



Portfolio – Data Analysis

Sharon Henry

How globalisation has changed the world

I would like this analysis to be directed to the Investment/Global Markets sectors in Banking. My hypothesis is that globalisation has affected trade on a permanent basis. The data that I collected is the Gross Domestic Product (GDP) of developed and developing countries. I would consider the monetary value of exports and the location of these economies.

Firstly, I would sort and filter the data and remove errors and incorrect entries in the data. I then removed blank spaces and the dates that I did not want included.

I would use quantitative analysis and the measures of central tendency and the GDP data and would provide the answer I'm looking for.

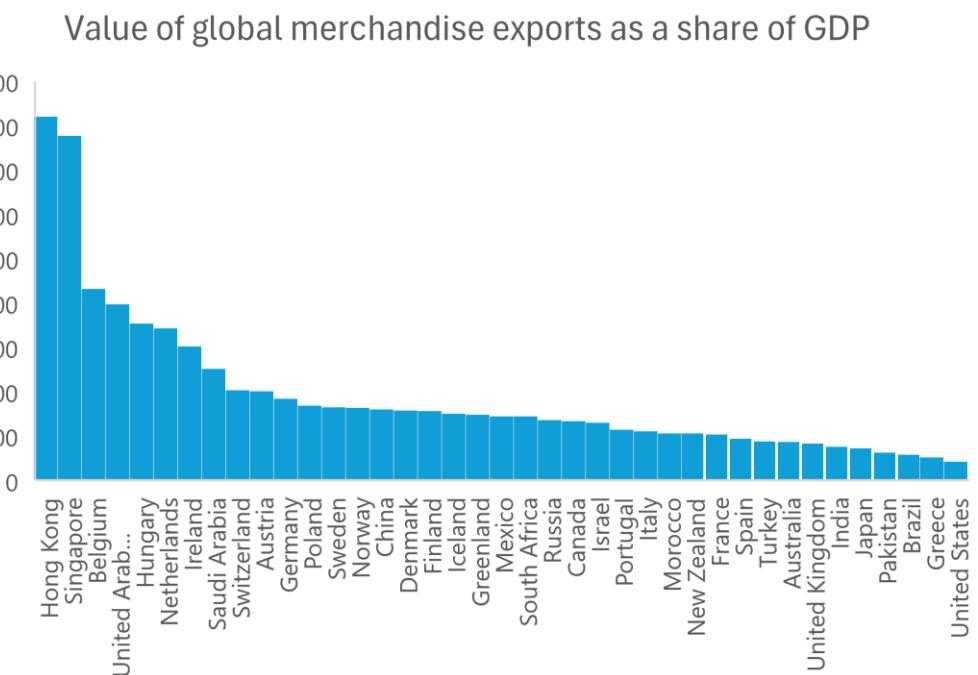
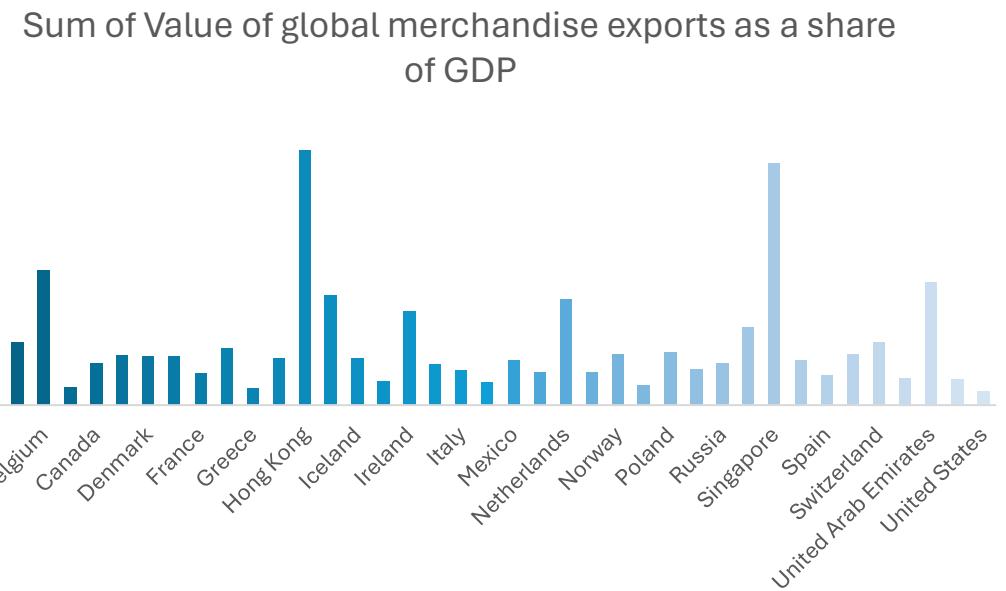
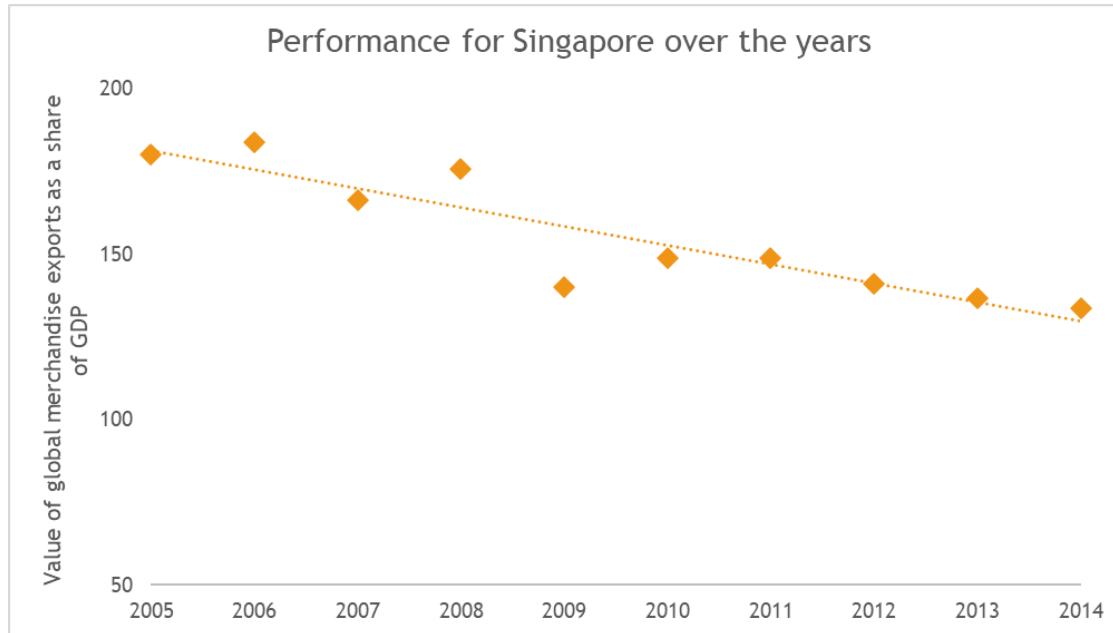
I wanted to know the value of global merchandise exports as a share of the GDP. The data shows me that the highest value of merchandise exports is in the Asia i.e. Singapore, Hong Kong and Belgium. The lowest value is found in Greece, the USA and Brazil. The highest value was in 2006 and the lowest value was in 2009. Belgium has the highest value of European countries, Hong Kong for Asia, UAE for the Middle East, Mexico for the Americas and South Africa for the African continent.

I represented these findings by creating data visualisations i.e. bar charts, line charts and a world map in Excel and could use Power BI also.

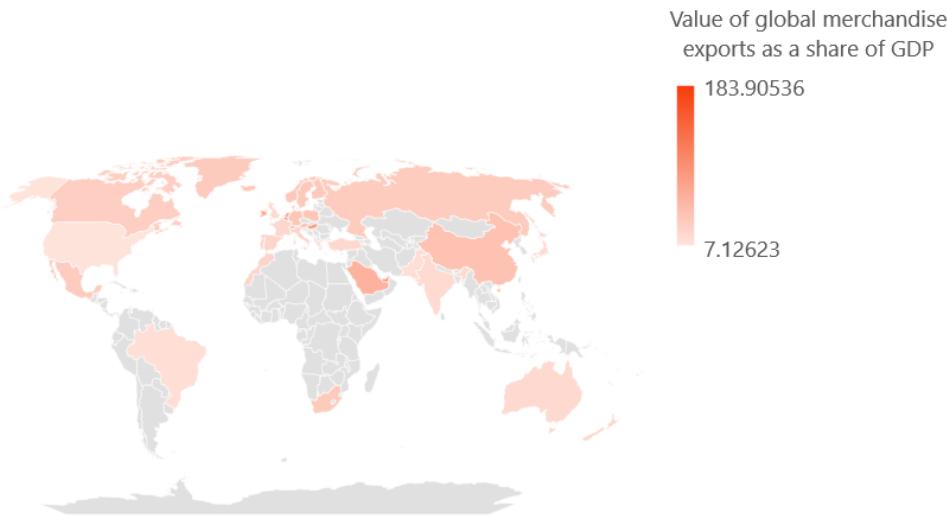
My data comes from Our World in Data website.

| Row Labels | Max of Value of global merchandise exports as a share of GDP | Sum of Value of global merchandise exports as a share of GDP |
|--------------------|--|--|
| 2005 | 180.23323 | 1473.20942 |
| 2006 | 183.90536 | 1511.59238 |
| 2007 | 166.29947 | 1502.58928 |
| 2008 | 175.92638 | 1564.66755 |
| 2009 | 148.91537 | 1346.89128 |
| 2010 | 170.72818 | 1454.02635 |
| 2011 | 172.70403 | 1539.62733 |
| 2012 | 168.7271 | 1545.54831 |
| 2013 | 166.53899 | 1527.23777 |
| 2014 | 162.74571 | 1500.8605 |
| Grand Total | 183.90536 | 14966.25017 |

| Value of global merchandise exports as a share of GDP | | |
|---|------|-------------------|
| Entity | Year | |
| Singapore | 2005 | 180.23323 |
| Singapore | 2006 | 183.90536 |
| Singapore | 2007 | 166.29947 |
| Singapore | 2008 | 175.92638 |
| Singapore | 2009 | 140.23941 |
| Singapore | 2010 | 148.83023 |
| Singapore | 2011 | 148.79073 |
| Singapore | 2012 | 141.1813 |
| Singapore | 2013 | 136.61855 |
| Singapore | 2014 | 133.76088 |
| Total | | 1555.78554 |



World Map



Powered by Bing
© Australian Bureau of Statistics, GeoNames, Microsoft, Navinfo, Open Places, OpenStreetMap, TomTom, Zenrin

Sum and Max of values of global merchandise exports as a share of GDP

