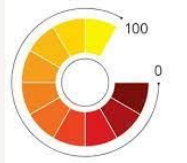




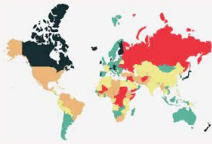
Peace and Corruption

CPI vs GPI



CPI

Corruption Perceptions Index - measurement of corruption on a scale of 0 (highly corrupt) to 100 (not corrupt)



GPI

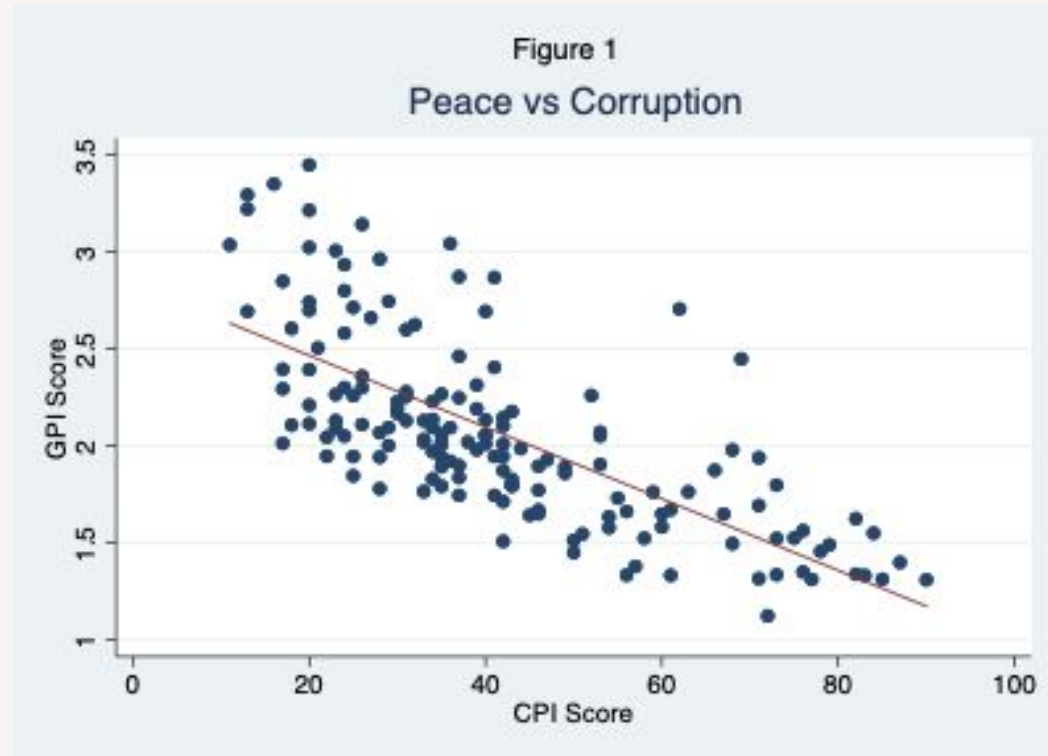
Global Peace Index - measurement of negative peace on a scale of 1-5



GDP

Gross Domestic Product - indicator of the nation's economic health

When comparing CPI and GPI, there appeared to be a correlation of -0.715.



Sources Used:

https://www.transparency.org/en/cpi/2023?qad_source=1&qclid=CjwKCAiAibeuBhAAEiwAiXBoJJZAUlw3LTBpPOT92VRKY_8B9atvXQQELhid0N0tCy1cb5B8WhSANrRoCLM4QAvD_BwE

<https://www.visionofhumanity.org/wp-content/uploads/2023/06/GPI-2023-Web.pdf>

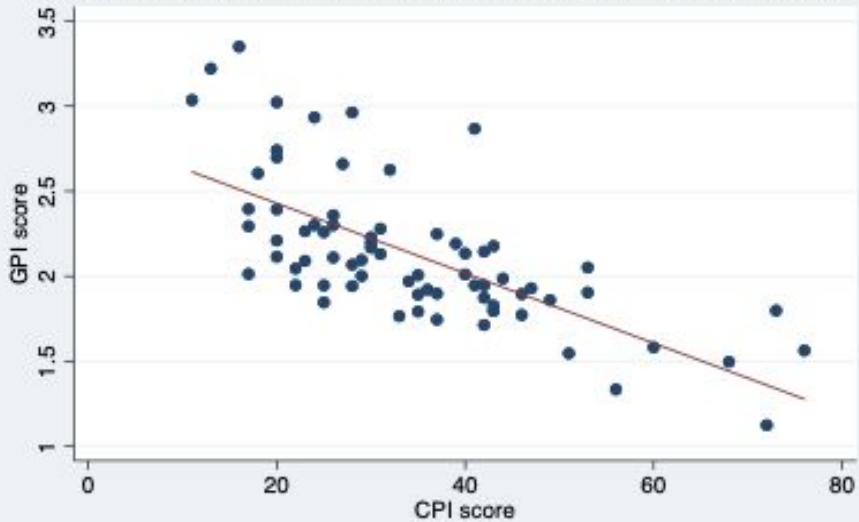


When
evaluating the
same countries'
GDP...

In general: **-0.715** correlation

Figure 1A

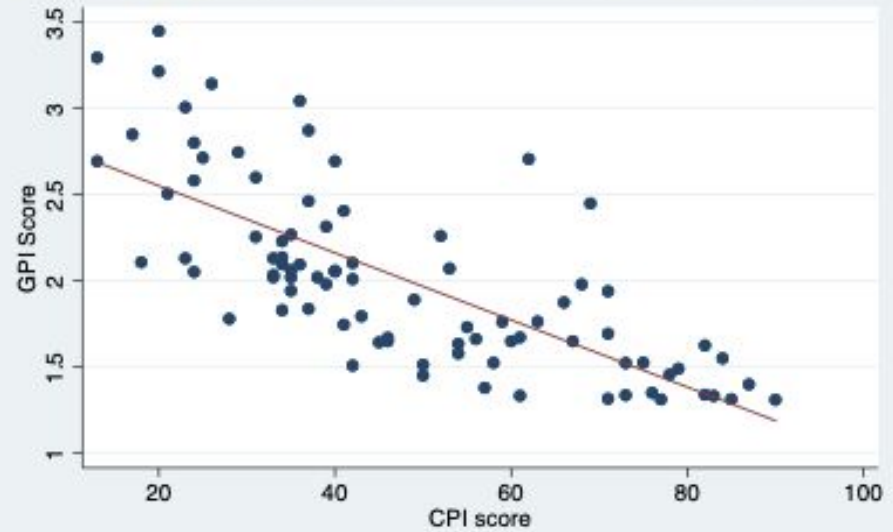
Peace vs Corruption in Countries with GDP Below Median



Correlation in Countries Below 50th Percentile in GDP: **-0.6916**

Figure 1B

Peace vs Corruption in Countries with GDP Above Median



Correlation in Countries Above 50th Percentile in GDP: **-0.7401**

Sources Used:

https://www.transparency.org/en/cpi/2023?qad_source=1&qclid=CjwKCAiAibeuBhAAEiwAiXBoJJZAUlw3LTBpPOT92VRKY_8B9atvXQQELhid0N0tCy1cb5B8WhSANrRoCLM4QAvD_BwE

<https://www.visionofhumanity.org/wp-content/uploads/2023/06/GPI-2023-Web.pdf>

<https://www.imf.org/external/datamapper/NGDPD@WEO/OEMDC/ADVEC/WEOWORLD>

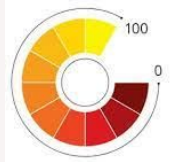
Conclusion

There is a strong negative correlation between peace and corruption, meaning that countries with more peace tend to be less corrupt. Peace and corruption are more correlated in countries with better economies, but are nevertheless strongly correlated in countries of all GDP scores.



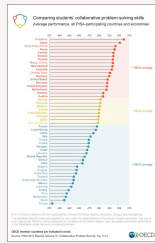
Education and Corruption

CPI vs PISA



CPI

Corruption Perceptions Index - measurement of corruption on a scale of 0 (highly corrupt) to 100 (not corrupt)



PISA

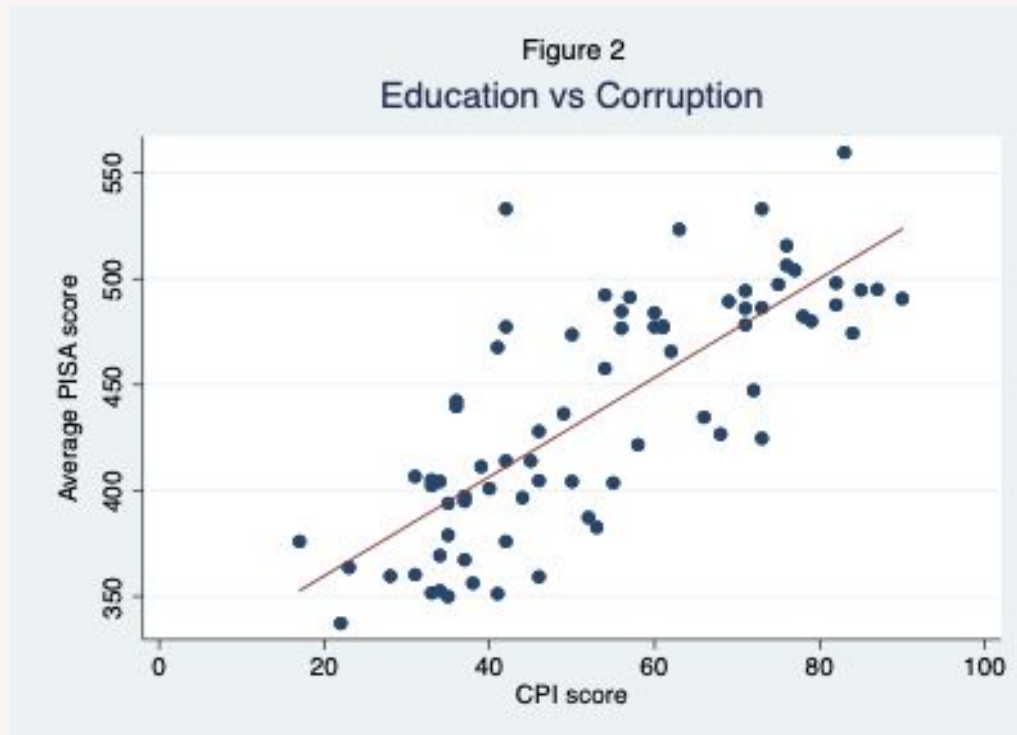
Programme for International Student Assessment; measures 15-year-olds' ability to use their reading, mathematics and science knowledge and skills to meet real-life challenges.



GDP

Gross Domestic Product - indicator of the nation's economic health

When comparing CPI and PISA scores, there appeared to be a correlation of 0.7767.



Sources Used:

https://www.transparency.org/en/cpi/2023?qad_source=1&qclid=CjwKCAiAibeuBhAAEiwAiXBoJJZAUlw3LTBpPOT92VRKY_8B9atvXQQELhidON0tCy1cb5B8WhSAnRoCLM4QAvD_BwE
https://www.oecd.org/pisa/OECD_2022_PISA_Results_Comparing%20countries%E2%80%99%20and%20economics%E2%80%99%20performance%20in%20mathematics.pdf



When
evaluating the
same countries'
GDP...

In general: **0.7767** correlation

Figure 2A

Test Scores vs Corruption in Countries With GDP Below Median

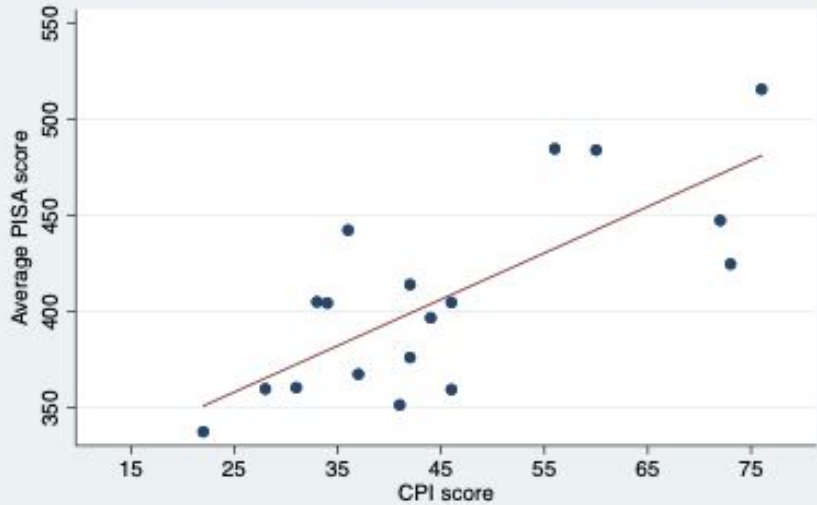
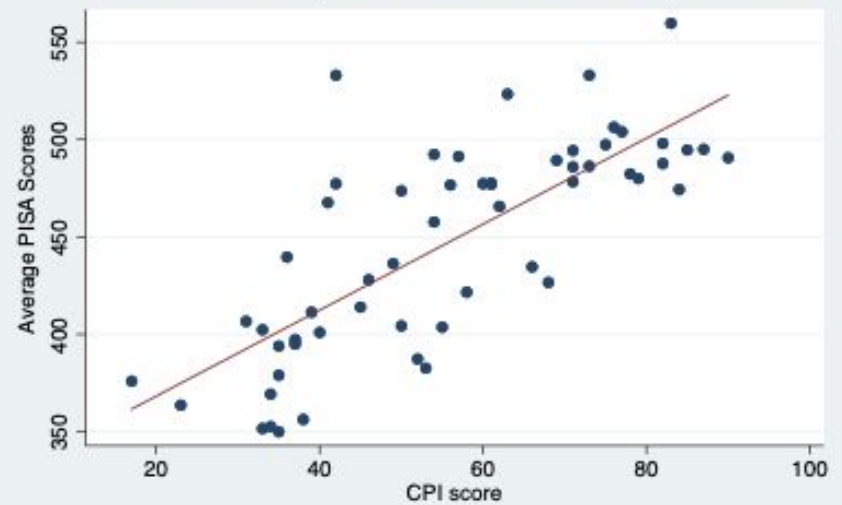


Figure 2B

Education vs Corruption in Countries with GDP Above Median



Correlation in Countries Below 50th Percentile in GDP: **0.7501**

Correlation in Countries Above 50th Percentile in GDP: **0.7639**

Sources Used:

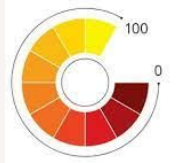
https://www.transparency.org/en/cpi/2023?qad_source=1&qclid=CjwKCAiAibeuBhAAEiwAiXBoJJZAUlw3LTBpPOT92VRKY_8B9atvXQQELhidON0tCy1cb5B8WhSANRoCLM4QAvD_BwE

https://www.oecd.org/pisa/OECD_2022_PISA_Results_Comparing%20countries%E2%80%99%20and%20economic%E2%80%99%20performance%20in%20mathematics.pdf



Transparency, Access to Information and Corruption

RTI, CPI,



CPI

Corruption Perceptions Index - measurement of corruption on a scale of 0 to 100



RTI

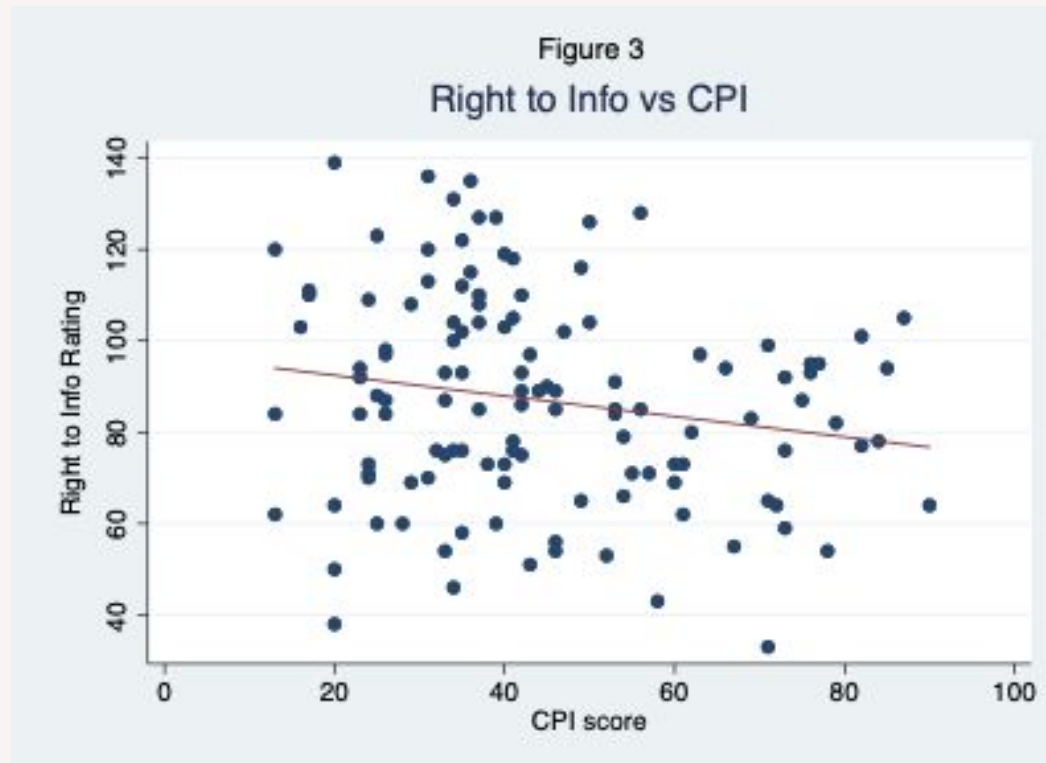
Right to information rating; analyses the quality of the world's access to information laws. It's on a scale of 0 (lower quality)-150 (higher quality).



GDP

Gross Domestic Product - indicator of the nation's economic health

When comparing CPI and RTI scores, there appeared to be a correlation of -0.1856.



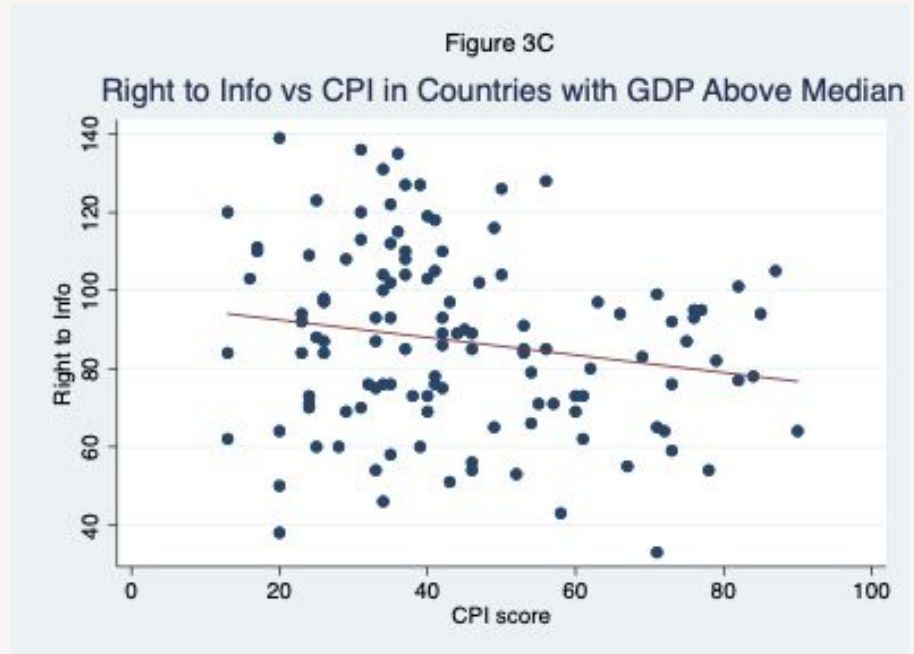
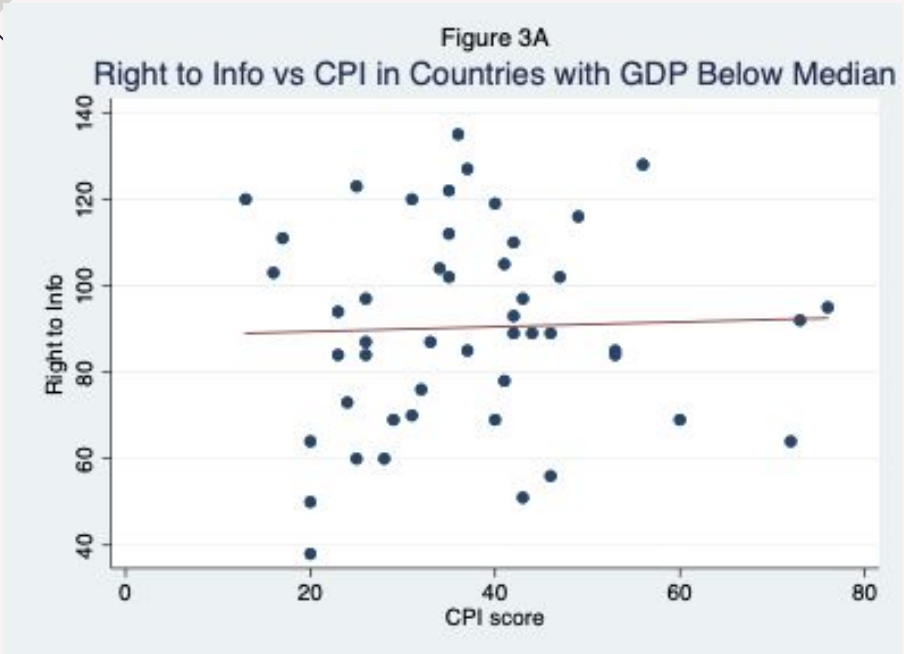
Sources Used:

https://www.transparency.org/en/cpi/2023?qad_source=1&qclid=CjwKCAiAibeuBhAAEiwAiXBoJJZAUlw3LTBpPOT92VRKY_8B9atvXQQELhid0N0tCy1cb5B8WhSanRoCLM4QAvD_BwE
<https://www.rti-rating.org/country-data/>



When
evaluating the
same countries'
GDP...

In general: **-0.1856** correlation



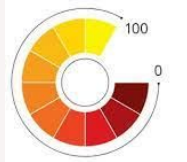
Correlation in Countries Below 50th Percentile in GDP: **0.038**

Correlation in Countries Above 50th Percentile in GDP: **-0.2522**

Sources Used:
https://www.transparency.org/en/cpi/2023?qad_source=1&qclid=CjwKCAiAibeuBhAAEiwAiXBoJJZAUlw3LTBpPOT92VRKY_8B9atvXQQELhid0N0tCy1cb5B8WhSanRoCLM4QAvD_BwE
<https://www.rti-rating.org/country-data/>
<https://www.imf.org/external/datamapper/NGDPD@WE0/OEMDC/ADVEC/WE0WORLD>

Conclusion

There is no correlation between right to information and corruption of countries. In richer countries, there is a weak negative correlation between a country's right to information score and its CPI score, while in poorer countries, there is barely any correlation at all. For instance, Mexico's RTI score is much higher than the US', and yet the US has much less corruption.



CPI

Corruption Perceptions Index - measurement of corruption on a scale of 0 (highly corrupt) to 100 (not corrupt)



PFI

Press Freedom Index; measurement of press freedom (combines expert assessments with data on violence against journalists) from a scale of 0 (freedom) -100 (no freedom)



GDP

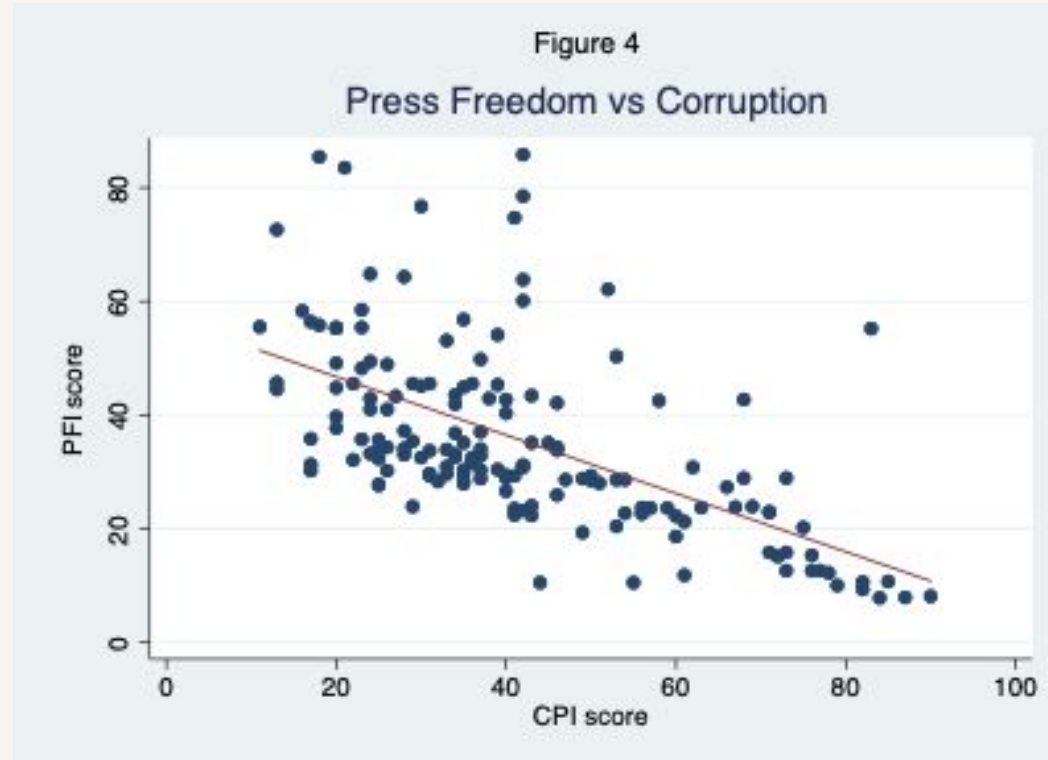
Gross Domestic Product - indicator of the nation's economic health

When comparing CPI and PFI scores, there appeared to be a correlation of -0.5978 , meaning that higher PFI scores (less freedom) is correlated to low CPI scores (more corruption).

Sources Used:

https://www.transparency.org/en/cpi/2023?qad_source=1&qclid=CjwKCAiAibeuBhAAEiwAiXBoJJZAUlw3LTBpPOT92VRKY_8B9atvXQOELhid0N0tCy1cb5B8WhSANrRoCLM4QAvD_BwE

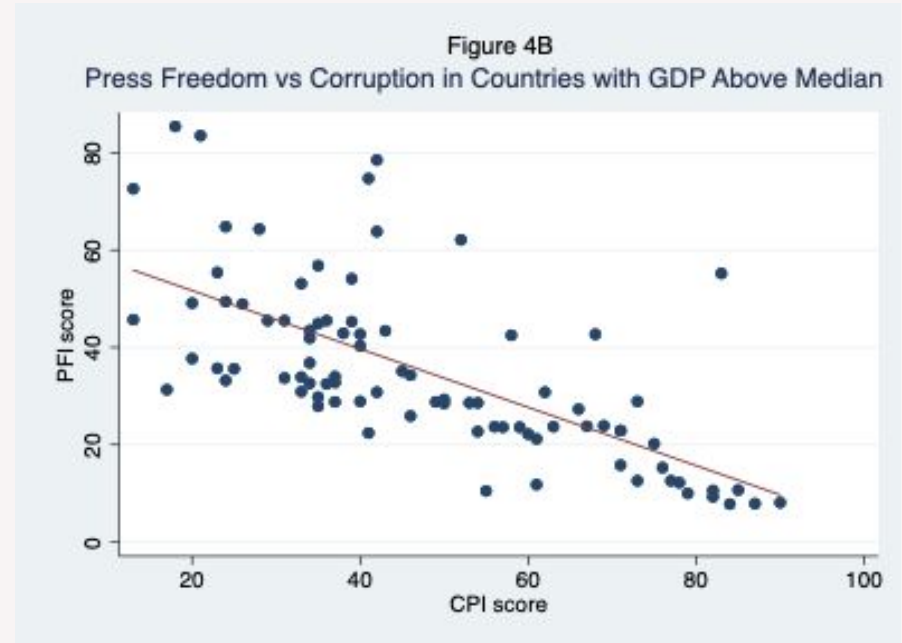
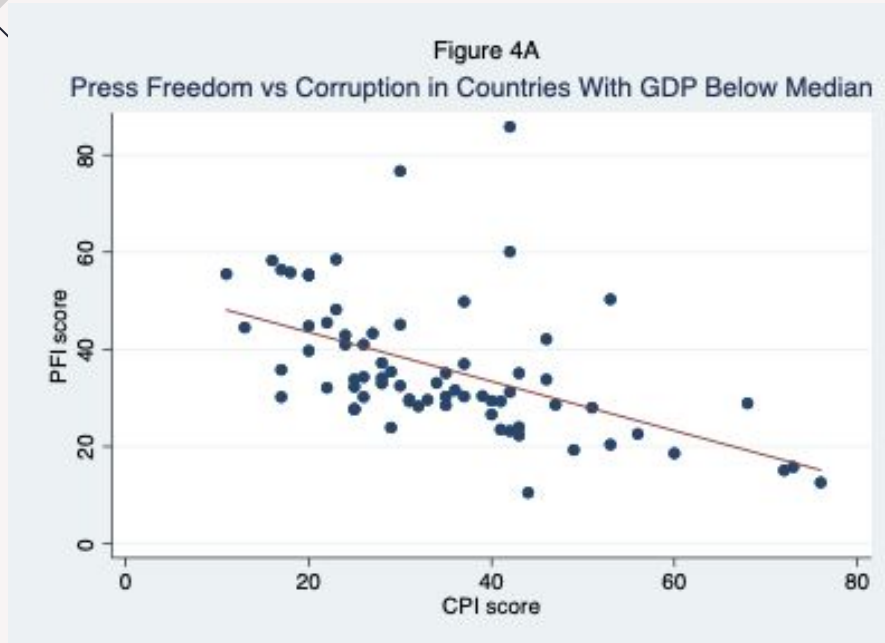
<https://ourworldindata.org/grapher/press-freedom-index-rsf?tab=table&time=2020>





When
evaluating the
same countries'
GDP...

In general: **-0.5978** correlation



Correlation in Countries Below 50th Percentile in GDP: **-0.5160**

Correlation in Countries Above 50th Percentile in GDP: **-0.6766**

Sources Used:

https://www.transparency.org/en/cpi/2023?qad_source=1&qclid=CjwKCAiAibeuBhAAEiwAiXBoJJZAUlw3LTBpPOT92VRKY_8B9atvXQQELhid0N0tCy1cb5B8WhSanRoCLM4QAvD_BwE

<https://ourworldindata.org/grapher/press-freedom-index-rsf?tab=table&time=2020>

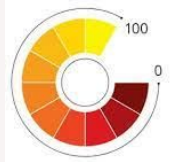
<https://www.imf.org/external/datamapper/NGDPD@WEO/OEMDC/ADVEC/WEO/WORLD>

Conclusion

There is a negative correlation between corruption and lack of press freedom in all countries, but an even stronger correlation between the two in wealthier countries. In other words, more press freedom is strongly correlated to less corruption.



Judicial Integrity



CPI

Corruption Perceptions Index - measurement of corruption on a scale of 0 to 100



WJP Rule Of Law Index

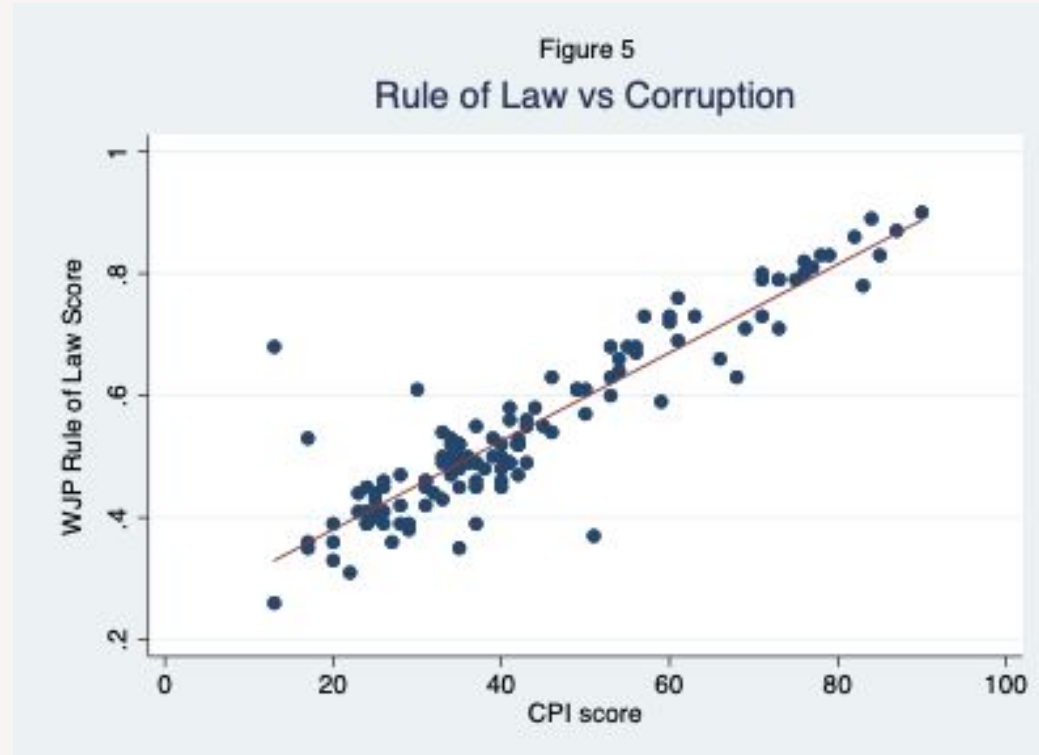
A measure of adherence to the rule of law of various countries on a scale of 0 (weaker) to 100 (stronger).



GDP

Gross Domestic Product - indicator of the nation's economic health

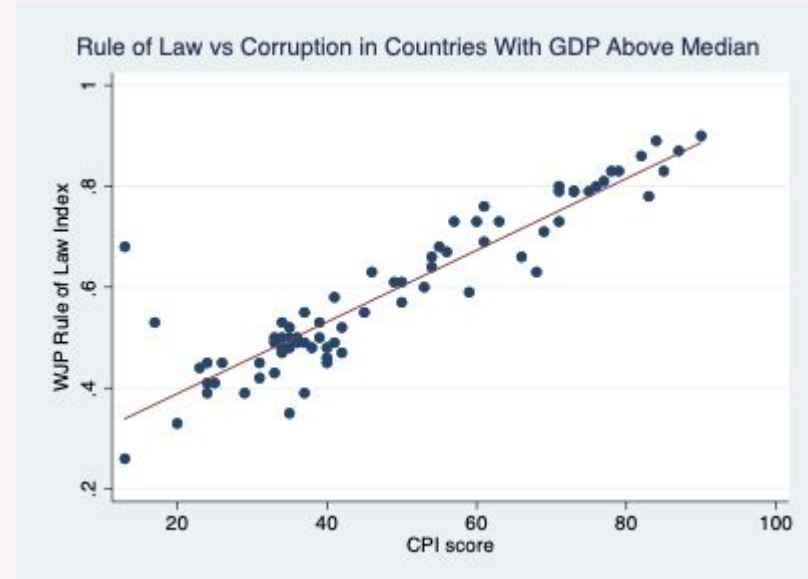
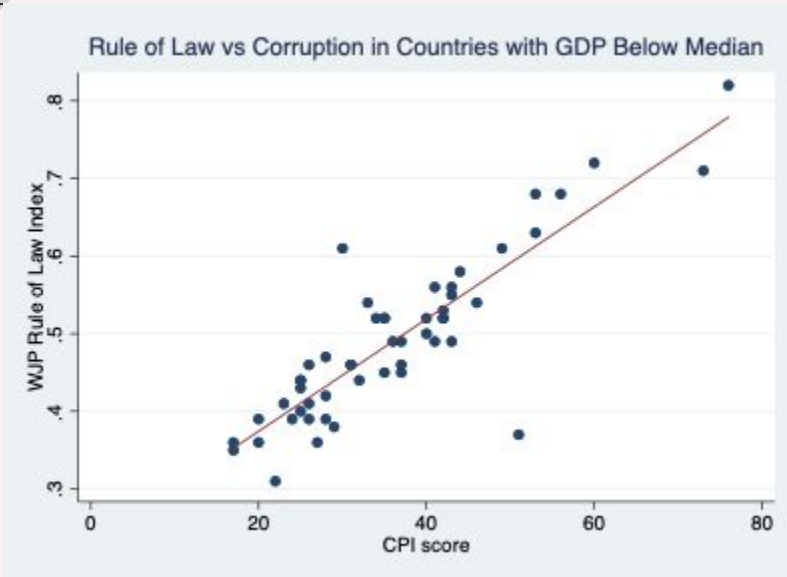
When comparing CPI and Rule of Law index, there appeared to be an extremely high positive correlation of 0.9148.



Sources Used:

https://www.transparency.org/en/cpi/2023?qad_source=1&qclid=CjwKCAiAibeuBhAAEiwAiXBoJJZAUlw3LTBpPOT92VRKY_8B9atvXQQELhid0N0tCy1cb5B8WhSanRoCLM4QAvD_BwE
<https://worldjusticeproject.org/rule-of-law-index/global>

In general: **0.9148** correlation



Correlation in Countries Below 50th Percentile in GDP: **0.8710**

Correlation in Countries Above 50th Percentile in GDP: **0.9146**

Sources Used:

https://www.transparency.org/en/cpi/2023?qad_source=1&qclid=CjwKCAiAibeuBhAAEiwAiXBoJJZAUlw3LTBpPOT92VRKY_8B9atvXQQELhid0NOtCy1cb5B8WhSanRoCLM4QAvD_BwE

<https://worldjusticeproject.org/rule-of-law-index/global>

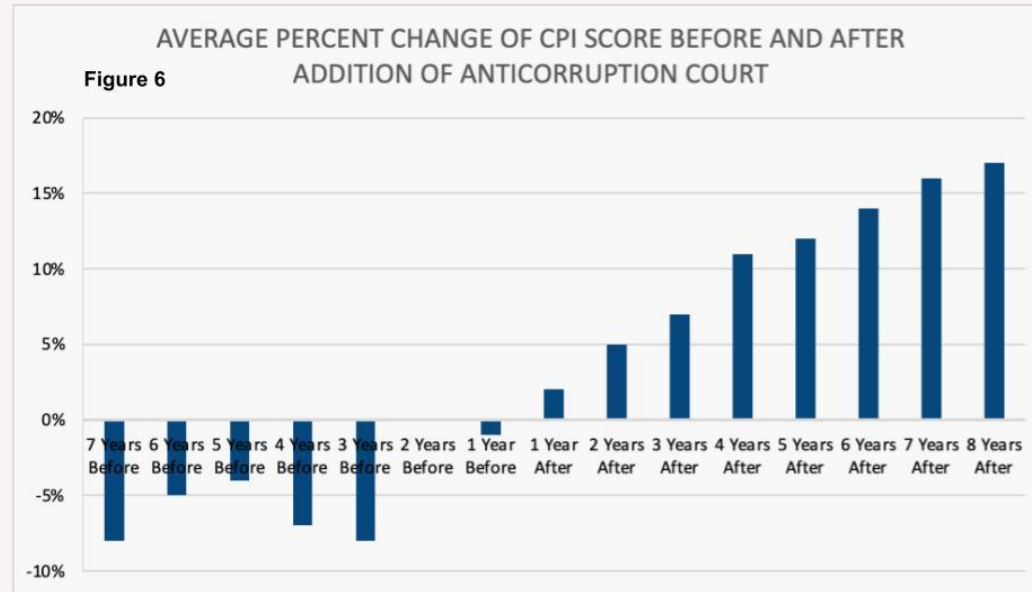
<https://www.imf.org/external/datamapper/NGDPD@WE0/OEMDC/ADVEC/WE0WORLD>

Conclusion

There is a very strong positive correlation between strong rule of law and lack of corruption in countries. One reason for this is that one of the variables measured in order to find the rule of law index is absence of corruption. Therefore, I will have to do more research to see if this correlation is significant.

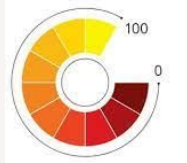
Change in CPI After Addition of Anti Corruption Court

As shown in the graph on the right, after the addition of an anti corruption court, CPI increased noticeably. This graph was made by finding the year the anti corruption court was added and comparing it to years prior and after. The year the court was added differs from country to country, proving that this trend is a result of the anticorruption court and not of any other factors. For instance, 2016 could be 8 years after the addition of an anti corruption court in some countries, but 7 years before in others. The important factor in this scenario is the percent change from the year the court was added, so the years themselves are irrelevant.





Economic Freedom and Corruption



CPI

Corruption Perceptions Index - measurement of corruption on a scale of 0 to 100



Index of Economic Freedom

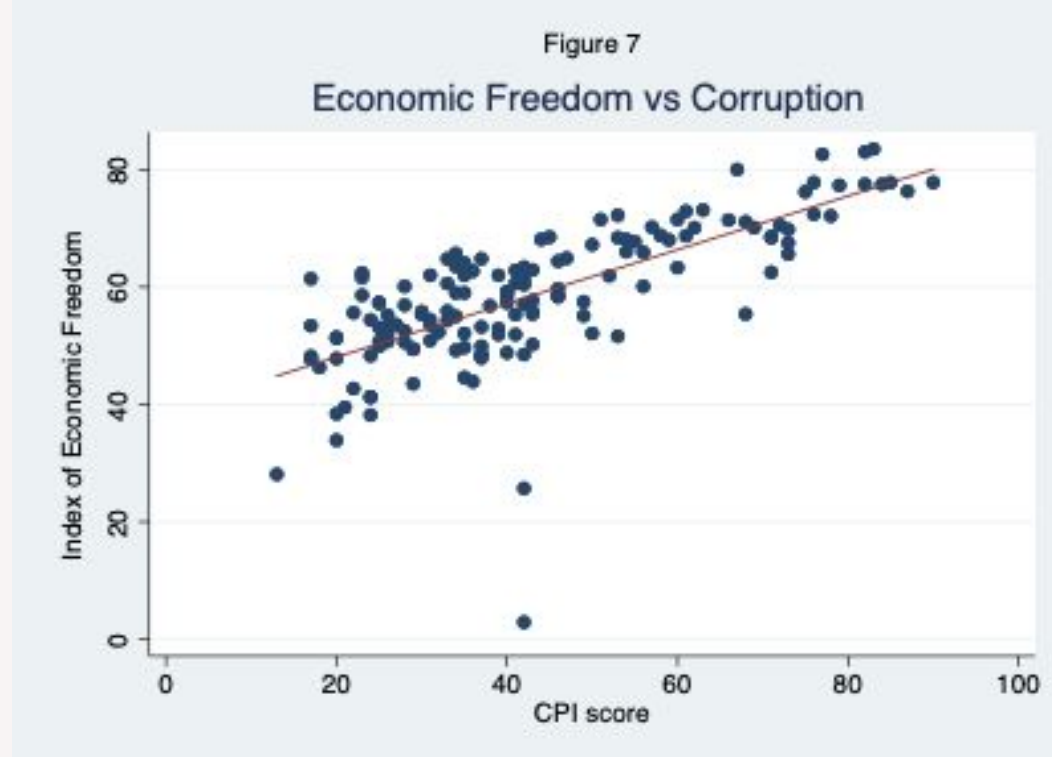
A measure of economic freedom of various countries on a scale of 0 (least free) to 100 (most free).



GDP

Gross Domestic Product - indicator of the nation's economic health

When comparing CPI and Index of Economic Freedom, there appeared to be a positive correlation of 0.7239.



Sources Used:

https://www.transparency.org/en/cpi/2023?qad_source=1&qclid=CjwKCAiAibeuBhAAEiwAiXBoJJZAUlw3LTBpPOT92VRKY_8B9atvXQQELhid0N0tCy1cb5B8WhSanRoCLM4QAvD_BwE
<https://www.heritage.org/index/pages/all-country-scores>

In general: **0.7239** correlation

Figure 7A

Economic Freedom vs Corruption in Countries with GDP Below Median

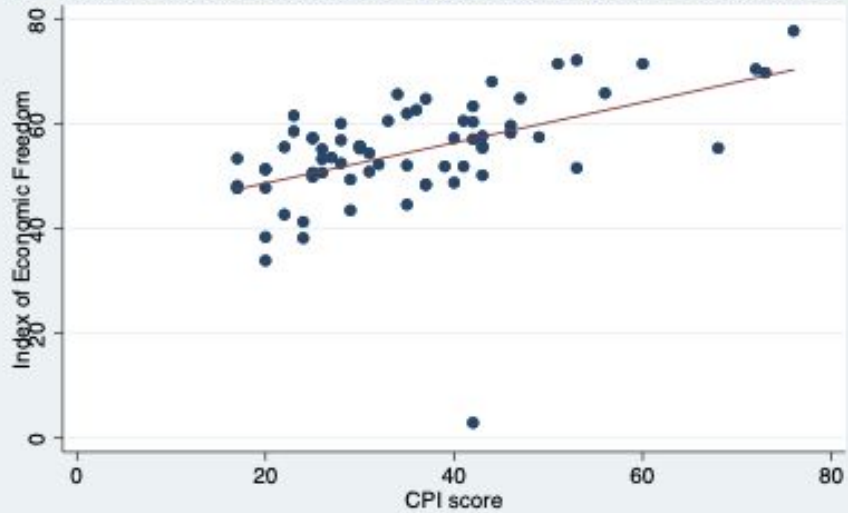
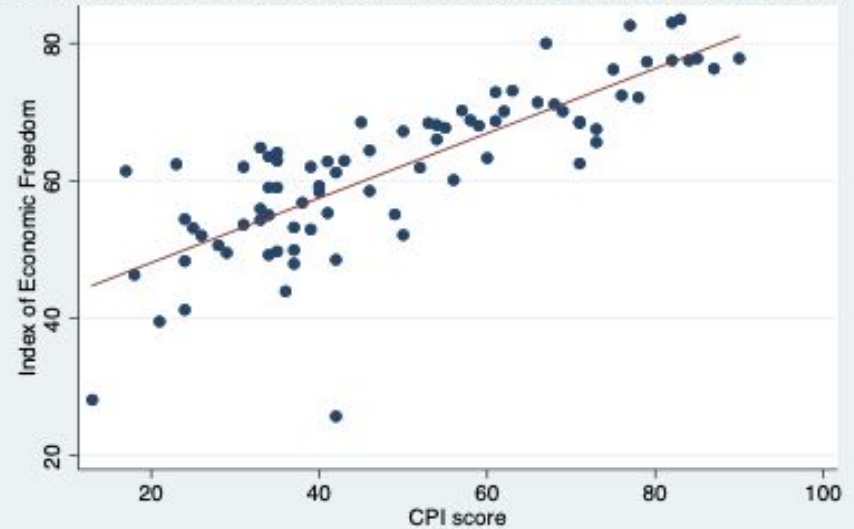


Figure 7B

Economic Freedom vs Corruption in Countries with GDP Above Median



Correlation in Countries Below 50th Percentile in GDP: **0.5002**

Correlation in Countries Above 50th Percentile in GDP: **0.8036**

Sources Used:

https://www.transparency.org/en/cpi/2023?qad_source=1&qclid=CjwKCAiAibeuBhAAEiwAiXBoJJZAUlw3LTBpPOT92VRKY_8B9atvXQQELhid0N0tCy1cb5B8WhSanRoCLM4QAvD_BwE

<https://www.heritage.org/index/pages/all-country-scores>

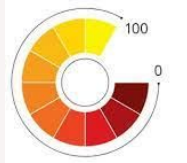
<https://www.imf.org/external/datamapper/NGDPD@WEO/OEMDC/ADVEC/WEOWORLD>

Conclusion

There is a strong positive correlation between economic freedom and lack of corruption. However, in countries with lower GDP, there is a much weaker correlation. This is likely because GDP measures the economic health of countries, and those who have less economic health have less reliable data about economic freedom (since there is not economic stability).



Human Development



CPI

Corruption Perceptions Index - measurement of corruption on a scale of 0 to 100



HDI

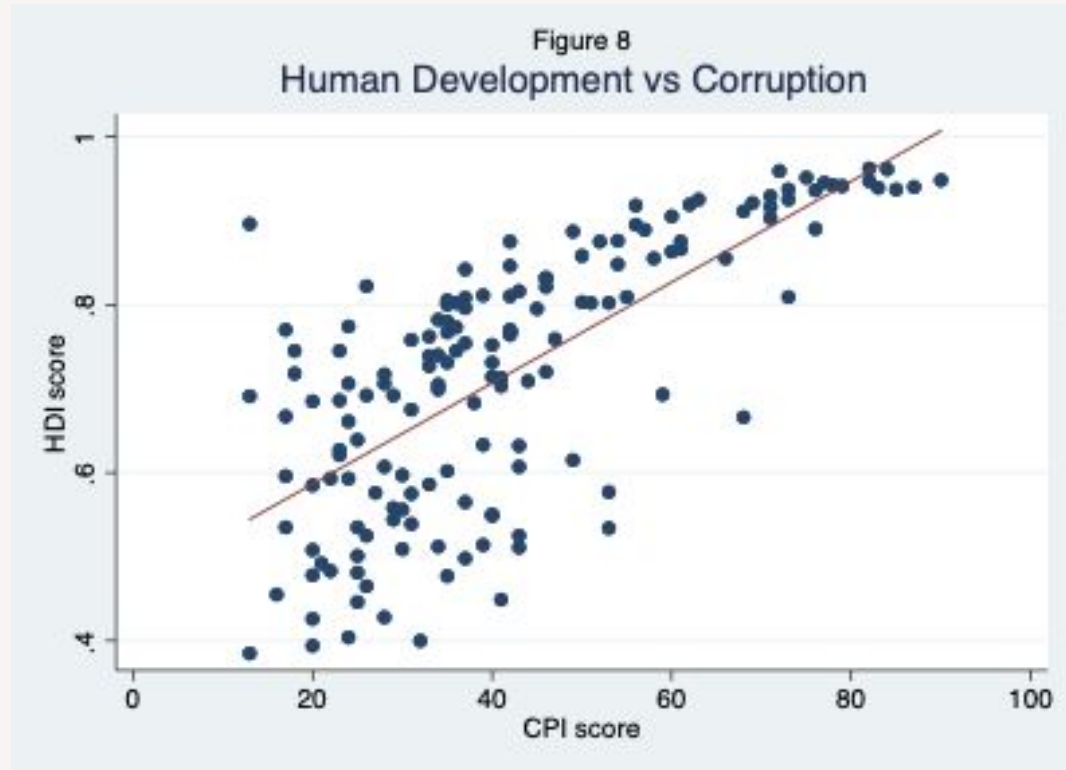
Human Development Index, a measure of a nation's longevity, education, and income



GDP

Gross Domestic Product - indicator of the nation's economic health

When comparing CPI and HDI, there appeared to be a positive correlation of 0.7167.



Sources Used:

https://www.transparency.org/en/cpi/2023?qad_source=1&qclid=CjwKCAiAibeuBhAAEiwAiXBoJJZAUlw3LTBpPOT92VRKY_8B9atvXQQELhid0N0tCy1cb5B8WhSANrRoCLM4QAvD_BwE

<https://hdr.undp.org/data-center/human-development-index#/indicies/HDI>

In general: **0.7239** correlation

Figure 8A

Human Development vs Corruption in Countries With GDP Below Median

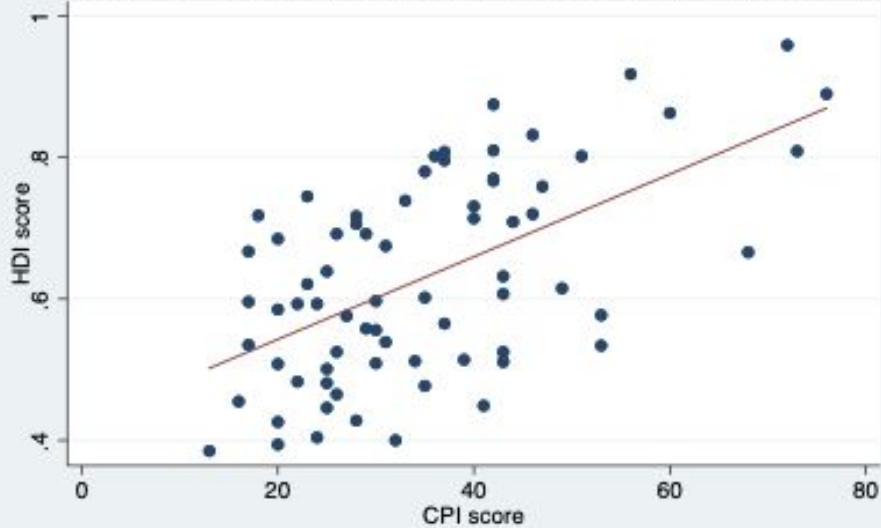
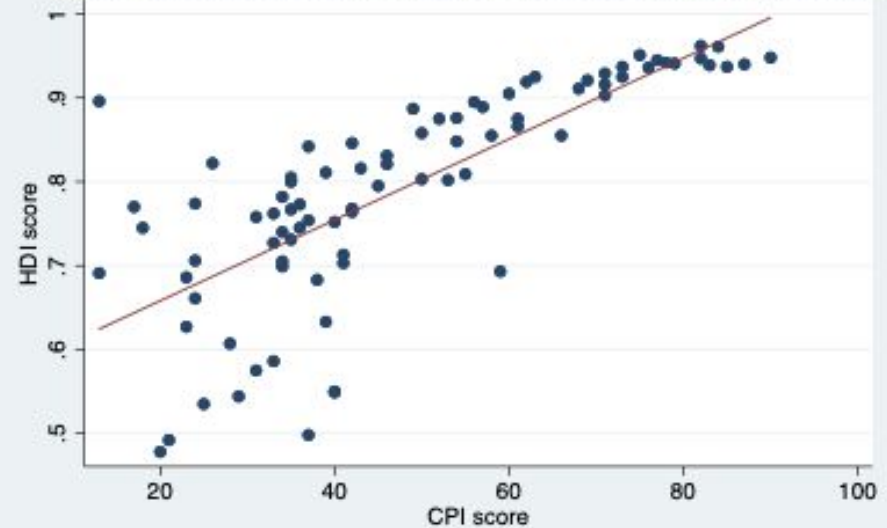


Figure 8B

Human Development vs Corruption in Countries with GDP Above Median



Correlation in Countries Below 50th Percentile in GDP: **0.5769**

Correlation in Countries Above 50th Percentile in GDP: **0.7608**

Sources Used:

https://www.transparency.org/en/cpi/2023?qad_source=1&qclid=CjwKCAiAibeuBhAAEiwAiXBoJJZAUlw3LTBpPOT92VRKY_8B9atvXQQELhid0N0tCy1cb5B8WhSanRoCLM4QAvD_BwE

<https://www.heritage.org/index/pages/all-country-scores>

<https://www.imf.org/external/datamapper/NGDPD@WEO/OEMDC/ADVEC/WEOWORLD>

Conclusion

There is a strong positive correlation between human development (a long and healthy life, being knowledgeable and having a decent standard of living) and lack of corruption. As economic health increases, the correlation between human development and lack of corruption increases.

