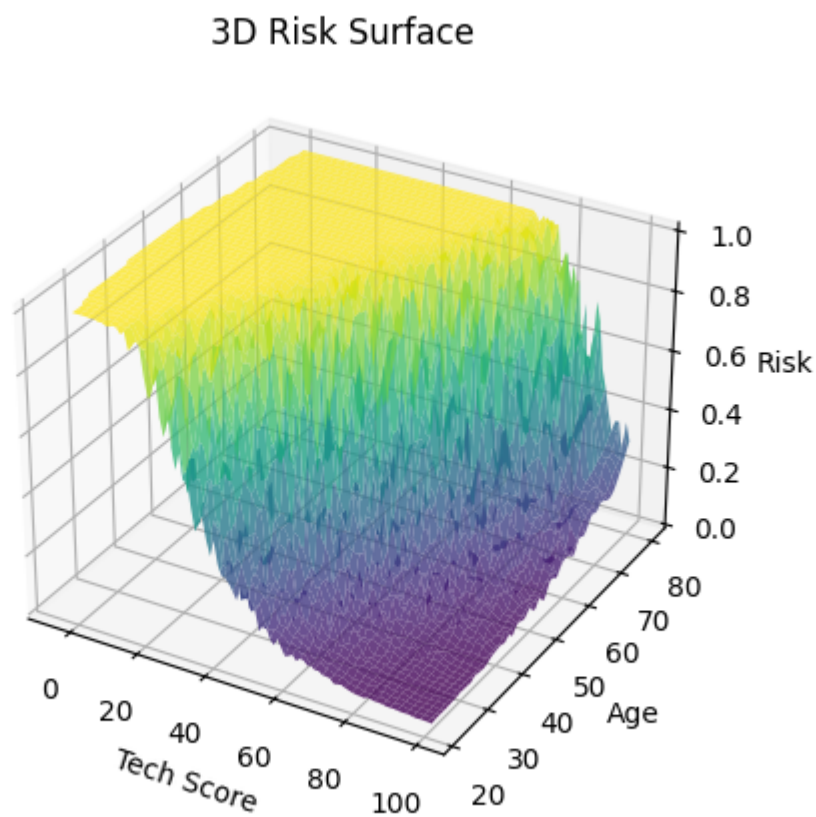# DeepPhish Simulation + Risk Assessment Report

Assessment Date: April 13, 2025
Report Generated: 2025-04-13 00:48:42

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1. Risk Pre-Assessment

The following image provides additional context or data for this assessment:

*Source: 3d_risk_surface.png*

2. Executive Summary

This report presents the results of a phishing simulation exercise conducted on **April 13, 2025**. A total of **10** employees were included in the test to evaluate their response to a simulated phishing threat.

- Clicked the link: 4 employees (**40.0%**)
- Reported the phish: 4 employees (**40.0%**)
- Ignored the email: 2 employees (**20.0%**)
- Remediation needed: 3 employees

This data highlights both areas of strength and potential risks within the organization's current awareness levels.

3. Simulation Response Visualization

Below is a graphical representation of employee responses during the simulation:
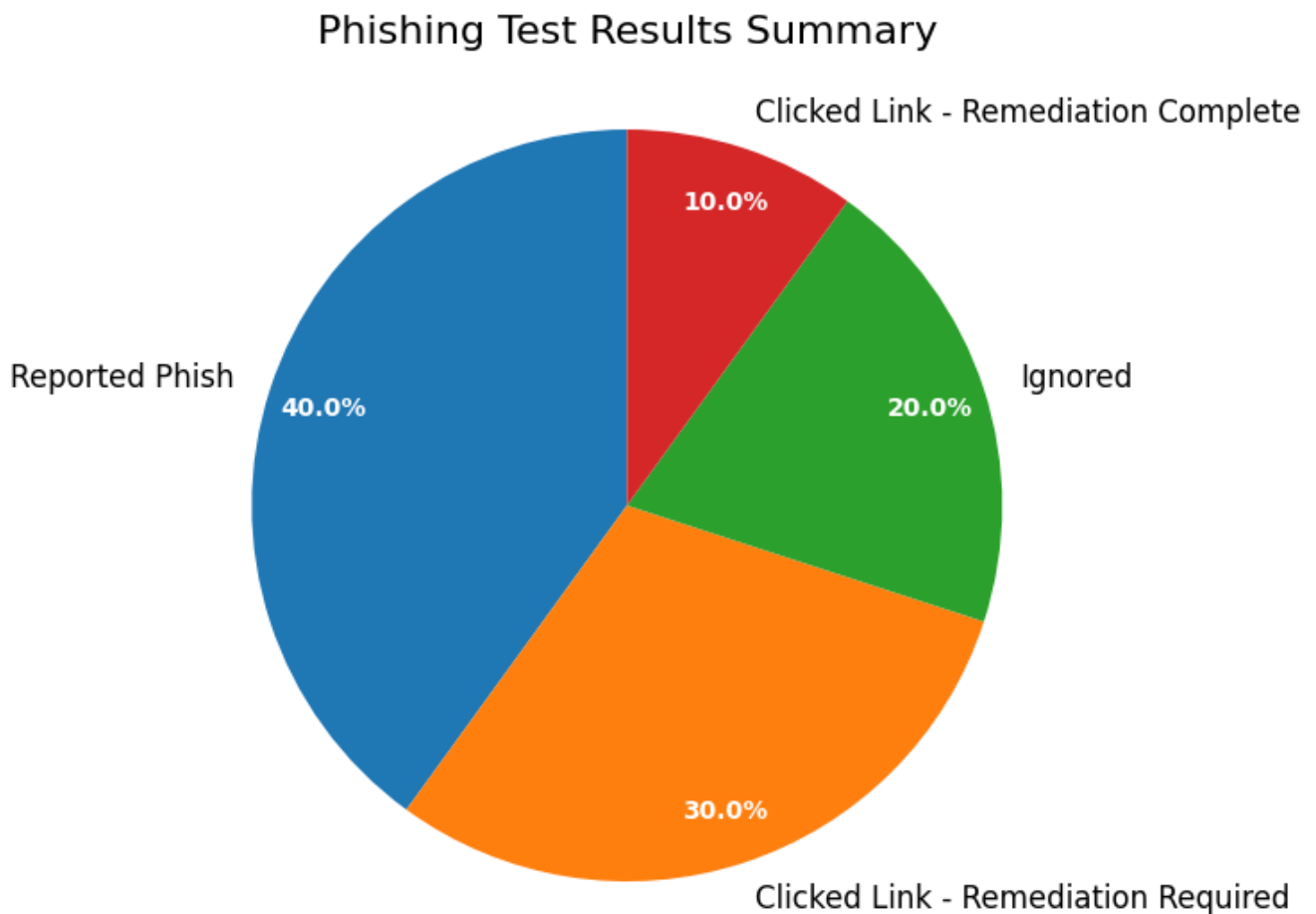
4. Detailed Interaction Log

The following table contains a log of all participants and their corresponding actions during the simulation.

Employee Name	Status	Department	Reported Date
Alice Smith	Clicked Link - Remediation Required	Sales	None
Bob Johnson	Reported Phish	Engineering	2025-04-10
Charlie Brown	Ignored	Marketing	None
Diana Prince	Clicked Link - Remediation Required	Sales	None
Ethan Hunt	Reported Phish	Engineering	2025-04-11
Fiona Glenanne	Reported Phish	Marketing	2025-04-10
George Constanza	Clicked Link - Remediation Complete	Sales	2025-04-12
Hannah Abbott	Ignored	Engineering	None
Ian Malcolm	Clicked Link - Remediation Required	Marketing	None
Jane Doe	Reported Phish	Sales	2025-04-11

5. Analysis & Strategic Recommendations

This phishing simulation provides meaningful insights into the organization's readiness against social engineering threats. Key findings and actionable recommendations are outlined below:

- **Targeted Remediation Training**
  Provide mandatory training to the **3** employees who interacted with the phishing email. Focus on spotting red flags, verifying sender legitimacy, and best practices for email handling.

- **Positive Reinforcement & Recognition**
  Acknowledge the **4** employees who correctly reported the phishing attempt. Recognition can increase motivation and awareness across the team.

- **Technical Control Audit**
  Review the effectiveness of current email filtering, anti-spoofing protocols (DMARC, DKIM, SPF), and threat detection systems to reduce phishing exposure.

- **Ongoing Testing**
  Plan the next simulation for **Q3 2025**. Iterative testing improves long-term resilience and tracks security awareness progress.

Report compiled by the DeepPhish for the ML@Purdue Hackathon!