### **Education Statistics**

by The World Bank

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- Education help country innovate

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- Let's see if those myths are true!!!

#### Dataset

#### **Education Statistics by World Bank**

- The World Bank EdStats All Indicator Query holds over **4,000 internationally comparable indicators** that describe education access, progression, completion, literacy, teachers, population, and expenditures. The indicators cover the education cycle **from pre-primary to vocational and tertiary education**. The query also holds learning outcome data from **international and regional learning assessments** (e.g. PISA, TIMSS, PIRLS), **equity data** from household surveys, and **projection/attainment data to 2050**. For further information, please visit the EdStats website.[1]
- Last Updated: March 13, 2020

### Some Interesting Data Preprocessing

How the data look like?

	Country Name	Country Code	Indicator Name	Indicator Code	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
0	Arab World	ARB	Adjusted net enrolment rate, lower secondary, 	UIS.NERA.2	NaN										
1	Arab World	ARB	Adjusted net enrolment rate, lower secondary, 	UIS.NERA.2.F	NaN										
2	Arab World	ARB	Adjusted net enrolment rate, lower secondary, 	UIS.NERA.2.GPI	NaN										
3	Arab World	ARB	Adjusted net enrolment rate, lower secondary, 	UIS.NERA.2.M	NaN										

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- Unpivot a DataFrame from wide to long format, optionally leaving identifiers set.
- This function is useful to massage a DataFrame into a format where one or more columns are identifier variables (id\_vars), while all other columns, considered measured variables (value\_vars), are "unpivoted" to the row axis, leaving just two non-identifier columns, 'variable' and 'value'.

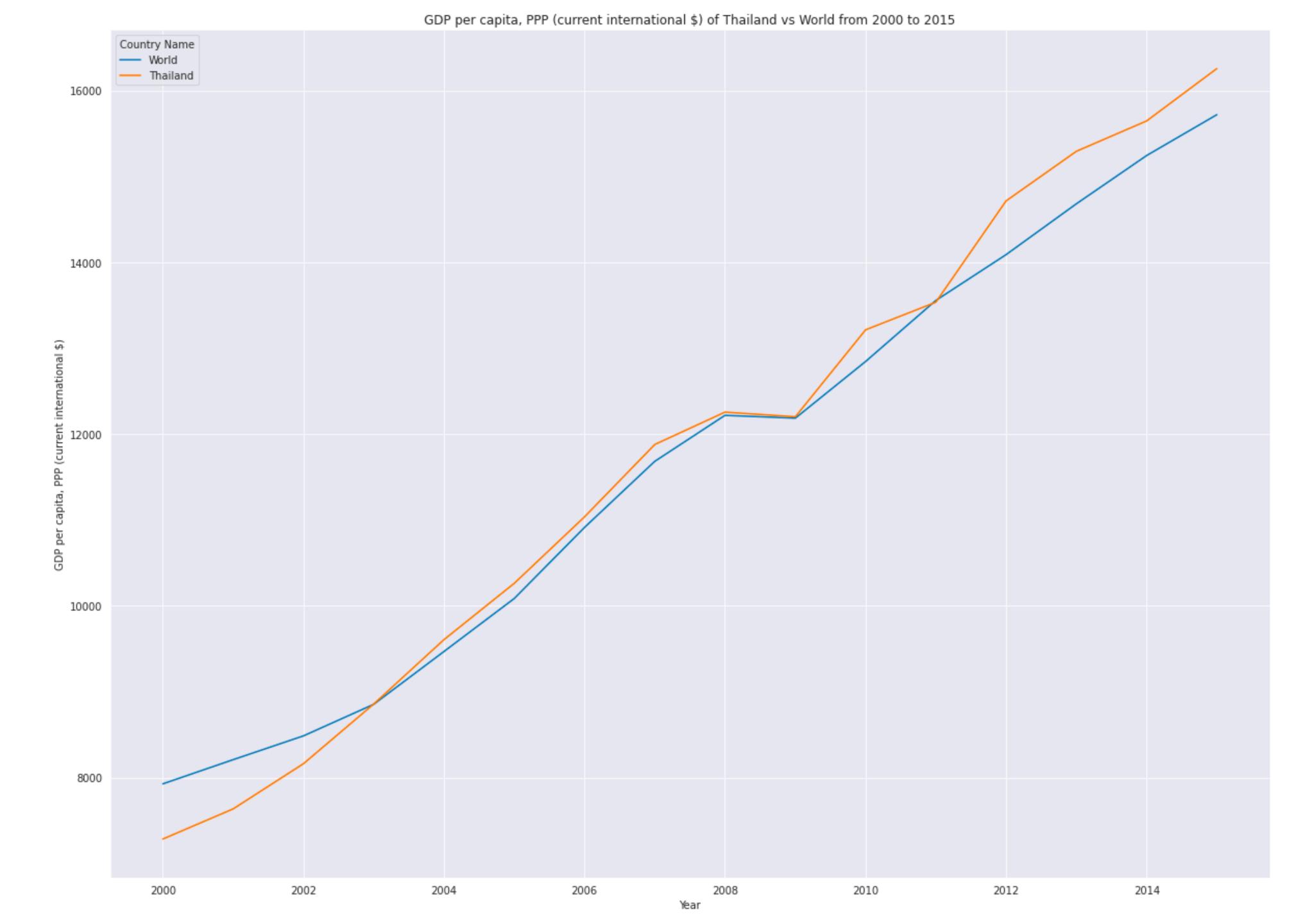
```
education = education.melt(id_vars=['Country Name',
'Country Code', 'Indicator Name', 'Indicator Code'],
var_name='Year',
value_name='Value')
```

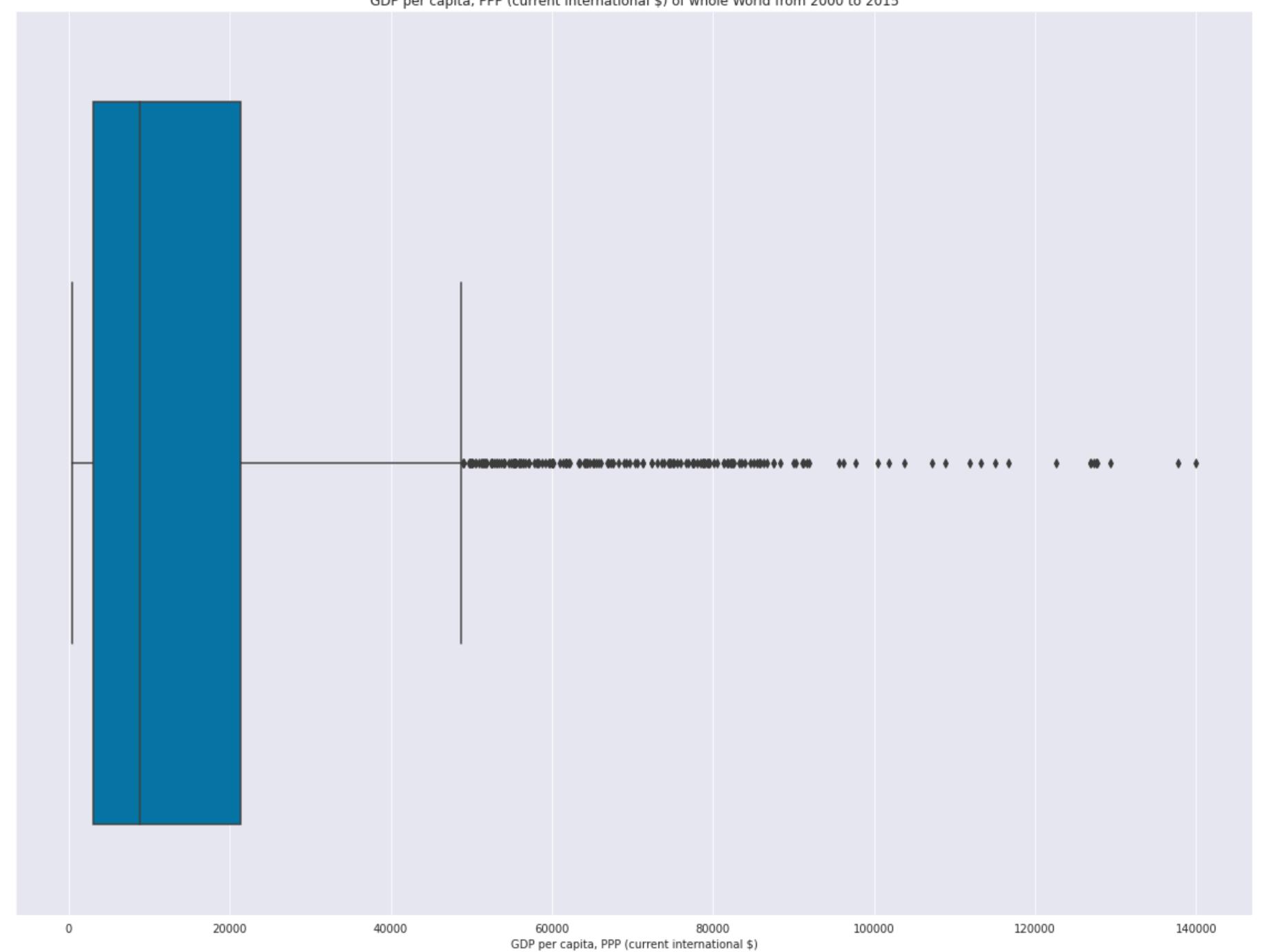
	Country Name	Country Code		Indicator Name	Indicator Code	Year	Value
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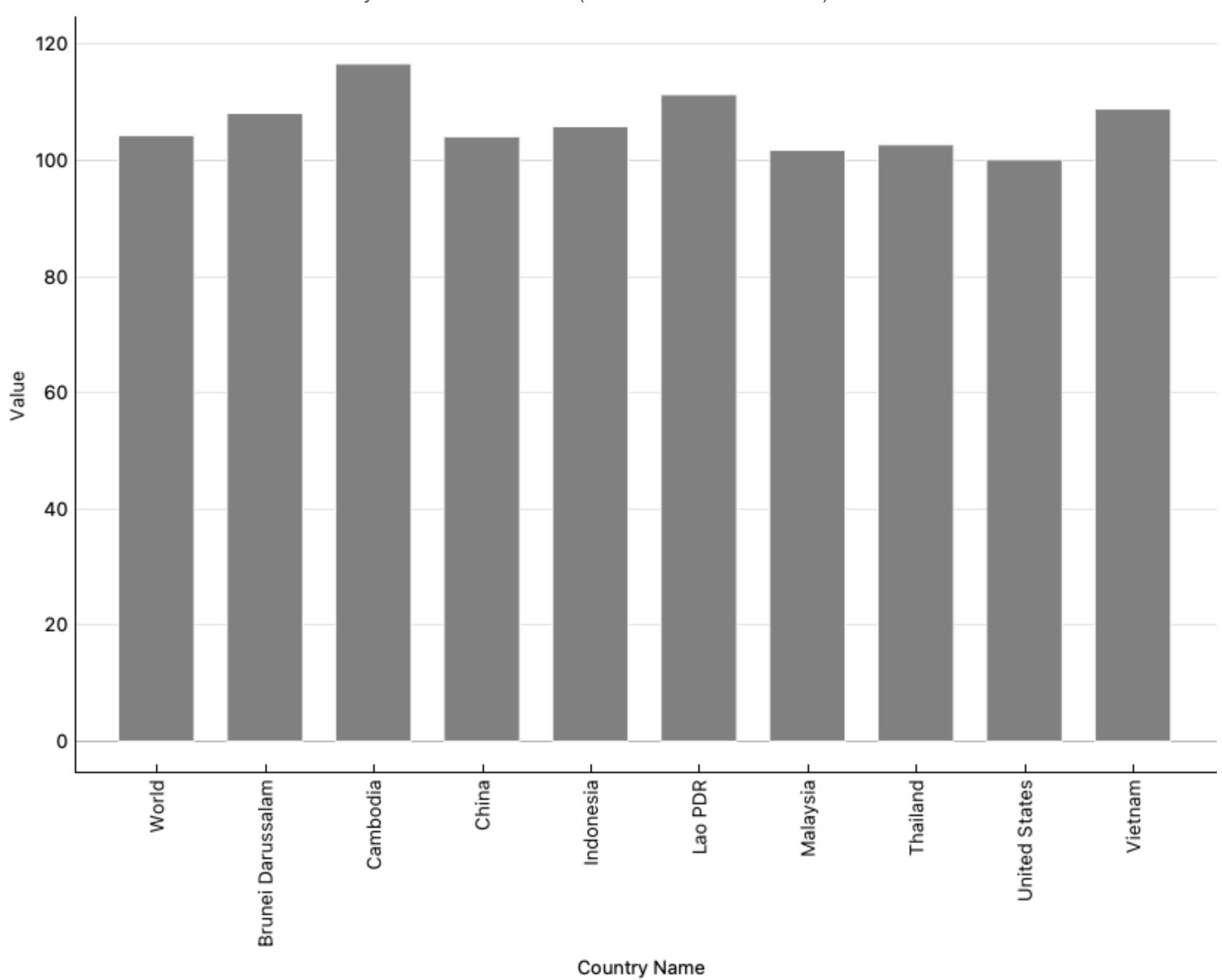
### Visualizations

# GDP (PPP) per capita (international current \$)



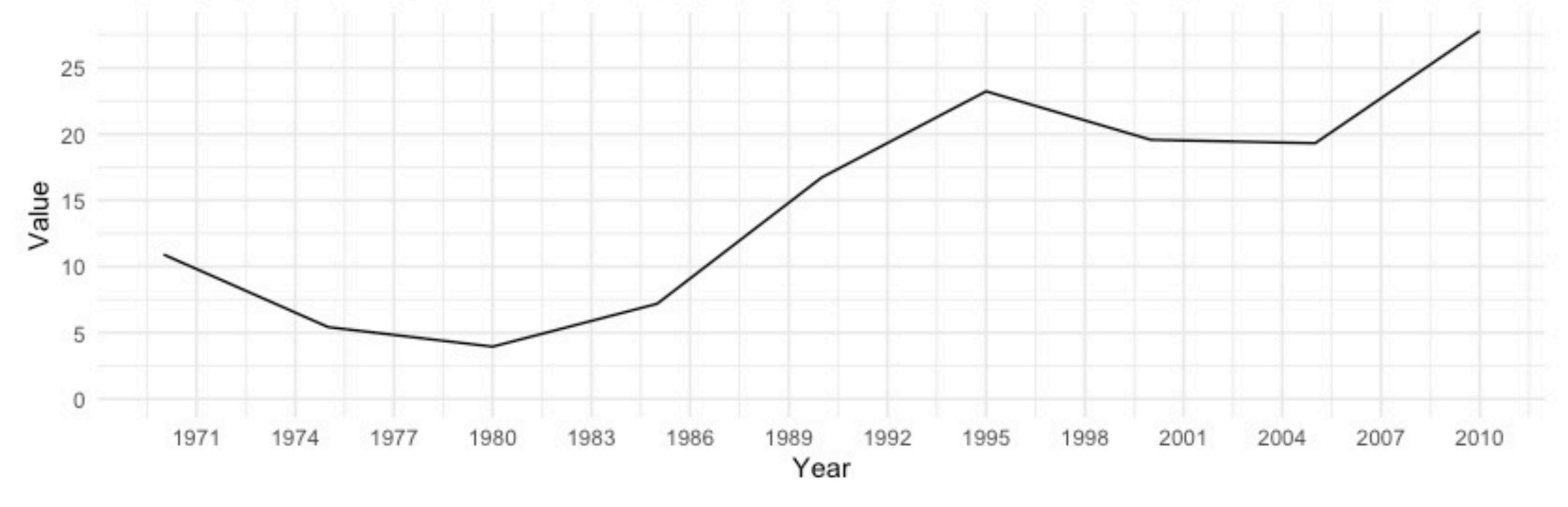


## Primary School Enrollment (GER)

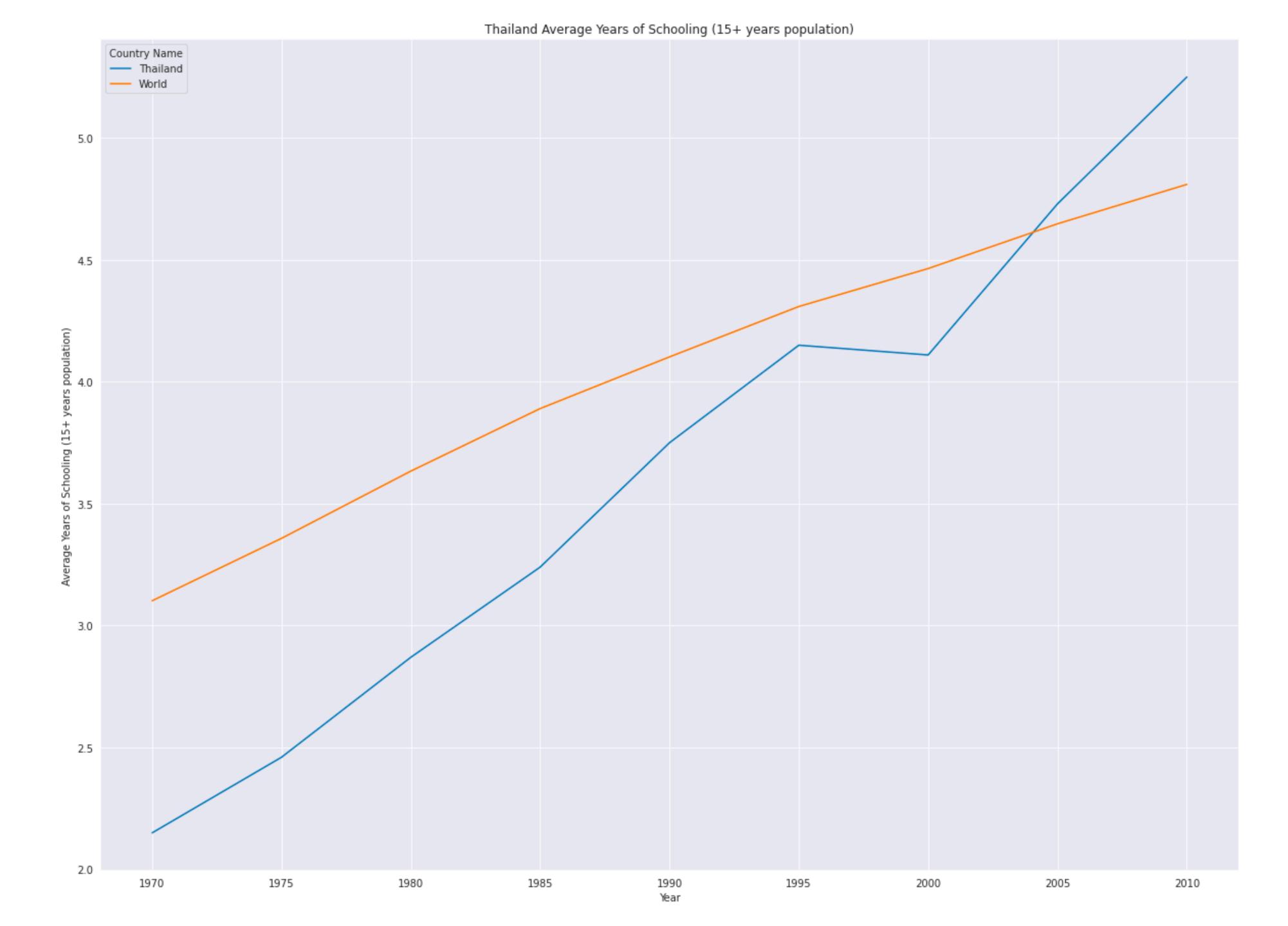


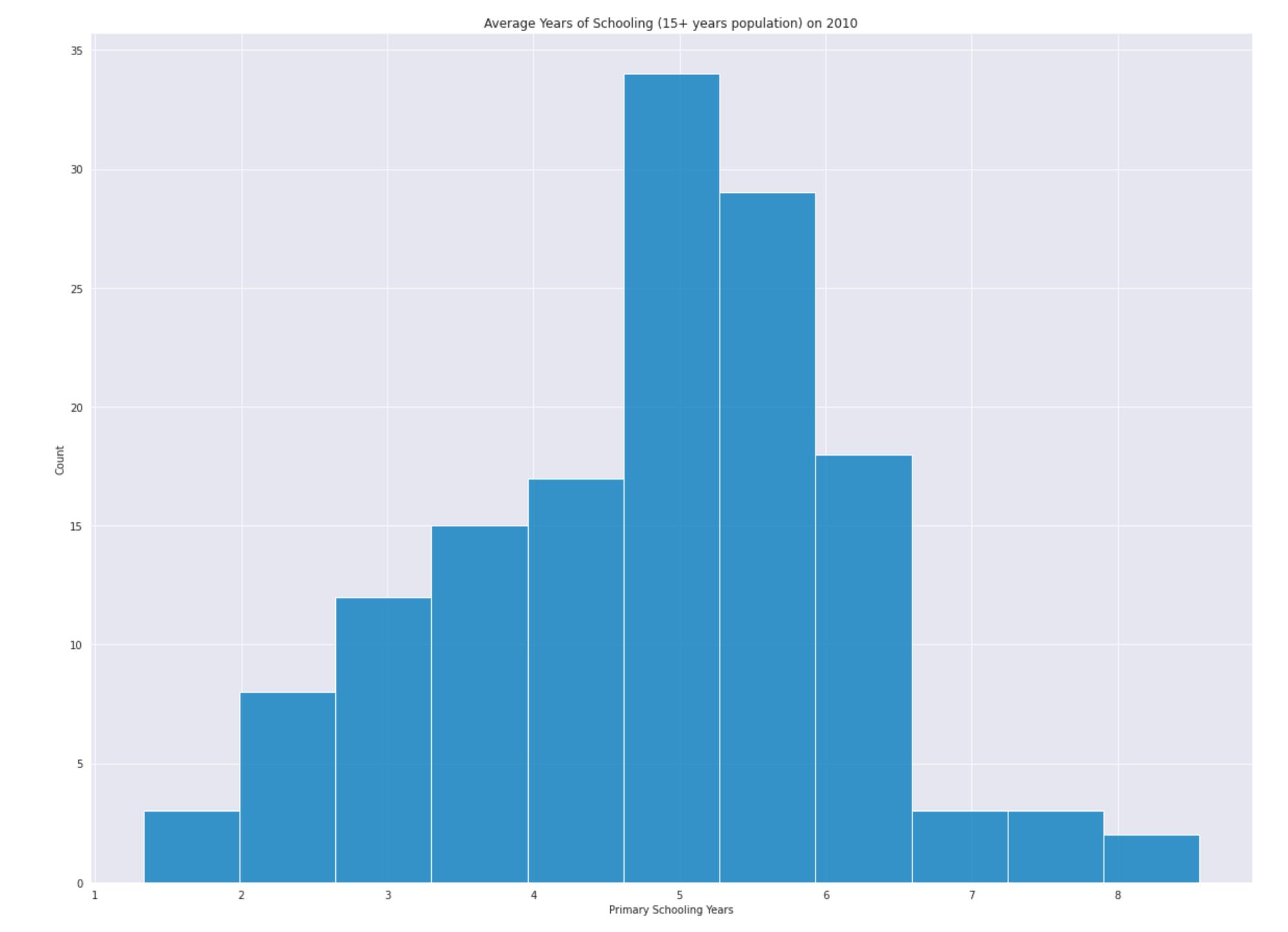
## Primary School Completed

#### Percentage of Primary Education Completed of Thailand from 1970 - 2010



# Average Primary Schooling Years (Population with age 15+)

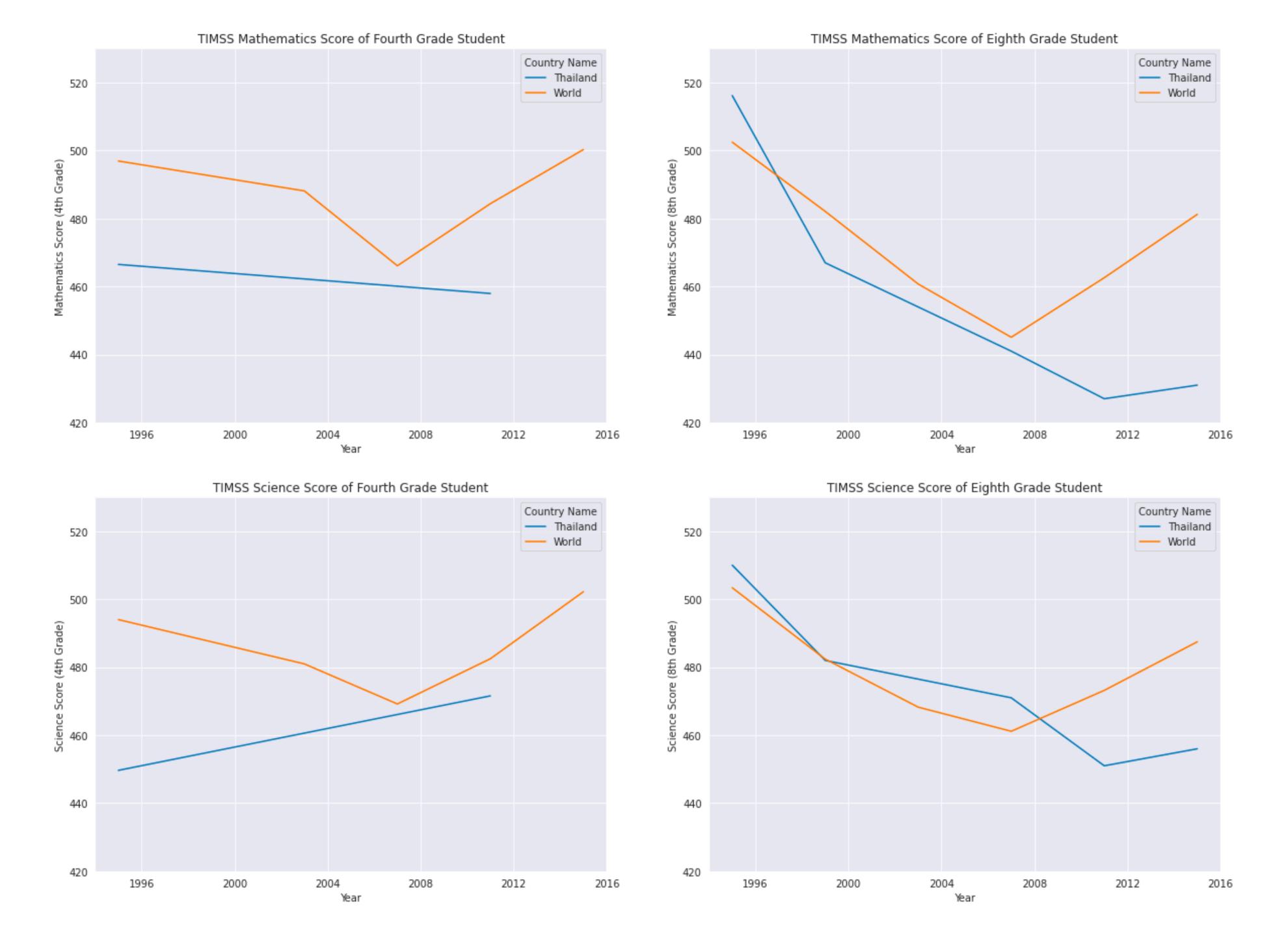


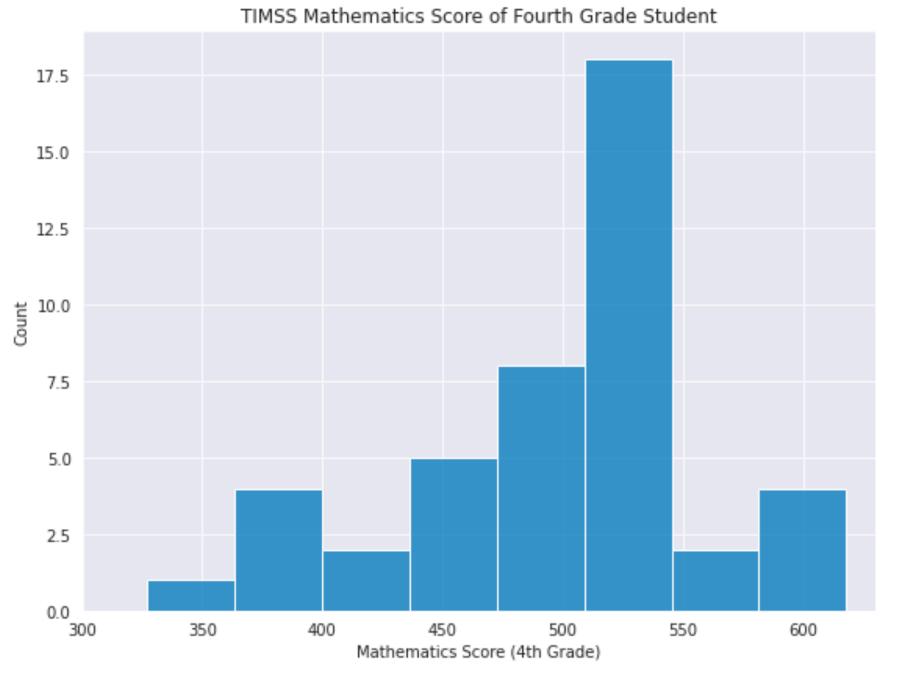


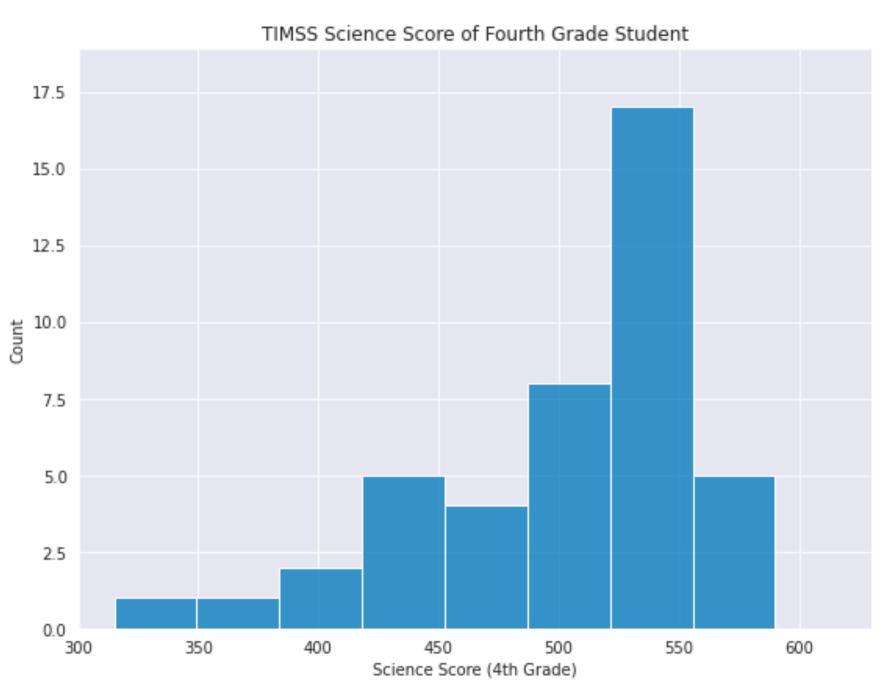
### PISA

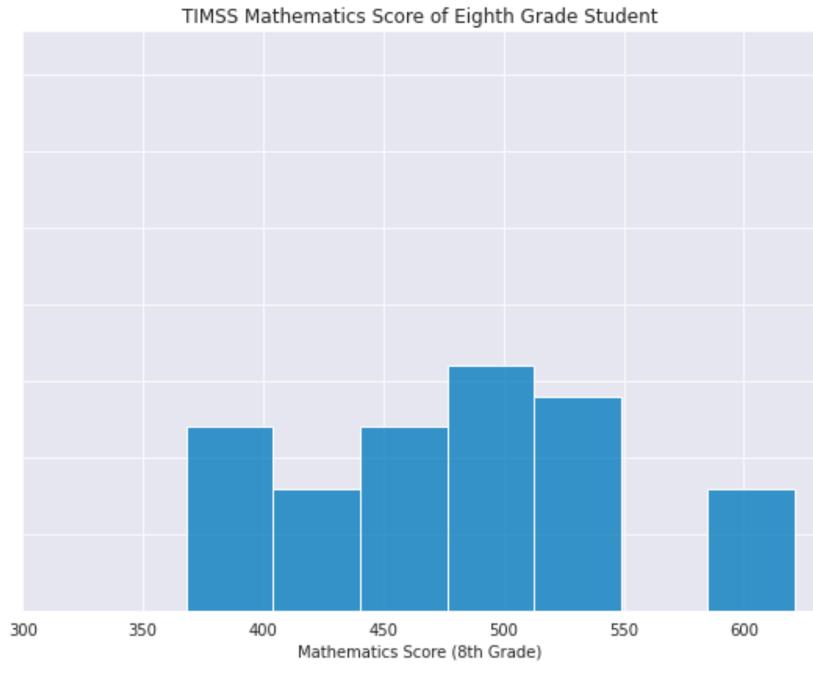
Year

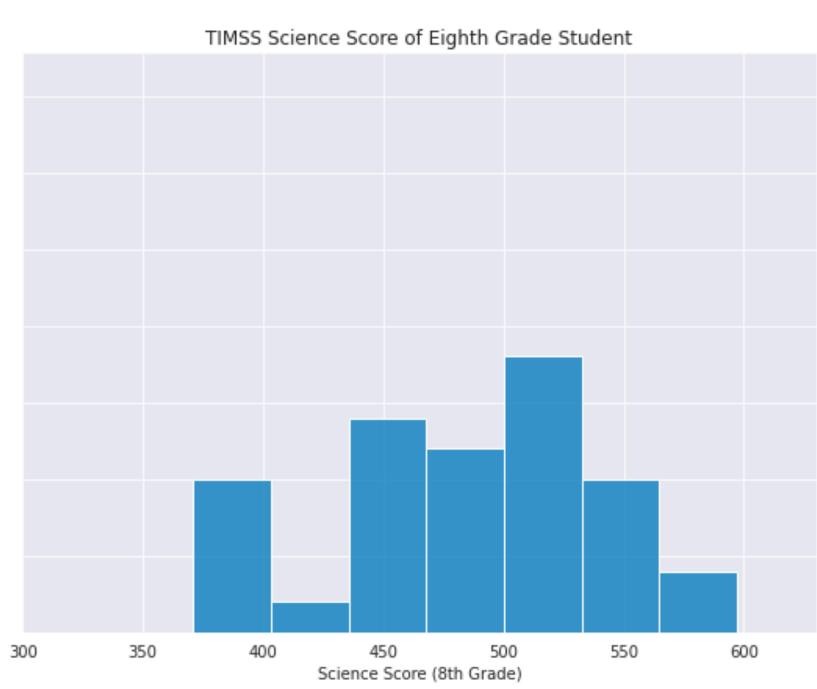
### TIMSS

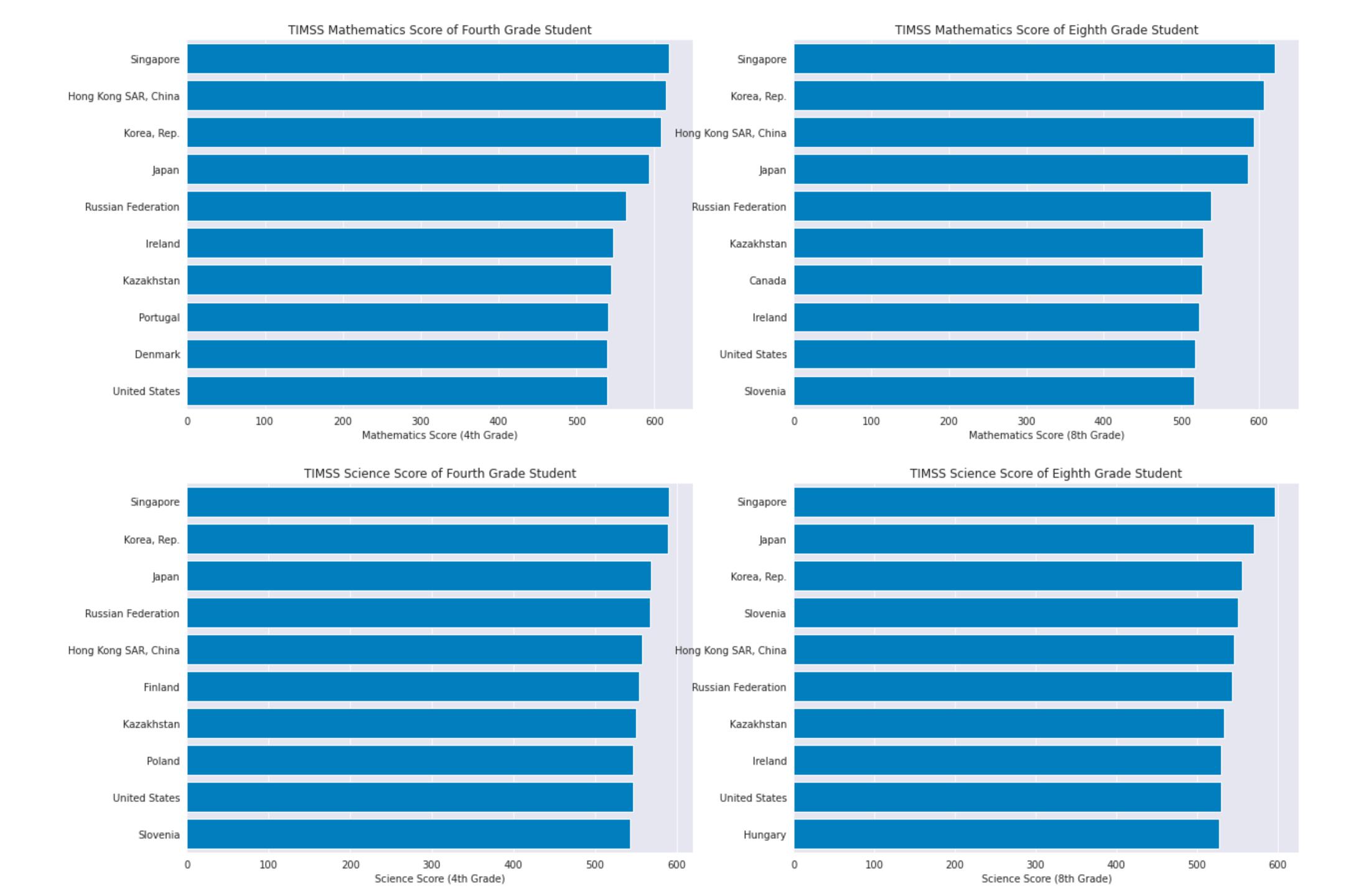












# Thank you