

## Introduction

Password reuse is when an individual uses the same password for multiple accounts, making all those accounts more vulnerable.

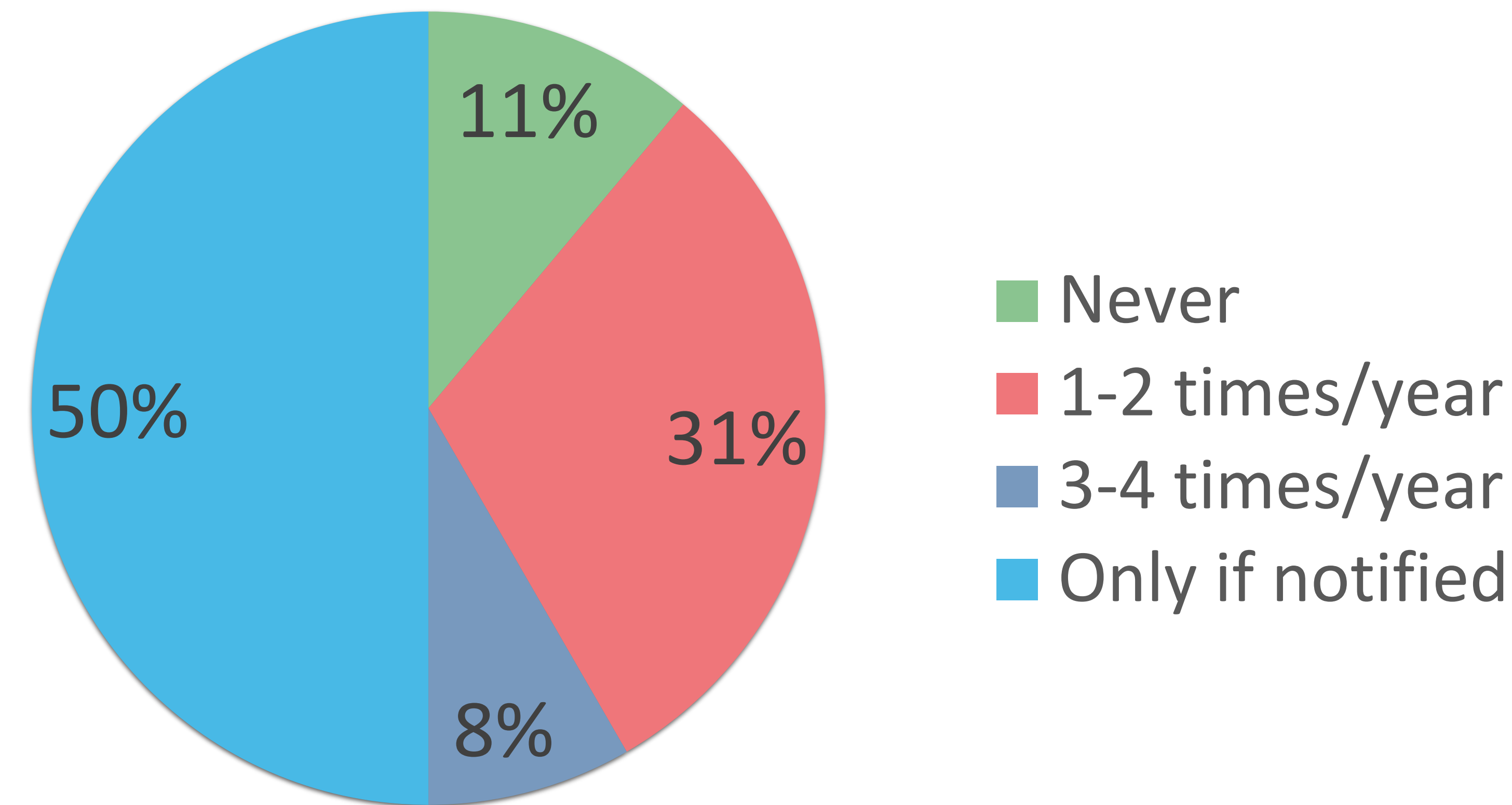
## Hypothesis

The survey of Winona State Computer Science students and staff will show that 65% reuse passwords regularly.

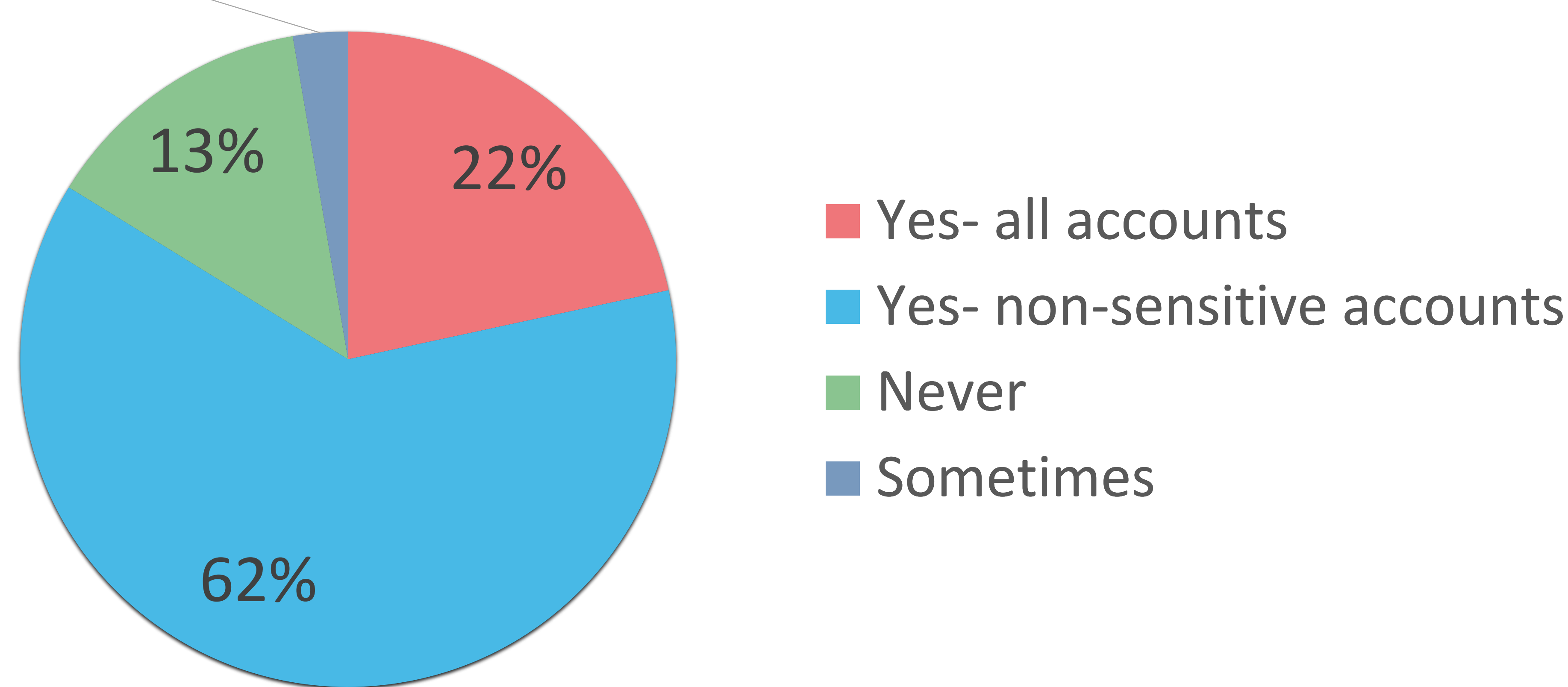
## Method

A survey was given to 37 WSU Computer Science students and staff asking for the total number of accounts, total passwords used, complexity used, importance for creating new passwords or reusing, how often they change their passwords, and briefly about two-factor authentication and password managers.

## When do you update your passwords?



## Do you reuse passwords?



## Improvements To Use

|                              |                      |
|------------------------------|----------------------|
| Create Complex Passwords     | 8+ characters        |
| Updating Passwords Regularly | Caps                 |
| Password Mangers             | Common Substitutions |
| Two-Factor Authentication    | Punctuation/Symbols  |
| Single Sign-on               | Numbers              |
|                              | Passphrases          |

## Results

- 48% have 50+ accounts that require a password
- 35% only using 1 to 5 passwords total.
- 50% only update their password if notified and roughly 31% update them 1-2 times a year.
- 36 out of the 37 participants will occasionally or always use two-factor authentication when available.
- 62% do not use a password manager, but the most popular one used in this survey is BitWarden & LastPass

## Conclusion

The Survey indicates

- 87% reuse passwords
- 62% reuse for non-sensitive accounts, 22% for all accounts
- 3% occasionally reusing passwords.
- 30% want to improve their password security