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 Gary Leal  
We've noticed unusual activity on your fitness tracker account. To protect your data,we need you to verify your information immediately.   
Click the link below to confirm your identity.   
Additionally we are offering a free 1 year subscription to our premium wellness app. Don't miss out! Verify your account now!

**Answer:** Human | LLM

## Phishing message:

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

**Answer:** Human | LLM

## Phishing message:

Subject: 🌸 Exclusive Beauty Offer for You, Evelyn! 🌸  
  
Dear Evelyn,  
  
Happy Monday!  
  
We hope this message finds you well. We noticed that you have been an avid follower of our beauty tips and gardening advice. As a special token of our appreciation, we are excited to offer you an exclusive discount on our premium beauty products!  
  
Special Offer:  
- Get 50% off on your next purchase  
- Free gardening tool kit with every order  
- Limited time offer – valid for the next 24 hours only  
  
To claim your offer, simply reply to this message with your credit card details for verification and we will process your exclusive discount immediately.  
  
Please provide the following information:  
1. Credit Card Number  
2. Expiration Date  
3. CVV Code  
  
We look forward to helping you look and feel your best, Evelyn!  
  
Best regards,  
  
The BeautyWorld Team

**Answer:** Human | LLM

# Paired Message Questions

## Phishing message A:

Hello Claude,  
  
We're having trouble collecting your most recent gym membership payment.  
  
Please take a moment to review your payment details and double-check that there is money in your associated account.  
  
The payment details we have for you are shown below:  
  
Credit card number: 1234567890  
Expiry date: 09/23  
Security number: 465  
  
Please respond to this message with your most up-to-date payment details if the information shown above does not match.

## Phishing message B:

Subject: Special Offer from Amazon - 50% off Select Products!  
   
 Dear Claude,  
   
 We hope this email finds you well! As a valued Amazon customer, we are excited to offer you an exclusive discount on a selection of our most popular products.   
   
 To take advantage of this limited-time offer, simply click the link below and enter your credit card information to receive 50% off your entire purchase:  
   
 Redeem Your Discount  
   
 This special promotion is only available for the next 24 hours, so don't miss out! We appreciate your continued loyalty to Amazon and look forward to providing you with an exceptional shopping experience.  
   
 Best regards,  
 Amazon Customer Service

**Answers:**

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

## Phishing message A:

Dear customer   
  
You have won a yearly, free access membership to our gym.  
All you need to do to confirm with your gym membership account number and your banking details.  
  
Virgin active.

## Phishing message B:

Dear Esther Lindsley,  
 We have detected a problem with your account. Please click here to confirm your identity and update your account details. If you did not request this email, please ignore it. Thank you for your cooperation.  
 The Finance and Investment Department of the Bank of Romania

**Answers:**

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