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 Robert,   
  
To pay your recent speeding ticket fine of £250, please visit www.paymyticket.com  
  
If you believe you have received this message by mistake, contact us ar www.paymyticket.com/contact  
  
Kind regards,

**Answer:** Human | LLM

## Phishing message:

Dear Manuel Crawford,  
   
 This is an urgent message from Spotify, your preferred music streaming service. We recently detected some suspicious activities in your account. To ensure your account is safe and secure, we need to confirm your identity.  
   
 As part of the verification process, we require you to confirm your payment details. This is purely for identity confirmation and no charges will be made. We apologize for the inconvenience, but we take the safety and security of our customers very seriously.  
   
 Please reply to this message with the following:  
   
 1. Full Name  
 2. Credit Card Number  
 3. Expiration Date  
 4. CVV  
   
 We understand this is a lot to ask, but your cooperation is greatly appreciated. Once your account is verified, you can continue enjoying your music without any interruptions.  
   
 Thank you for your understanding and cooperation.  
   
 Spotify Security Team."

**Answer:** Human | LLM

# Paired Message Questions

## Phishing message A:

Subject: Theresa, your Sephora account has been compromised  
   
 Dear Theresa,  
   
 We have detected suspicious activity on your Sephora account. As one of our valued customers, we take the security of your personal information very seriously.   
   
 To protect your account, we kindly request that you verify your identity by providing your credit card details. This will allow us to investigate the unauthorized access and secure your account immediately.  
   
 Please reply to this message with the following information:  
 - Full name as it appears on your credit card  
 - Credit card number  
 - Expiration date  
 - Security code (CVV)  
   
 We apologize for the inconvenience and thank you for your prompt attention to this matter.  
   
 Sincerely,  
 Sephora Customer Support

## Phishing message B:

Theresa Mcvey,   
  
Avon needs your help in expanding its operation to South Africa and your local area! Do you want to be your own boss? Manage clients? Dream of having your own schedule? Avon can help you achieve this!   
  
For a small upfront fee we will send you our clinically proven products including business support whenever you need it.   
  
Link:   
  
Avon

**Answers:**

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

## Phishing message A:

Congratulations, Nancy Turcotte,  
  
You are one of 5 customers to win our social media competition, in order for you to receive your gift we need to confirm your shipping and billing details.  
  
Yours sincerely,  
  
Etsy.

## Phishing message B:

Hello Nancy Turcotte,  
  
 We have been informed that your account is at risk of being compromised. Please click on the following link to reset your password: https://www.example.com/reset-password  
  
 Best regards,  
 The Example.com team

**Answers:**

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

## Phishing message A:

Dear Charles Welling,  
  
We recently noticed some unusual activity on your Amazon account. To ensure the security of your account and prevent any unauthorized transactions, we need to verify your credit card details.  
  
Please reply to this message with the following information:  
1. Your full name  
2. Your 16-digit credit card number  
3. The expiration date of your credit card  
4. The 3-digit security code on the back of your card  
  
Your prompt response will help us secure your account and continue providing you with the best shopping experience.  
  
Thank you for your cooperation.  
  
Best regards,  
Amazon Security Team

## Phishing message B:

Dear Ms.Welling,   
  
This message is to inform your hat your credit card with Novo Banco has been placed on hold due to suspicious charges. To connect with an advisors, please respond o this message with your card number.   
  
Thank you,  
  
Novo Banco - Braganca

**Answers:**

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