDATA("Value",PivotData2!$A$1,"Country","USA","Variable","FEDF","Date","2014")

Post pdf file that has generated by Anh Mai Bui in global weekly: enlarge when clicking.

<http://siteresources.worldbank.org/INTPROSPECTS/Resources/334934-1302024558568/7846453-1452546784534/DECPGWeekly_031116.pdf>

3. Chart pack

Producing line charts, bar charts, stacked charts, and other combination charts for the Latin America and Caribbean region in the Global Economic Prospects 2015-2016.

Link to Excel files

Link to the source: <http://www.worldbank.org/en/publication/global-economic-prospects>

4. Contributions to chart packs of research papers:

- Macroeconomic developments in low-income developing countries

- Negative interest rate policies: Sources and implications.

- Fiscal Policy and Longterm growth.

**II. Programming**

**Stata**

1. College research

Pooled regression, fixed effects and random effects regression to analyze the impact of tax rates on foreign direct investment (FDI).

Link to sample stata do files: pooled regression, random effects, fixed effects file only.

Result: Presentation slide, final paper, data file.

2. Potential output

Cooperated with Tatiana Didier to generate potential output in the Emerging Slowdown paper using the method described in Andrew et al.

Post a subset of the code in growth\_contribution.do

Post link to EMDE Slowdown paper.

**Eviews**

1. Generate tables using Eviews:

Post a small sample in macro\_table\_d.prg

2. Manage and maintain the global economic monitor database

Global economic monitor database is a high-frequency database developed by the Global Economic Prospects in the Development Economics Unit at the World Bank group. My responsibility working for the DECPG is to manage and maintain this database when on work duty.

Post: zip file.

Link to GEM website.

**R Statistics**

Cooperated with Zhujun Chen ’13 to generate data visualization to study the impact of statutory tax rate on foreign direct investment (FDI).

Post data set, R code, video.

Reference to: <http://web.grinnell.edu/individuals/kuipers/stat2labs/Animated.html>

**III. Web development**

**HTML**: simple HTML page

**CSS**: simple CSS layout

**Javascript**

**About: Anh Mai Bui**

**Information liked in resume and LinkedIn.**