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:

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

## Phishing message:

Hello, Mr. Vega,  
 We have received your request for a credit card renewal.  
 Please provide the following information to renew your credit card.  
 Your credit card expired on 12/23/2022. Your new credit card number is 1234 5678 9012 3456.  
 Your PIN code is 1234.  
 Please use your new credit card number and PIN code to renew your credit card.  
 If you have any questions, please contact us.  
 Yours sincerely,  
 The customer support team of Mon Crédit

**Answer:** Human | LLM

# Paired Message Questions

## Phishing message A:

Subject: Urgent: Verify Your Account Information  
  
Body:  
  
Dear Amber Williams,  
  
Thank you for being a valued customer of AdventureGear Inc., your trusted source for outdoor activities and fashion.  
  
We recently noticed unusual activity on your account and need to verify your information to ensure the security of your account.  
  
Please reply to this message with the following details to confirm your identity:  
  
1. Full Name: Amber Williams  
2. Date of Birth: 04 January 1995  
3. Credit Card Number:  
4. Expiration Date:  
5. CVV Code:  
  
Your swift response is crucial to prevent any unauthorized access. We apologize for any inconvenience this may cause.  
  
Thank you for your cooperation.  
  
Best Regards,  
  
AdventureGear Inc.  
Customer Support Team

## Phishing message B:

Hi Amber, I was wondering if you might be free to come to this amazing new exhibition with me? Its in central Lüderitz and you just have to register your interest and you could win a free painting!

**Answers:**

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

## Phishing message A:

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

## Phishing message B:

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.

**Answers:**

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

## Phishing message A:

Dear Harold Spain,  
 We have detected unusual activity on your account. Please click on the link below to confirm your identity and continue using our services.  
 If you did not initiate this request, please ignore this email.  
 https://www.google.com/  
 Best regards,  
 Google

## Phishing message B:

Hello Harold,   
  
This is Neietsu Bank. We regret to inform you that your credit card has been stolen. Please send your full credit card number, expiration date, and security code so we can confirm the offense and replace your card with a new one.   
  
Regards  
  
Neietsu Bank of South Korea

**Answers:**

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