African anti-corruption agencies' digital platform usage
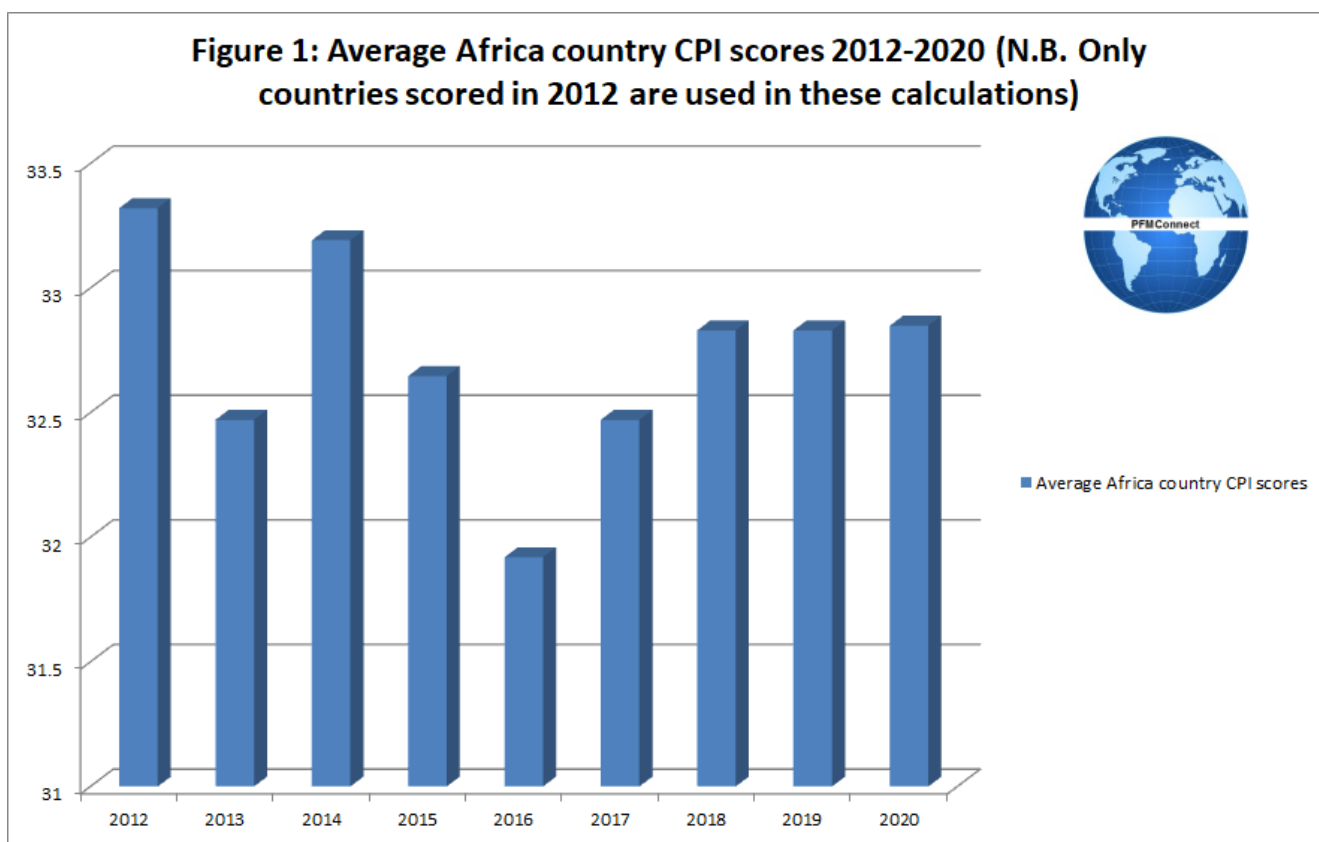

Kenya's Ethics and Anti-Corruption Commission
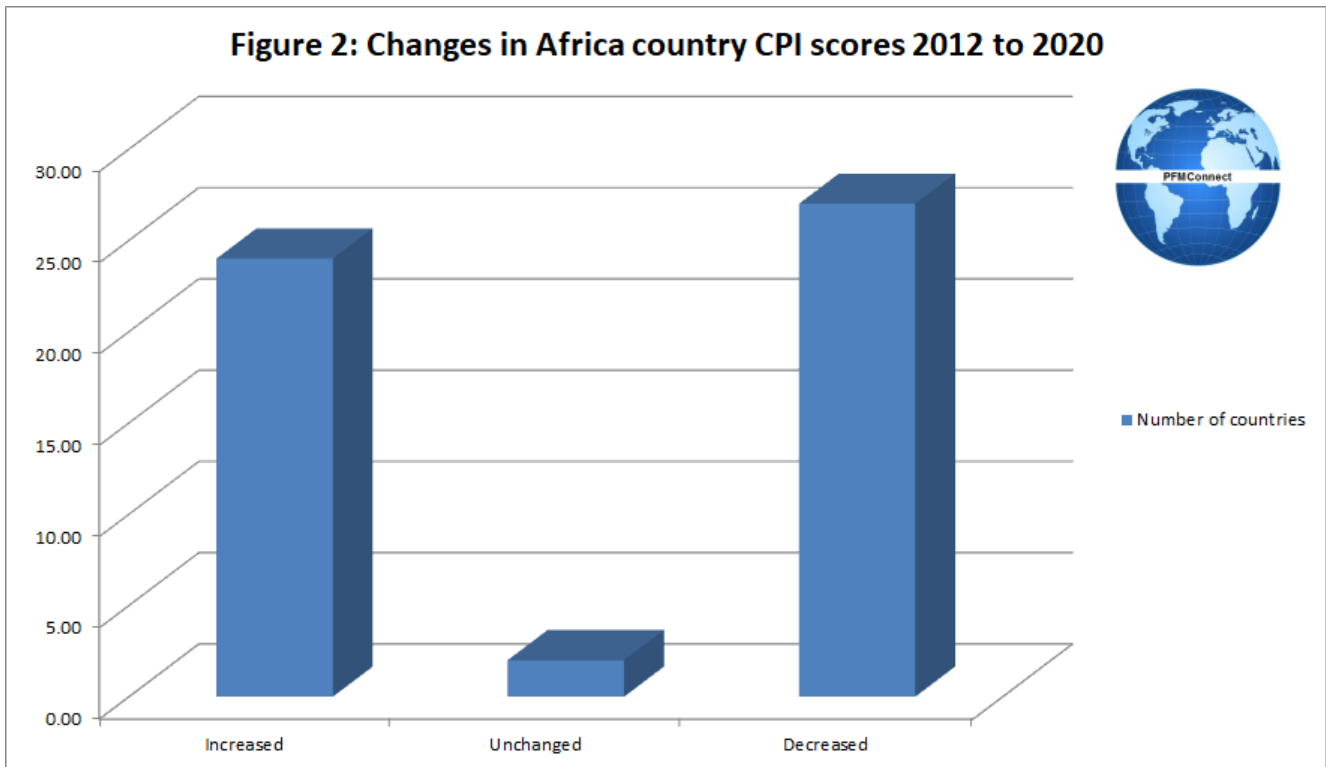
Posted by David Fellows and John Leonardo [1]

The release of TI's 2020 Corruption Perceptions Index (CPI) on 28 January 2021 has focused attention in many countries on current corruption levels. In a recent blog we outlined the possible role social media platforms offer for promoting online public engagement in the war against corruption. We also noted that in Africa there are strong positive correlations between social media user numbers and perceived

corruption levels. In this blog we review African anti-corruption agencies (ACAs) digital platform, including social networking sites, usage. Additional regional analyses will be prepared over the next six months.

The 2020 CPI outcomes from an African perspective are disappointing as demonstrated by the trends revealed in Figures 1 and 2.

Figure 1: Average Africa country CPI scores 2012-2020 (N.B. Only countries scored in 2012 are used in these calculations)

Figure 2: Changes in Africa country CPI scores 2012 to 2020

Websites and the social networking sites, Facebook and Twitter, are the digital platforms most frequently employed by African ACAs. Updates on ACA activities, developments affecting ACA operations and formal reports are featured on ACA digital platforms.

The [United Nations Convention Against Corruption](includes) provisions relating to financial management and public reporting (Articles 9 and 10 – see Appendix). The extent of ACA compliance with these provisions has also been examined in this blog.

1. African ACAs digital platform usage

1.1 Website usage

Details of the use of websites by African ACAs as at mid-January 2021 are presented in Table 1.

Table 1: African ACAs use of websites

ACAs	Number
ACAs with stand-alone websites	27
ACAs with webpages included in government websites	3
ACAs without any web presence The Uganda case	24
Total	54

NB. Nigeria has two recognised ACAs with websites; Uganda has two recognised ACAs but only one has a website with the other using only social media sites. One Nigerian ACA with a website and the Ugandan ACA which only has social media sites are not included in Table 1 or Table 2 below.

Details of the use of websites by African ACAs in countries with relatively higher and lower 2020 CPI scores are presented in Table 2.

Table 2: African ACAs use of websites by 2020 CPI scores

ACAs	Number	Stand-alone websites	Web page on government site	No website
ACAs with higher 2020 CPI scores	27	19	2	6
ACAs with lower 2020 CPI scores	27	9	-	18
Total	54	28	2	24

Data was available for both 2020 CPI scores and 2020 UN E-government scores in 42 countries. There is a strong positive correlation between country 2020 CPI scores and 2020 UN E-government scores for the 23 countries where ACAs have websites (for which data is available); a strong negative correlation was found for the 19 countries without ACA websites.

1.2 Website visit activity

Actual visit numbers to ACA websites in the 2020 December quarter were annualised to provide annual visit estimates which were in turn divided by country internet user numbers to provide an indication of ACA website penetration levels.

The average derived ACA website penetration level for all ACAs was very low at 0.37%. The only favourable scores were recorded by Mauritius (5.9%) and Madagascar (1.9%).

1.3 Social media activity

Social media follower information was analysed for ACAs with Facebook and Twitter pages using data available in mid-January 2021. Details of current Africa ACA social media pages are presented in Table 3. NB The Facebook and Twitter pages of the two Nigerian and Ugandan ACAs are included in the data presented in Tables 3, 4 and 5.

Table 3: African ACA social media pages

ACAs	Facebook pages	Twitter pages
ACAs with stand-alone websites	20	15
ACAs with webpages included in government websites	1	0
ACAs without any website	1	1
Total	22	16

1.3.1 Facebook activity

Less than one half of the ACAs have Facebook pages.

While the average Facebook penetration level for ACAs on a country basis (country ACA Facebook followers divided by total country Facebook subscribers) for the 20 countries was relatively modest at 1.06%, there were some notable exceptions.

Four of the six countries showing penetration levels in excess of the Facebook country ACA average of 1.06% also had follower numbers greater than estimated annual visits to their websites; details are presented in Table 4.

Table 4: African ACAs with significant Facebook penetration levels

ACAs	Estimated annual website visits	Website penetration %	Facebook followers	Facebook follower penetration %
Egypt	404,384	0.82%	630,827	1.49%
Nigeria (2 ACAs)	351,944	0.28%	576,137	2.12%
Seychelles	300	0.42%	850	1.20%
Tunisia	28,920	0.37%	106,104	1.43%

1.3.2 Twitter activity

The number of ACAs with Twitter pages is modest.

The average Twitter penetration level for ACAs on a country basis (country ACA Twitter followers divided by total country Twitter subscribers) for the 14 countries was, however, very high at 23.73%. Twitter country ACA penetration levels exceeded Twitter internet user penetration levels in six countries (Kenya, Niger, Nigeria, Rwanda, Uganda and Zimbabwe).

Two of the countries recording above average country ACA Twitter penetration levels also had Twitter follower numbers that exceeded estimated annual visits to their websites; details are provided in Table 5.

While the majority of visits to the Nigeria and Zimbabwe ACA websites were made by local residents, the local resident proportion of Twitter followers for these ACAs is not known but it is assumed to be significant.

Table 5: ACAs with significant follower numbers

ACAs	Estimated annual website visits	Facebook followers	Twitter followers	Twitter follower penetration %	Twitter internet user penetration %
Nigeria (2 ACAs)	351,944	576,137	1,172,400	59.82%	1.55%
Zimbabwe	260	0.42%	48,500	28.78%	2.01%

2. Reporting activity

The availability of the following categories of key reports on ACA websites or on web pages of national government websites was examined:

- National Anti-Corruption Strategies

- ACA strategic plans

- ACA annual reports

Details of the availability of the above reports on ACA websites are presented in Table 6.

Table 6: Availability of reports on ACA websites

	National anti-corruption strategy	ACA annual report	ACA strategic plan
Available on ACA website	8	14	8
Available on another national non-ACA website	3	0	0
Exists but not available on any website	6	0	0
Being prepared	6	0	0
Not prepared	7	16	22
Total	**30**	**30**	**30**

N.B. One Nigerian ACA with a website and the Ugandan ACA which only has social media sites are not included in Table 6.

Coverage of ACA digital platform activity in the above-mentioned reports, particularly those relating to social media, was also examined.

2.1 Publication of national anti-corruption strategies

Less than one-third of African ACAs with websites have published their respective national anti-corruption strategy on their website.

While the role of the media in national anti-corruption strategies is addressed in the eleven national anti-corruption strategies reviewed when preparing this blog, references to the role of social media are limited. Egypt's National Anti-Corruption Strategy (2019-2024), Namibia's National Anti-Corruption Strategy and Action Plan (2016-2019) and Sierra Leone's National Anti-Corruption Strategy (2019-2023) make mention of social media activity,

The Namibia and Sierra Leone strategies outlined particular roles for social media activities.

Morocco's ACA published a study in 2019 that assisted its preparation of a supporting communication strategy for its National Anti-Corruption Strategy (2015-2025). This study listed social media as one of the key success factors; viz. "The body must open up on social media and have "an online platform or space", which it must maintain and control in order to get closer to its target segments and to be responsive".

2.2 Publication of ACA annual reports

Only 14 of the 30 African ACAs identified in Table 6 have

recently published their annual reports (or de facto annual reports) on their websites. Specific reference to the use of social media was made in 8 ACA annual reports.

The Ghana ACA noted in its 2018 annual report the use of social media by the Ghana chapter of Transparency International. The Kenya ACA provided statistics about website hits and social media followers in its 2018 annual report. In its 2017 annual report the Mauritius ACA gave a detailed discussion about its social media activity including its approach for using Facebook.

The executive summary for the Morocco ACA's 2019 annual report noted that the ACA had to address its social media strategy in the course of developing its overall communication strategy.

Brief references to the use of social media were made in the Namibia (2019), Rwanda (2019), Sierra Leone (2019) and South Africa (2020) ACA annual reports.

2.3 Publication of ACA strategic plans

The modest number of ACA strategic plans that have been prepared recently is very surprising.

Five of the ACA strategic plans include specific references to the use of social media (Kenya, Malawi, Rwanda, Sierra Leone and Togo).

Kenya, Malawi and Rwanda ACAs set out specific strategies and

performance indicators for social media in their strategic plans. The Sierra Leone ACA set out specific strategies and progress markers while the Togo ACA set out details of the proposed launch of its website.

2.4 Overview of ACA online reporting activity

Assuming it is appropriate for all ACAs (including both Nigerian and Ugandan ACAs) to publish country anti-corruption strategies and their annual reports and strategic plans on their websites, the number of these documents that may be potentially published stands at 96 documents. Only 30 documents were published on ACA websites. This outcome falls short of the standards envisaged in the United Nations Convention against Corruption.

3. Social media performance and document publication correlations

ACA Facebook and Twitter subscriber penetration levels are weakly related to the number of ACA National Anti-Corruption Strategy, strategic plan and annual report publications placed on ACA websites.

While ACAs with relatively high Facebook and Twitter subscriber penetration levels have not generally been relatively energetic publishers of the above-mentioned reports, their social media posting activity has been sufficiently active to attract significant numbers of followers; this is most evident in the case of Kenya, Nigeria,

Rwanda, Uganda and Zimbabwe.

ACA Facebook and Twitter subscriber penetration levels have, with a few exceptions, often substantially exceeded ACA website penetration levels.

4. Conclusion

The survey demonstrates a very limited level of publication on ACA websites of ACA reports in the three key categories identified in section 2.

It could add credibility to ACA professionalism and integrity to publish these reports even if some of the more sensitive detail concerning methodology and programming was omitted.

While ACA websites offer potential public engagement opportunities, social media activity has the potential for even higher engagement levels. It should be borne in mind that social media use in Africa, while a relatively recent phenomenon, is rapidly becoming extremely popular. The analysis demonstrates that while overall ACA use of social media is relatively limited, some ACAs have made considerable progress, particularly with the use of Twitter.

Those ACAs with websites but who currently do not have Facebook or Twitter pages should certainly consider these social networking sites as a means to gaining public confidence in anti-corruption activities and their cooperation in combatting anti-corruption investigations.

Appendix: United Nations Convention Against Corruption

Financial management and public reporting provisions

Article 9

Public procurement and management of public finances

2. Each State Party shall, in accordance with the fundamental principles of its legal system, take appropriate measures to promote transparency and accountability in the management of public finances. Such measures shall encompass, inter alia:

(a) Procedures for the adoption of the national budget;

(b) Timely reporting on revenue and expenditure;

(c) A system of accounting and auditing standards and related oversight;

(d) Effective and efficient systems of risk management and internal control; and

(e) Where appropriate, corrective action in the case of

failure to comply with the requirements established in this paragraph.

Article 10

Public reporting

Taking into account the need to combat corruption, each State Party shall, in accordance with the fundamental principles of its domestic law, take such measures as may be necessary to enhance transparency in its public administration, including with regard to its organization, functioning and decision-making processes, where appropriate. Such measures may include, inter alia:

(a) Adopting procedures or regulations allowing members of the general public to obtain, where appropriate, information on the organization, functioning and decision-making processes of its public administration and, with due regard for the protection of privacy and personal data, on decisions and legal acts that concern members of the public;

(b) Simplifying administrative procedures, where appropriate, in order to facilitate public access to the competent decision-making authorities; and

(c) Publishing information, which may include periodic reports on the risks of corruption in its public administration.

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who previously worked extensively in UK local government finance and in the Cabinet Office. He was a leader for the introduction of digital communication in UK public service delivery. John Leonardo is a PFM expert with extensive worldwide experience. They are both directors of PFMConnect, a consultancy providing online support in the fields of public finance and digital communication.

Corruption and social media correlation outcomes in Africa

The colours of Africa's 2019 CPI scores
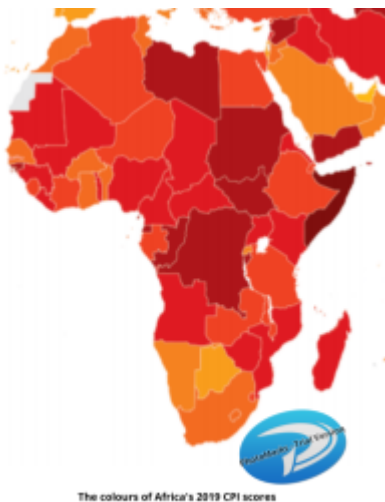
Does social media usage have any impact on country corruption levels? We have investigated the relationship between corruption and social media usage in Africa at a country level and present our findings below.

Methodology

Transparency International's [2019 CPI scores](#) published in January 2020 are taken to represent the measure of corruption in Africa.

The social media activity at a country level is taken as the subscriber numbers provided for Facebook by Internet World Stats at www.internetworldstats.com as at 31[st]December 2019 and for Twitter by We Are Social as quoted in their 'Digital 2020' publication.

The Africa Population numbers are mid-year 2020 estimates taken from the United Nations Population Division published by Internet World Stats at www.internetworldstats.com.

Facebook data was available for 54 African countries in the CPI index but Twitter data was only available for 52 of those countries. These 52 countries were taken as our starting point.

We then removed from the list of 52 countries the 4 countries with distinctly higher corruption levels than the remainder as they did not offer results consistent with the remaining states which we consider to reflect the disruptive effect of very high corruption levels on social and economic behaviour. This leaves a sample of 48 countries.

Statistical robustness

The sample of 48 countries provides a confidence level of 95%. The margin of error is 5%.

Statistical Method	Facebook Results	Twitter Results
Pearson	0.657	0.699
Spearman	0.672	0.625

Conclusion

The above results are relatively robust from a statistical perspective. These demonstrate that, for the data used in our two samples, a strong relationship exists between 2019 CPI scores and per capita penetration levels of country Facebook and Twitter subscribers. This implies that the greater the level of public intercourse via social media the lower the level of corruption in the country concerned.

Developing Systems to Combat Corruption

Posted by David Fellows[1]

Introducing the concept of "objective data"

In March 2018, we republished a short note on the use of [objective data](#) to combat corruption [2]. The piece highlighted statistical techniques being used in western countries to identify corruption by correlating unorthodox procurement practices with aberrant supplier behaviour established from factually based 'objective' administrative data. It was suggested that less complex approaches to the analysis of 'objective' data could be used to indicate the need for further forensic examination of officials, suppliers, and politicians. The emphasis was on finding workable approaches for developing countries that were compatible with the available resources.

The term 'objective' data refers to factual information derived from official government records. It represents data on transactions, activity schedules, and personal information, recorded through established processes, that give the information credibility. This contrasts with 'subjective' data which is often based on opinions or experience that is poorly evidenced and of limited application, as is the case with corruption perception surveys.

Frequent use of objective data

Objective data is checked and compared in dozens of administrative processes which can produce anomalies that may indicate the presence of corruption. For example, invoices are checked against orders and goods received notes or contract certificates, or payroll submissions are checked against timesheets. In addition, national bodies charged with the oversight of public administration — such as supreme audit institutions and public procurement commissions — are routinely engaged in the examination of objective data which can also lead to the identification of corruption.

Such findings are then included in published reports that may be used to identify process deficiencies or potentially to prosecute cases of fraud and corruption. These oversight functions can be particularly effective when they are invested with independence from government, extensive powers of enquiry, transparency of reporting, and due consideration of findings.

Developing objective administrative data systems

Apart from routine scrutiny provided by administrative processes and oversight arrangements, programs of administrative reform provide excellent opportunities for the development of systems that incorporate the automatic validation and cross-referencing of administrative data to help identify patterns of corrupt activity.

Such arrangements are straightforward, well known, and remarkably simple to put into effect but in practice they are rarely complete or well executed. Too often there is a lack of expectation that good administration will have a beneficial effect. This places a premium on those who hold relevant managerial roles, requiring them to value high standards of

administrative practice; exercise oversight responsibilities courageously, insightfully and in partnership with others as necessary; and ensure that reform opportunities are used to best effect. Well prepared and committed management is a prerequisite to any well-intentioned anti-corruption initiative.

Objective administrative data applications

Some examples of objective administrative data and its use to combat corruption are included in an Appendix available [here](#).

The use of objective data could also be developed in other ways. For example:

1. Countries could prepare anti-corruption strategies that include the use and development of objective data and staff training. Such strategies should be accompanied by operational guidance. Anti-corruption strategies and related material are often referred to as being part of the standard anti-corruption armoury but are rarely made available. In practice, however, few of these documents have been produced to a reasonable standard anywhere in the developing world, and perhaps it is time to redress this omission.
2. Additionally, collaboration between states, perhaps on a regional basis, could be helpful in developing techniques for interrogating data, preparing anti-corruption strategies, sharing knowledge of corrupt practices, and building operational cooperation between countries
3. Consideration should also be given by multilateral agencies and regional representative bodies to the development of an international systems assessment schema (akin to PEFA methodology[3]) that would indicate the efficacy and shortcomings of individual administrative systems for the purposes of combatting corruption.

This article is written with government administration in mind, but similar considerations apply to local governments and state-owned enterprises.

[1] Director, PFMConnect. The author thanks John Leonardo for his helpful comments.

[2] This blog was first published at http://blog-pfm.imf.org/pfmblog/2018/03/how-useful-are-perception-indices-of-corruption-to-developing-countries.html

[3] See https://pefa.org/sites/default/files/PEFA%20Framework_English.pdf

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Forthcoming blog: Developing Systems to Combat Corruption

In a March 2018 blog PFMConnect co-principal David Fellows discussed the deficiencies surrounding corruption perception indices and outlined how objective data analysis could offer a

clearer insight into the systemic nature of corrupt behaviour, thus providing a more precise indication of the corrupt parts of an administration, the number of external parties that are engaged in corruption, and features of the [public financial management (PFM) system](#) that need to be strengthened in order to combat corruption.

In a forthcoming blog **"Developing Systems to Combat Corruption"**, David describes how an objective data system is used in practice and how the concept may be developed. Some further examples of objective data and their use to combat corruption is available [here](#).