

CALIFORNIA STATE SCIENCE FAIR 2016 PROJECT SUMMARY

| Name(s) | Project Number |
|---|---|
| Sean F. Duarte | J0409 |
| Project Title | |
| Does Password Complexity Incr | rease with Age? |
| ADbjectives/Goals | Abstract |
| The objective of this study is to determine if pe Iethods/Materials | eople's passwords get more complex with age. |
| survey tool. Created an algorithm in Excel to de | fferent people through the use of Survey Monkey, an onlin letermine password complexity. |
| Results The algorithm that I devised allowed me to easi average password complexity by age, and the ru | sily determine password complexity for each password, running average password complexity by age. |
| Conclusions/Discussion Password complexity generally increased with a | age, but did not decline after age 60. After age 60, 50% of |
| the passwords were better than the passwords fi | rom younger participants. |
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| ummary Statement | |
| I devised an algorithm that determines the comp based on the age of a user. | plexity of passwords and how this complexity changes |
| Ielp Received | |
| My parents helped gather most of the adult part from an internet search, to determine if special | ticipants for my project. I also used a user-defined functio characters were present in a cell in Excel. |