"A comparative study of antivirus softwares for mobile phones: Performance and security Evaluation"

To evaluate antivirus for mobile phones and how they are useful in protecting the device. First, I would select different anti-virus software application for mobile devices both free and paid applications as well as those from different vendors. Then I would develop a testing methodology how different antivirus respond to different malware and how efficient are they in removing these malwares and how it impacts the battery life of the mobile phone. Select an antivirus and then test it with different phones how each react to the antivirus. To analyse the results, I would check the antivirus detection rates and how quickly it responds does it slow down the mobile phone. To present the findings I would provide an overview in which I would discuss different anti viruses their effectiveness and their efficiency rate. I would also recommendations to the consumers and vendors based on my findings.

…

[https://www.antivirusguide.com/best-antivirus/?lp=default&utm\_source=google&utm\_medium=cpc&sgv\_medium=search&utm\_campaign=6478205166&utm\_content=99672426656&utm\_term=best%20antivirus%202022&cid=508925511806&pl=&feeditemid=&targetid=aud-754909914186:kwd-1434464038761&mt=b&network=g&device=c&adpos=&p1=&p2=&geoid=1007633&gclid=CjwKCAiAu5agBhBzEiwAdiR5tHcJ1BtLmjvISJ\_2cNTL48OPmlgcH3-svIM9Kc\_a\_IhcPLXDZFF9VRoCl-YQAvD\_BwE](https://www.antivirusguide.com/best-antivirus/?lp=default&utm_source=google&utm_medium=cpc&sgv_medium=search&utm_campaign=6478205166&utm_content=99672426656&utm_term=best%20antivirus%202022&cid=508925511806&pl=&feeditemid=&targetid=aud-754909914186:kwd-1434464038761&mt=b&network=g&device=c&adpos=&p1=&p2=&geoid=1007633&gclid=CjwKCAiAu5agBhBzEiwAdiR5tHcJ1BtLmjvISJ_2cNTL48OPmlgcH3-svIM9Kc_a_IhcPLXDZFF9VRoCl-YQAvD_BwE" \t "_blank)

thank you for your answers concerning the kick-off-questions!

The above-mentioned URL is an little, but real OAM (=object attribute matrix) about anti-virus solutions.

Could you derive, whether the benchmarks (see attachment) in case of all objects (solution) based on the listed attributes (see URL: row-headers of the comparison-matrix) can be accepted as correct?
(Or there may be a kind of subjectivity (risk) behind the evaluations (benchmarks)?)
:-)

It is important: we do need not only 5 objects (solution) but as many as possible!

Worth reading:
- [https://miau.my-x.hu/mediawiki/index.php/System-modeling](https://miau.my-x.hu/mediawiki/index.php/System-modeling%22%20%5Ct%20%22_blank)
- [https://miau.my-x.hu/miau/297/modelling\_challenges\_on\_the\_field\_of\_IT\_security\_based\_on\_AI.docx](https://miau.my-x.hu/miau/297/modelling_challenges_on_the_field_of_IT_security_based_on_AI.docx%22%20%5Ct%20%22_blank)

Operative task#1: collecting more data (values of the attributes for more objects) to the comparison-matrix (see above)...
Please, send to me an Excel-file with all data you can identify parallel to the already existing ones!
(see URL above)

…

could you analyze the anti-virus-objects and their attributes?
Is there any questions?

…

It is important to know, what kind of descriptive attributes can be used for evaluation of anti-virus-solutions!
see row-headers in the comparison matrix:
[https://www.antivirusguide.com/best-antivirus/?lp=default&utm\_source=google&utm\_medium=cpc&sgv\_medium=search&utm\_campaign=6478205166&utm\_content=99672426656&utm\_term=best%20antivirus%202022&cid=508925511806&pl=&feeditemid=&targetid=aud-754909914186:kwd-1434464038761&mt=b&network=g&device=c&adpos=&p1=&p2=&geoid=1007633&gclid=CjwKCAiAu5agBhBzEiwAdiR5tHcJ1BtLmjvISJ\_2cNTL48OPmlgcH3-svIM9Kc\_a\_IhcPLXDZFF9VRoCl-YQAvD\_BwE](https://www.antivirusguide.com/best-antivirus/?lp=default&utm_source=google&utm_medium=cpc&sgv_medium=search&utm_campaign=6478205166&utm_content=99672426656&utm_term=best%20antivirus%202022&cid=508925511806&pl=&feeditemid=&targetid=aud-754909914186:kwd-1434464038761&mt=b&network=g&device=c&adpos=&p1=&p2=&geoid=1007633&gclid=CjwKCAiAu5agBhBzEiwAdiR5tHcJ1BtLmjvISJ_2cNTL48OPmlgcH3-svIM9Kc_a_IhcPLXDZFF9VRoCl-YQAvD_BwE" \t "_blank)

The real task is: to complete the comparison matrix for more than 5 objects (anti-virus-solutions).

What we need is an OAM with real data about a lot of anti-virus-solutions!

The attached figure demonstrates 5 columns (objects) and a part of the available attributes.
Into an Excel-file, the whole comparison matrix should be transferred AND we need more colums about more anti-virus-solutions (it is also possible to involve previous versions)...

Further sources:
- [https://www.comparitech.com/antivirus/](https://www.comparitech.com/antivirus/%22%20%5Ct%20%22_blank)
- [https://top10antivirus.review/](https://top10antivirus.review/%22%20%5Ct%20%22_blank)
- [https://www.av-test.org/en/antivirus/home-windows/](https://www.av-test.org/en/antivirus/home-windows/%22%20%5Ct%20%22_blank)
- [https://www.techsupportall.com/antivirus-software-comparison-review/](https://www.techsupportall.com/antivirus-software-comparison-review/%22%20%5Ct%20%22_blank)
- ...

The goals are trivial the same like before: Being capable of deriving/exploring/detecting fake news and/or real prices/benchmarks... A real expert is able to see the whole spectrum of the competitors in an objective way...
…

[https://docs.google.com/spreadsheets/d/1ZRFqnNshQW\_\_Yy167URGNk2HQuoaZDPIJXPhGfKFeAg/edit#gid=0](https://docs.google.com/spreadsheets/d/1ZRFqnNshQW__Yy167URGNk2HQuoaZDPIJXPhGfKFeAg/edit%22%20%5Cl%20%22gid%3D0%22%20%5Ct%20%22_blank)

Now, this is an OAM - maybe already good enough for further analyses?!
Which questions are important for you to answer based on the data above?

Could you define new rows about new products (antivirus-software) to the URL-version above?

Could you change/substitute the +/- signs with appropriate numbers?
+ = given
- = not given
BUT
+ = what is really given? How many / What kind of elements are given
(e.g., malware protection: c.f. [https://www.malwarebytes.com/blog/detection/malware](https://www.malwarebytes.com/blog/detection/malware%22%20%5Ct%20%22_blank))
- = 0 elements are given

…

Each attribute and its description are important as a kind of support for each affected person.

On the other hand: we have to design an application.
The anti-virus-solutions are now ready. This can not be your performance.

Your performance could be an expert system, where your user (and user of antivirus-solutions) want to have answers to following questions from YOUR future application:
- what is the best anti-virus-solution?
- which anti-virus-solution have the best price/performance ratio?

All these questions can be handled based on an OAM (c.f. previous emails from me)...

Please, complete the OAM behind my last URL with new objects (= anti-virus-solutions)...

2023.III.17. – Next step: we need an OAM (as many objects/attributes as possible)