Zap!

Alternatives to traditional text-based authentication:
An experiment, survey and literature review

Group H

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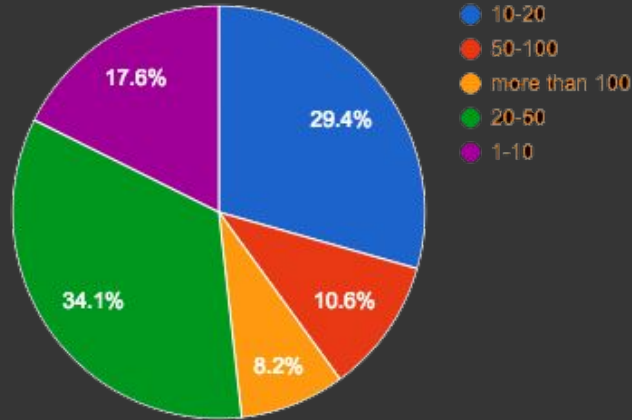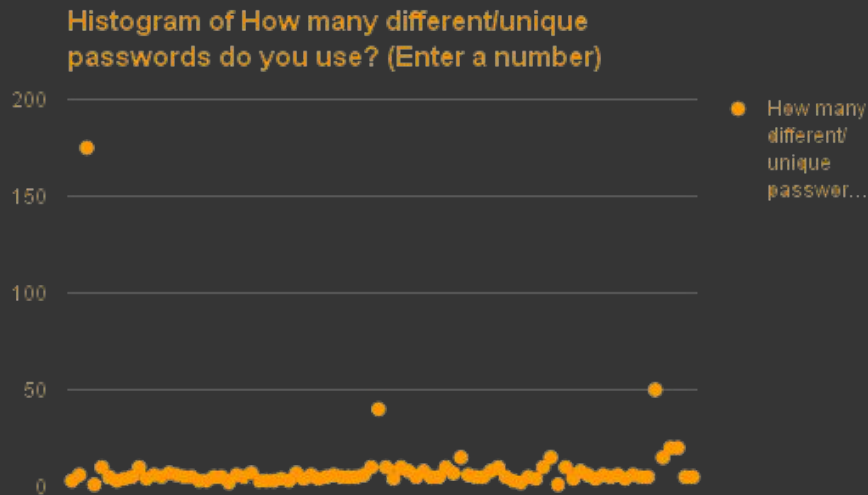
Why?

How many accounts do you have?

How many **accounts** do you have？

- 10-20
- 50-100
- more than 100
- 20-50
- 1-10

29.4%
10.6%
8.2%
34.1%
17.6%

How many **passwords** do you have?

How many **passwords** do you have ?

Histogram of How many different/unique passwords do you use? (Enter a number)

Why?

➜ "In a 1995 study, researchers requested that system administrators send them hashed passwords. The researchers were able to crack about 40% of the approximately 14,000 passwords using a dictionary attack"

Why?

➔ **"We thus have an explosion of new Internet services demanding authentication...the text-based password system has a fundamental flaw : It doesn't scale well. This prompts the investigation of other authentication systems to remedy it. "**

------Password and the evolution of imperfect authentication

Why?

➔ **Painful to remember**

Why?

➔ **Painful to remember**

➔ **I have to type? Really?**

What

What?

➜ **Easy to use**

➜ **No need to remember**

➜ **Efficient**

➜ **Take advantage of new technology**

How?

➔ **Fingerprint**

How?

➔ **Fingerprint**

➔ **Voice-DNA**

How?

➜ **Fingerprint**

➜ **Voice-DNA**

➜ **Magic-link**

Stay tuned!

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