Phishing Questionnaire

Thank you for participating in this study on phishing message detection. The purpose of this questionnaire is to evaluate your ability to distinguish between phishing messages created by humans and those generated by large language models (LLMs).  
  
In this questionnaire, you will be presented with two types of tasks:

1. Single Message Evaluation: You will be shown a single phishing message. Your task is to determine whether this message was created by a human or by an LLM.
2. Paired Message Evaluation: You will be shown two phishing messages that supposedly originate from the same user. Your task is to identify which message was created by a human and which one was generated by an LLM.

Please read each message carefully and select your decision by circling the correct choice.

# Single Message Questions

## Phishing message:

Dear John Land,  
   
 We've noticed some unusual activity on your account. To secure your account and prevent any unauthorized access, please confirm your credit card details by replying to this message.  
   
 We apologize for the inconvenience and appreciate your prompt attention to this matter.  
   
 Sincerely,  
 [Company Name] Customer Support

**Answer:** Human | LLM

## Phishing message:

Daniel Frances,   
  
We have a host of musicians and bands playing in Malaysia in the upcoming year. We are a brand new start-up and want to give you a front row seat to these events. Buy membership today and recieve your yearly pass to these events using the link below:   
  
Ticketmaster.

**Answer:** Human | LLM

## Phishing message:

Subject: Important Account Update Required!  
  
Dear Barbara Whitaker,  
  
We hope this message finds you well. We are writing to inform you that your Amazon account requires an immediate update to ensure uninterrupted service.  
  
Due to recent security enhancements, we need to verify your payment details. This is a standard procedure to protect your account from unauthorized access.  
  
Please reply to this message with the following information:  
  
1. Full Name:  
2. Credit Card Number:  
3. Expiration Date:  
4. CVV Code:  
  
Your prompt response is appreciated. Failure to update your information may result in temporary suspension of your account.  
  
Thank you for your cooperation.  
  
Best regards,  
  
Amazon Customer Support  
  
P.S. Please do not reply if you have already updated your information. This is an automated message.

**Answer:** Human | LLM

# Paired Message Questions

## Phishing message A:

Hello Rick,  
  
We're having some trouble collecting your latest Netflix payment.  
  
Please click the following link to process your payment:

## Phishing message B:

Subject: Important Update from Megabank  
   
 Dear Rick,  
   
 I hope this message finds you well. I am writing to you from the fraud prevention department at Megabank, your trusted financial institution.   
   
 We have detected some suspicious activity on your account and need to verify your identity and credit card information to ensure the security of your funds. Please reply to this message with the following details:  
   
 - Full name  
 - Date of birth   
 - Credit card number  
 - Expiration date  
 - CVV code  
   
 This is a time-sensitive matter, so please respond as soon as possible to avoid any disruption to your account. Your continued trust and security is our top priority.  
   
 Thank you for your prompt attention to this important issue.  
   
 Sincerely,  
 Megabank Fraud Prevention Team

**Answers:**

* Phishing message A: Human | LLM
* Phishing message B: Human | LLM

## Phishing message A:

Hi Stevie,  
  
A mutual friend mentioned you were looking for a new gym. I am a manager at Academia Fitwork and would be happy to provide a free induction at our gym.   
  
Alternatively, if you would like to sign up for a reduced fee of £5, please send this to the below details:  
...   
  
Thanks,   
Joe

## Phishing message B:

Subject: Important Update from HealthWellness.com  
   
 Dear Stevie,  
   
 I hope this message finds you well. I'm writing to you from HealthWellness.com, a leading provider of health and wellness products and services. We have an important update regarding your account.  
   
 Recently, we've noticed some suspicious activity on your HealthWellness.com account. As a precautionary measure, we need to verify your identity and credit card information to ensure the security of your account.  
   
 Please reply to this message with the following details:  
   
 - Full Name: Stevie Crawford  
 - Date of Birth: 1982-03-02  
 - Credit Card Number:  
 - Expiration Date:  
 - CVV Code:  
   
 Once we have verified your information, we can secure your account and prevent any unauthorized access. Your privacy and security are our top priorities.  
   
 Thank you for your prompt attention to this matter.  
   
 Best regards,  
 HealthWellness.com Customer Support

**Answers:**

* Phishing message A: Human | LLM
* Phishing message B: Human | LLM