Security SME Survey Demographics

Legend: ■ Years of Technology Experience   □ Total Work Experience, if different from Technology Experience

	Mean	Median
Security	18	16
Technology	26	25
Toral Work	29	28

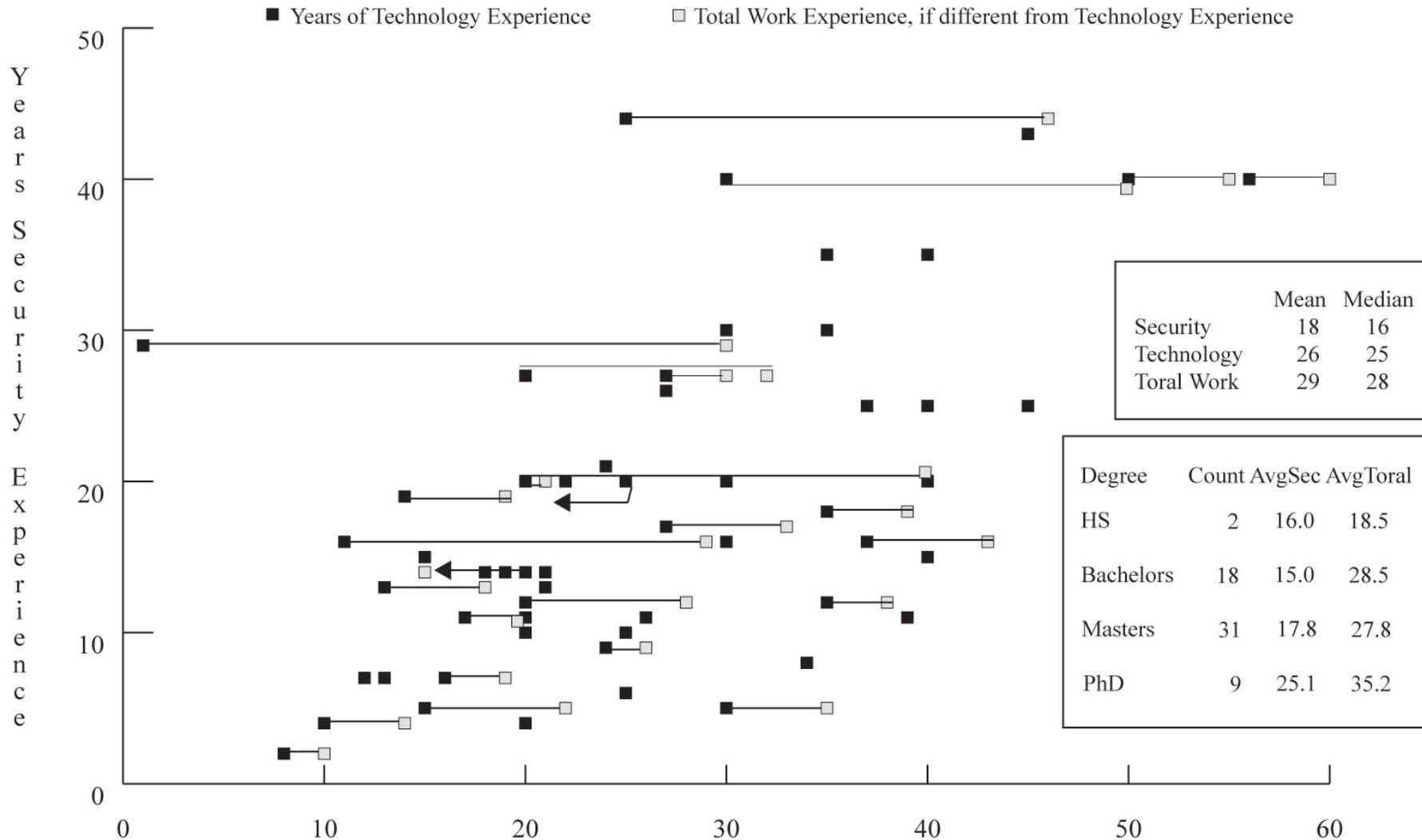| Degree	Count	AvgSec	AvgToral
HS	2	16.0	18.5
Bachelors	18	15.0	28.5
Masters	31	17.8	27.8
PhD	9	25.1	35.2

Security SME Survey Results

Winners

User identification and authentication
Withstand targeted penetration attacks by skilled attack teams
Incident detection and response
System interfaces accept only valid input
Articulate, maintain, and monitor system mission
Security awareness
Evaluate the extent to which systems are protected from known threats
Physical and environmental protection
Personnel screening and supervision

More Important

Segregate users into groups or roles for access control
Software integrity preservation
Due diligence in system and services acquisition
Infrastructure risk assessment
Security features that correspond to system functions
Control over removable media
Logs that verify that process designed to secure system is followed
Certification, accreditation, and security assessments
Quantify the value of assets at risk in system operation

Very Important

System recovery planning
Security features required to maintain integrity over system interfaces
System and software change control
System output conforms to well-defined specifications
Pass internal security review
Maintain audit trails on use of system functions
System-level risk assessment

Still Important

Progress in a management plan to secure system
Use security standards as system requirements
Successful execution of business continuity procedures
Fail in denial of service mode
Maintain integrity of interfaces through system development lifecycle
Pass security audit
System follows a commonly used architecture pattern
Percentage of systems or components that have passed security configuration tests
Pass regulatory audit
Oversight of vendor maintenance
Maintain values of standard security variables in system technical configuration
Number of resources consumed in system security tasks

Security SME Survey Summary Results

Winners – System-level security functionality

Very Important – System maintenance processes

More Important – Component level controls

Still Important – Checklists and audit

All data available at: http://www.bayuk.com/thesis/