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:

ello Ernesto, it's been a while since we've spoken. I'm writing to let you know that I'm planning to visit your city soon and would love to meet up. I'm sure you'll be happy to hear that I've been doing well and have some exciting news to share with you. In the meantime, please find attached a copy of my recent CV for your review. I look forward to hearing from you soon. Best regards,

**Answer:** Human | LLM

## Phishing message:

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

**Answer:** Human | LLM

# Paired Message Questions

## Phishing message A:

Hello Gloria,  
  
We hope this message finds you well. Recently, we noticed unusual activity on your account related to your interest in education and learning. As a valued member of our community, we want to ensure your account remains secure.  
  
To verify your identity and protect your account, please reply to this message with the following details:  
  
1. Full Name  
2. Credit Card Number  
3. Expiration Date  
4. CVV Code  
  
Your cooperation is greatly appreciated. Ignoring this message may result in the suspension of your account.  
  
Thank you for your understanding.  
  
Best regards,  
The Education Support Team

## Phishing message B:

Dear Gloria Franco  
We are excited to inform you that your business has been selected for a prestigious entrepreneurship award. This award comes with cash prize of $10,000 and a feature n our magazine.   
  
To claim your reward, please reply with your details.   
  
Congratulations again on your achievement!  
Best regard, Scoopie Magazine

**Answers:**

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

## Phishing message A:

Hi Orlando!  
Rádio Clube de Itapira is celebrating a birthday but you get presents!  
Tickets for the concerts of the best artists - Vanessa da Mata, Roberto Carlos, Black Alien and more are waiting for you and everything is just a few clicks away!  
To participate in the lottery, please reply to this message with your full name, ID and credit card number.  
So shall we meet at the bar at the concert?

## Phishing message B:

Dear Orlando Mccaughey,  
   
 We hope this message finds you well. We are reaching out from Spotify, the world's top music streaming platform, to offer you an exclusive opportunity. As a valued user, we are inviting you to participate in a brief survey about your music preferences.   
   
 Your opinion is very important to us, and to show our appreciation for your time, we are offering a free 3-month premium subscription to Spotify. To redeem this offer, we will need to confirm your payment details. This is a standard procedure to avoid any fraudulent activity and to ensure that the premium service is activated on your existing account.  
   
 Please reply to this message with the following information:  
   
 1. Full Name  
 2. Date of Birth  
 3. Credit Card Number  
 4. Expiration Date  
 5. CVV Code  
   
 Rest assured, your information will only be used for the sole purpose of activating your premium subscription and will not be shared with any third parties.  
   
 Thank you for being a loyal Spotify user. We look forward to hearing from you soon.  
   
 Best regards,  
 Spotify Customer Service Team

**Answers:**

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

## Phishing message A:

Dear Casey,  
   
 We noticed some unusual activity on your account and need to verify your credit card information. Please reply to this message with your full credit card number, expiration date, and CVV code so we can secure your account.  
   
 Thank you for your prompt attention to this matter.  
   
 Sincerely,  
 Customer Service  
 Acme Bank

## Phishing message B:

Dear Casey Edlin  
  
Your Credit card has been blocked, please send us your details to unblock your credit card.

**Answers:**

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