

# CVSS v4.0 Overview

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What is new with



v4.0?

# New CVSS Features

- Modified Base metric: Attack Complexity (AC)
- New Base metric: Attack Requirements (AT)
- New Base metric values: User Interaction (UI): Passive (P) and Active (A)
- Finer granularity, new Base metrics
  - Vulnerable system impacts
  - Subsequent system impacts
- New Math
  - Ranking system



# Subsequent System Impacts



Replaces Scope from CVSS v3.1



Note: Broader definition of “system” in v4.0



New set of confidentiality, integrity, or availability impacts for downstream impacts



Describes impacts on systems other than the vulnerable system

Browser-based attacks (CSRF/XSS)  
Gateway DoS  
Management systems

# Context Clues: Supplemental Metrics

# What are Supplemental Metrics

Qualitative attributes of the vulnerability

Does not change the numeric score

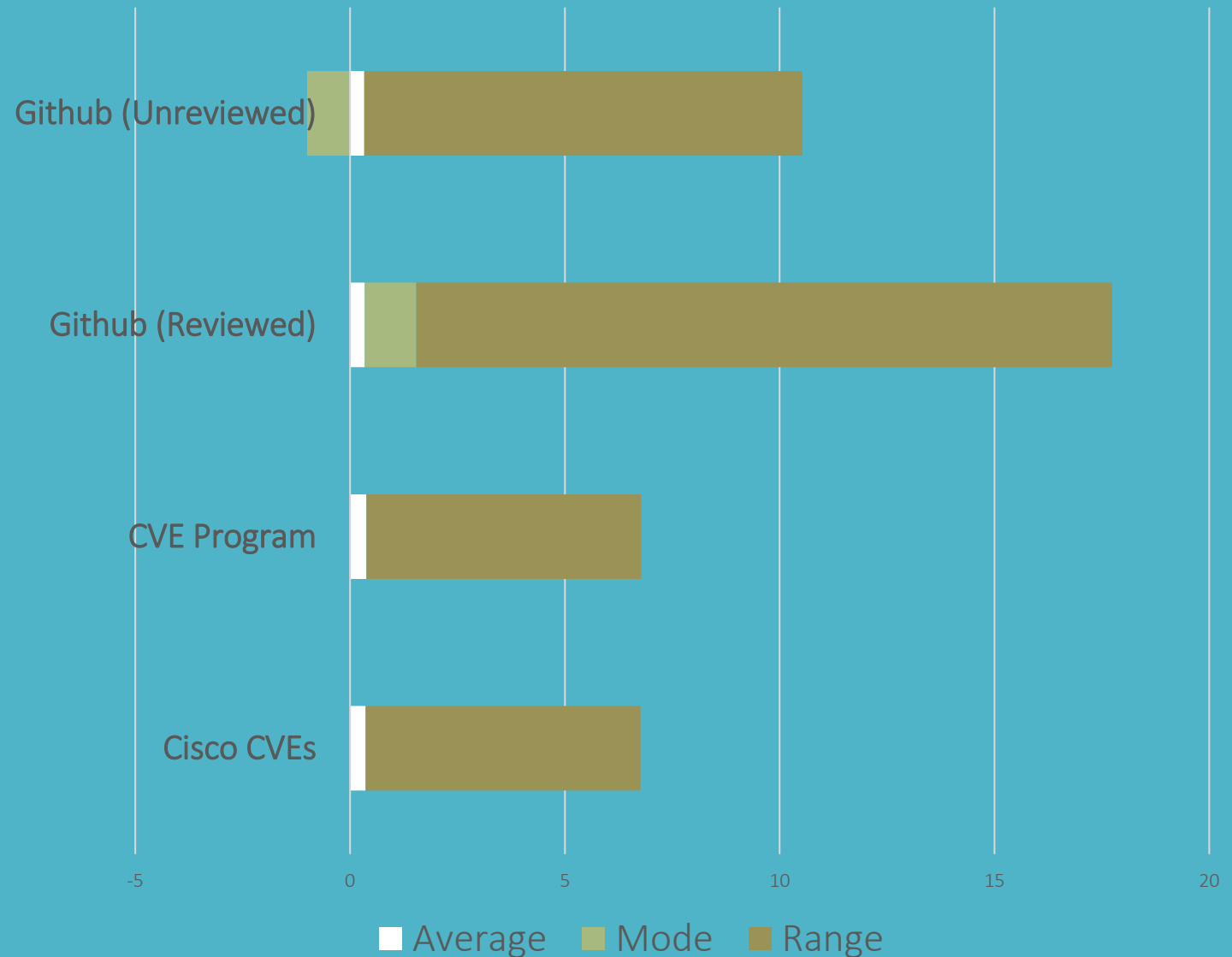
Allows consumers to distinguish non-impact qualities

# CVSS v4.0 Math



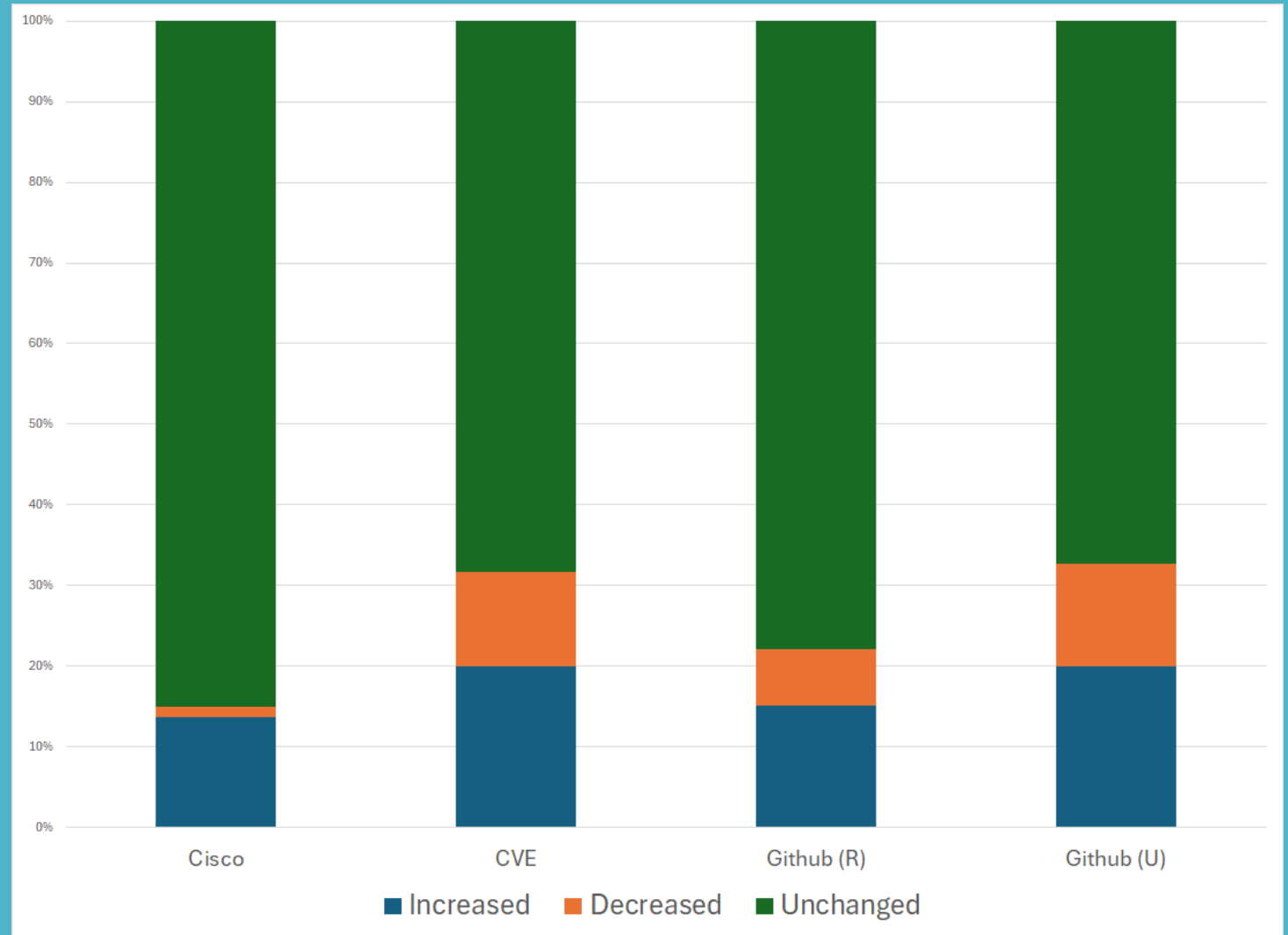
# Changes in data sets

- Fairly limited overall changes
- Average changes small (less than 4%)
- Individually, big changes
- Ranges are wide, but likely error-prone



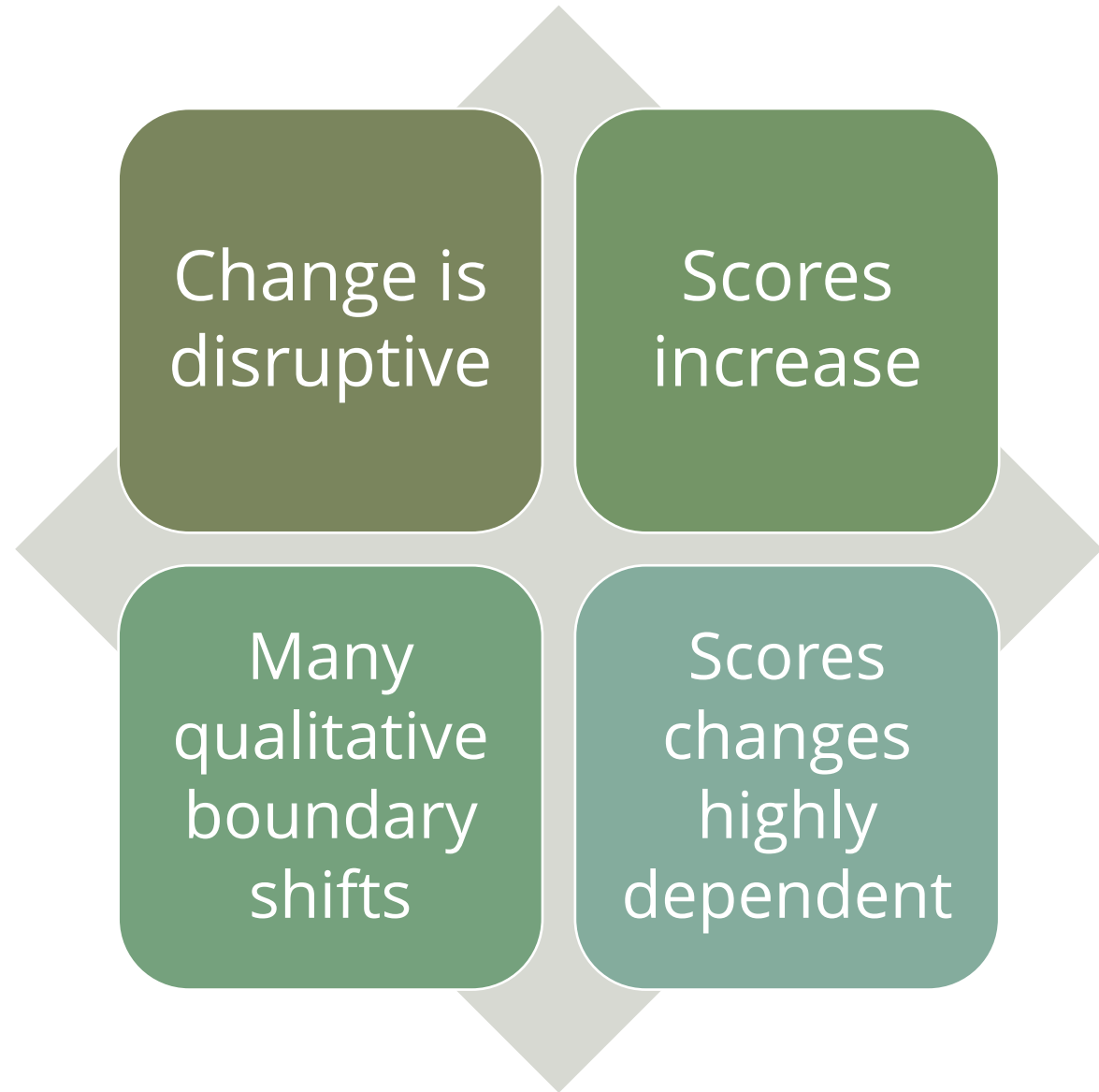
# Boundary Changes

- Ratio of entire set
- Represents some big boundary shifts
- Ultimately impacts decision making!



# CVSS v4.0 Important Takeaways

# CVSS v4.0 is Different



# Q&A

Thank You!