



Portfolio – Data Analysis in Excel

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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.

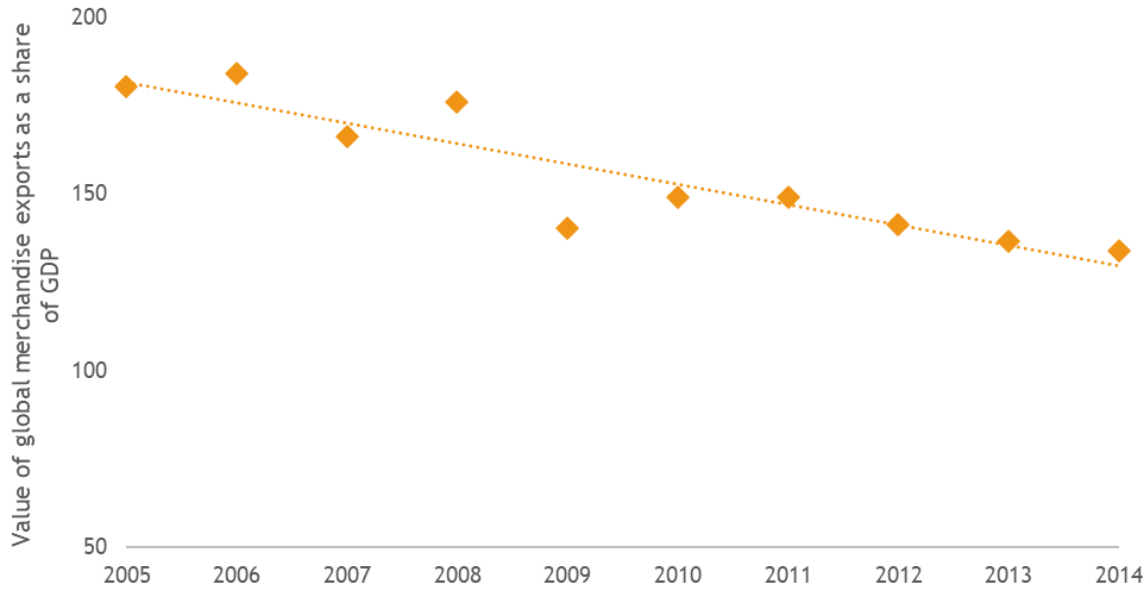
I represented these findings by creating data visualisations i.e. bar charts, line charts and a world map in Excel and could use Power BI also.

My data comes from Our World in Data website.

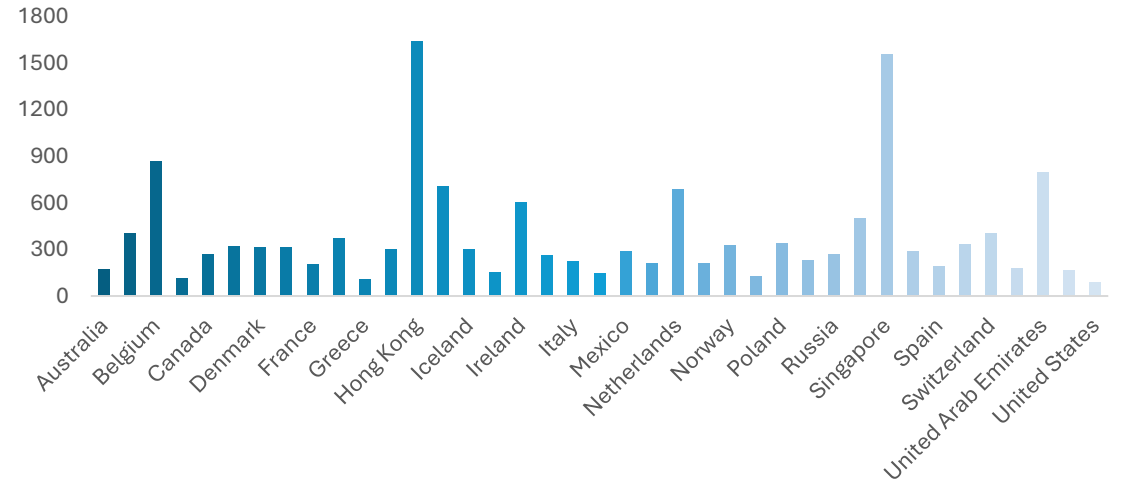
Row Labels	Max of Value of global merchandise exports as a share of GDP	Sum of Value of global merchandise exports as a share of GDP
2005	180.23323	1473.20942
2006	183.90536	1511.59238
2007	166.29947	1502.58928
2008	175.92638	1564.66755
2009	148.91537	1346.89128
2010	170.72818	1454.02635
2011	172.70403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

Entity	Year	Value of global merchandise exports as a share of GDP
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

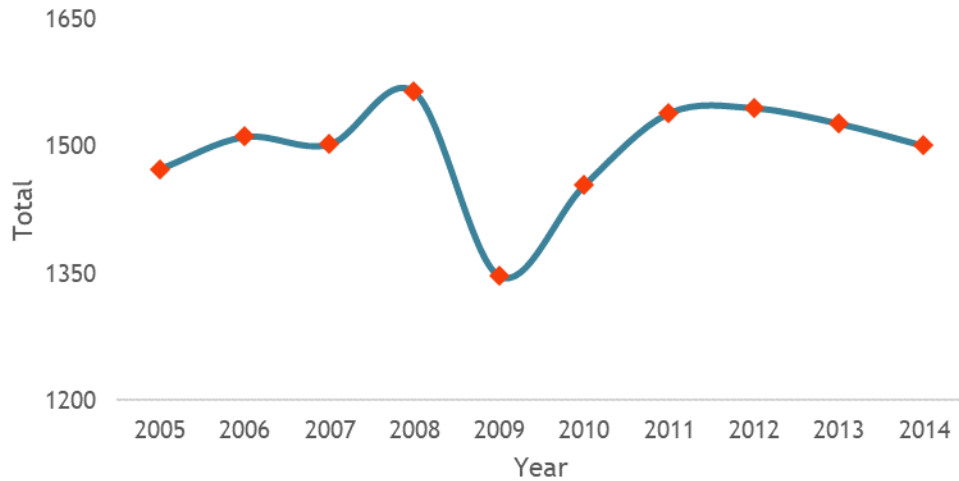
Performance for Singapore over the years



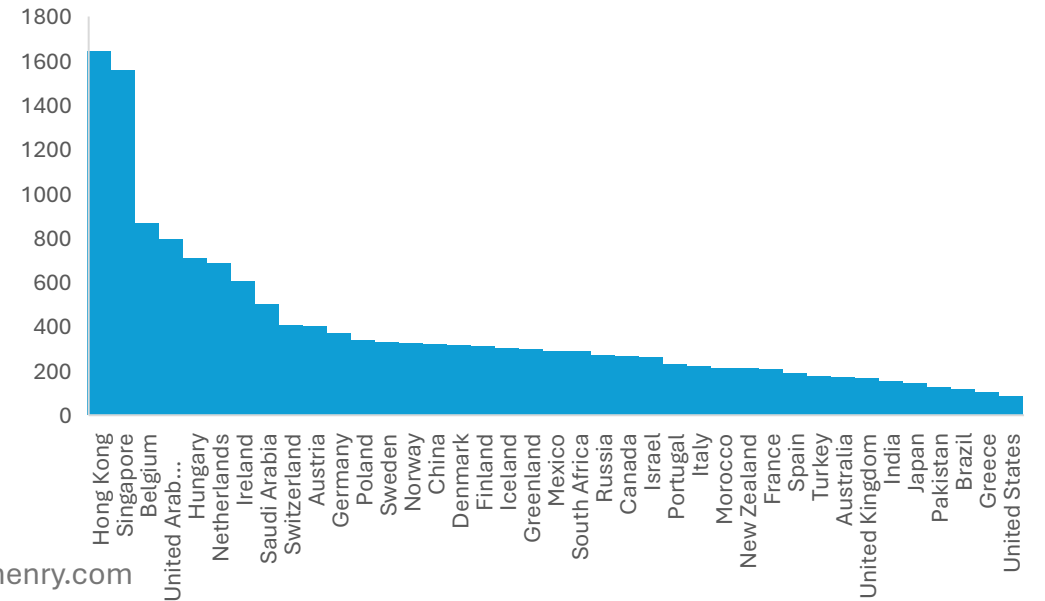
Sum of Value of global merchandise exports as a share of GDP



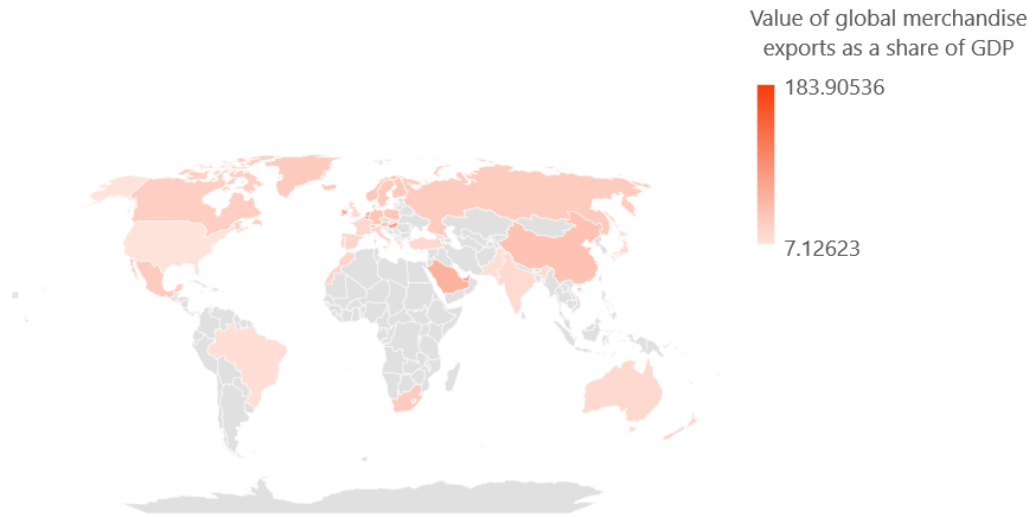
Sum of Value of global merchandise exports as a share of GDP



Value of global merchandise exports as a share of GDP



World Map



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



