

Electronic Voting Methods

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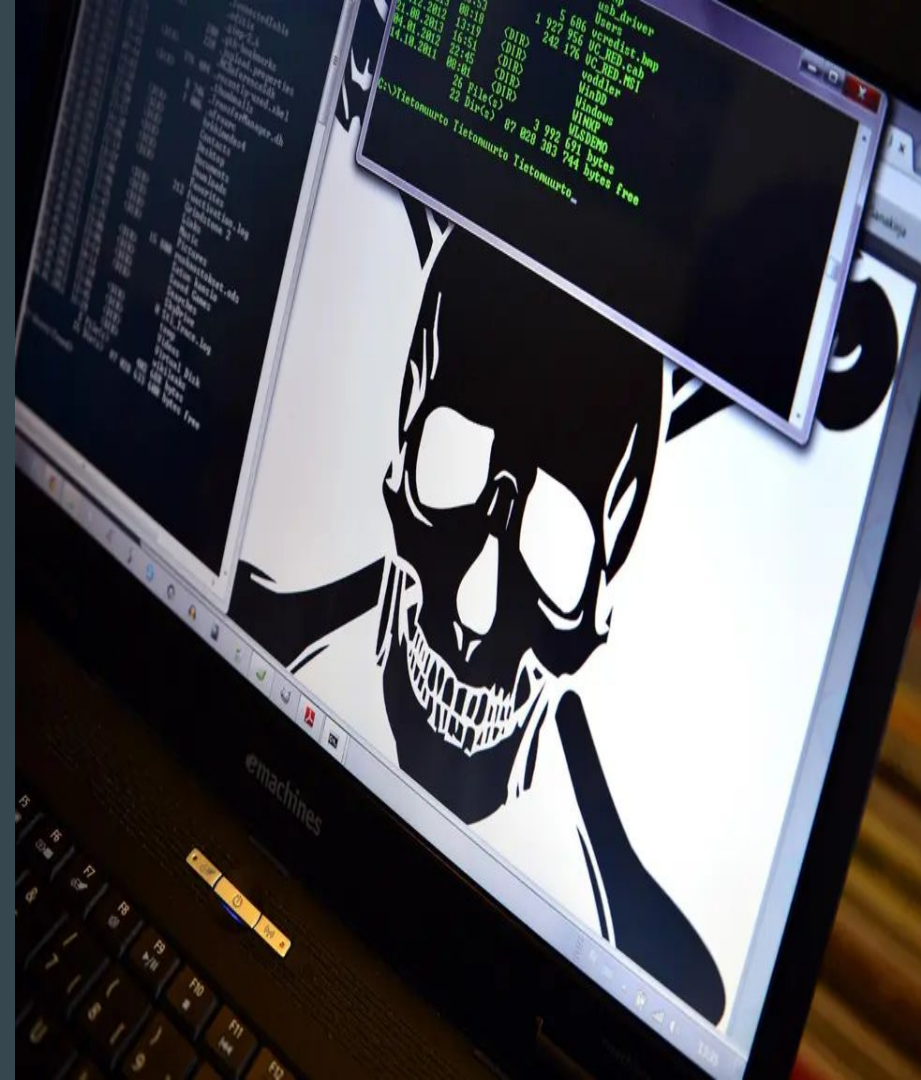
Research Question

Within the United States elections, does voting technology lead to a new avenue for cybersecurity threats?



Hypothesis

We hypothesize that the more voting technology is prevalent within U.S elections, the more security risk will be associated with it.



Research Method

Due to the extensiveness of our research subject matter. In order to gather data on this subject we analyzed sources from professors, programmers and experts within the cyber security field. In addition to this we gathered information on individuals who are highly knowledgeable in regards to electronic voting methods.

Positives

<u>Helps Eliminate</u>	=	<u>Voting Method</u>	=	<u>Improves</u>
Miscount votes	=	Electronic Voting Direct	=	Voter anonymity
Unmarked ballots	=	Electronic Voting Direct	=	Security
Paper waste	=	Electronic Voting Direct	=	Voting accuracy
Future threats		Electronic Voting Direct	=	Voting technology/platforms

This table shows the positive benefactors E Voting brings to our society.

Negatives

<u>Prone to....</u>	=	<u>Voting Method</u>	=	<u>Increases</u>
Viruses	=	Electronic Voting Direct	=	Stolen Data & Intrusion to Sensitive information
Lack of configuration oversight	=	Electronic Voting Direct	=	Possible Manipulation of Voting Technology and Programming. Vote Card Tampering.
Buggy Software	=	Electronic Voting Direct	=	Machine malfunction & Interface Flaws
Hackings		Electronic Voting Direct	=	Threat to Voters Democracy

This table shows the negative effects of E Voting brings to our society.

Conclusion

Technology use in the voting process



Advantages

Advances in voting technology
Increase of voter turnout
Accuracy of elections

Disadvantages

Voter identity security
Anonymity
Outdated hardware and software
Potential hackings
Lack of auditing capabilities
Lack of technology to ensure safety



High level of security threats related to electronic voting

Conclusion (Cont'd)

In regards to the research we gathered, while there is a serious need for an advancement in voting technology, the ability in the machines and security measures are not yet able to ensure the safety and protection of the American voters. As technological safety continues to improve in America, individuals may be able to continue to advance it's voting technologies to the virtual world enhancing the democracy in e voting.

Sources

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