Supporting Experimental Documentation

Belief Updating with an Unknown DGP: Experimental Evidence from AI Recommendations

Matthew Kovach, Daniel Martin, and Gerelt Tserenjigmid

Prepared November 2, 2026

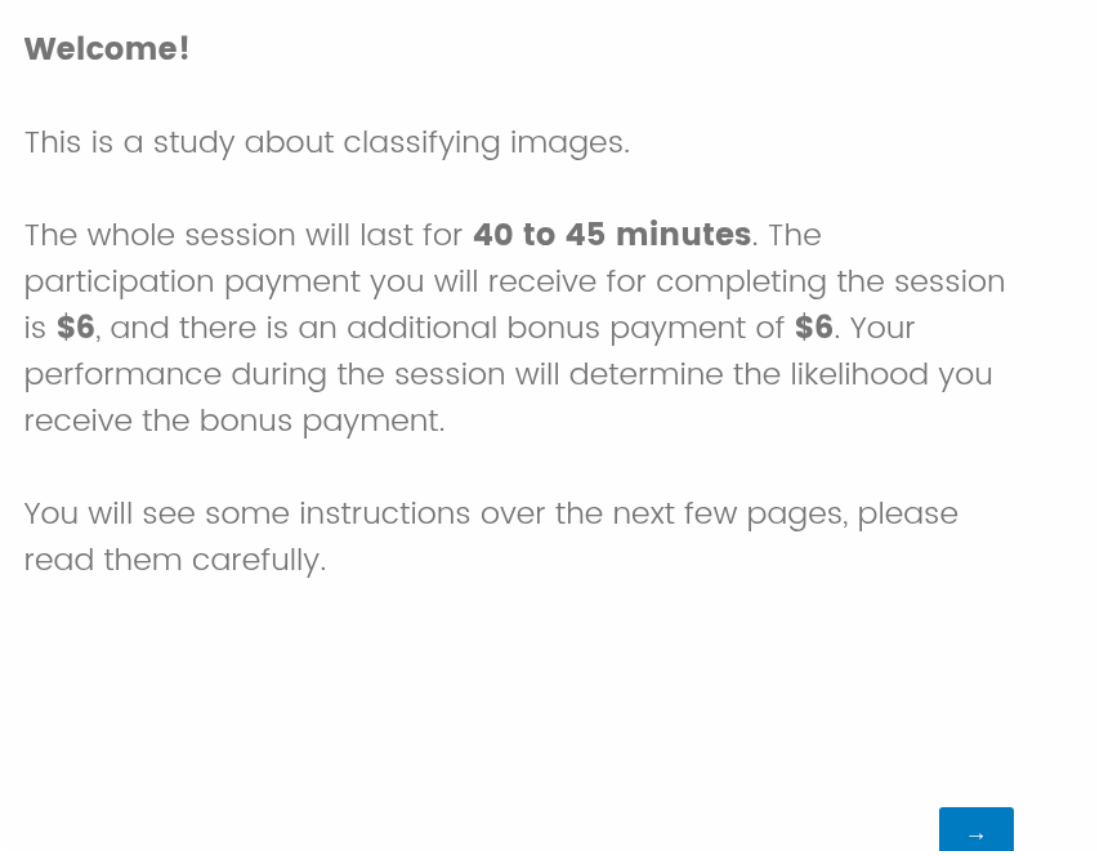


Figure 1: Welcome screen showing the $6 participation payment and possible $6 bonus.

Instructions

In this session, you will be shown **images** of people one at a time.

For each image, you will be asked the **probability** (from 0% to 100%) that you think the person was over 21 years old when the image was taken. For example, if you were presented with the following image, you would be asked the probability you think the person was over 21 years old.



After seeing 160 images, you will be asked to complete a very brief survey.

→

Figure 2: Instruction screen.

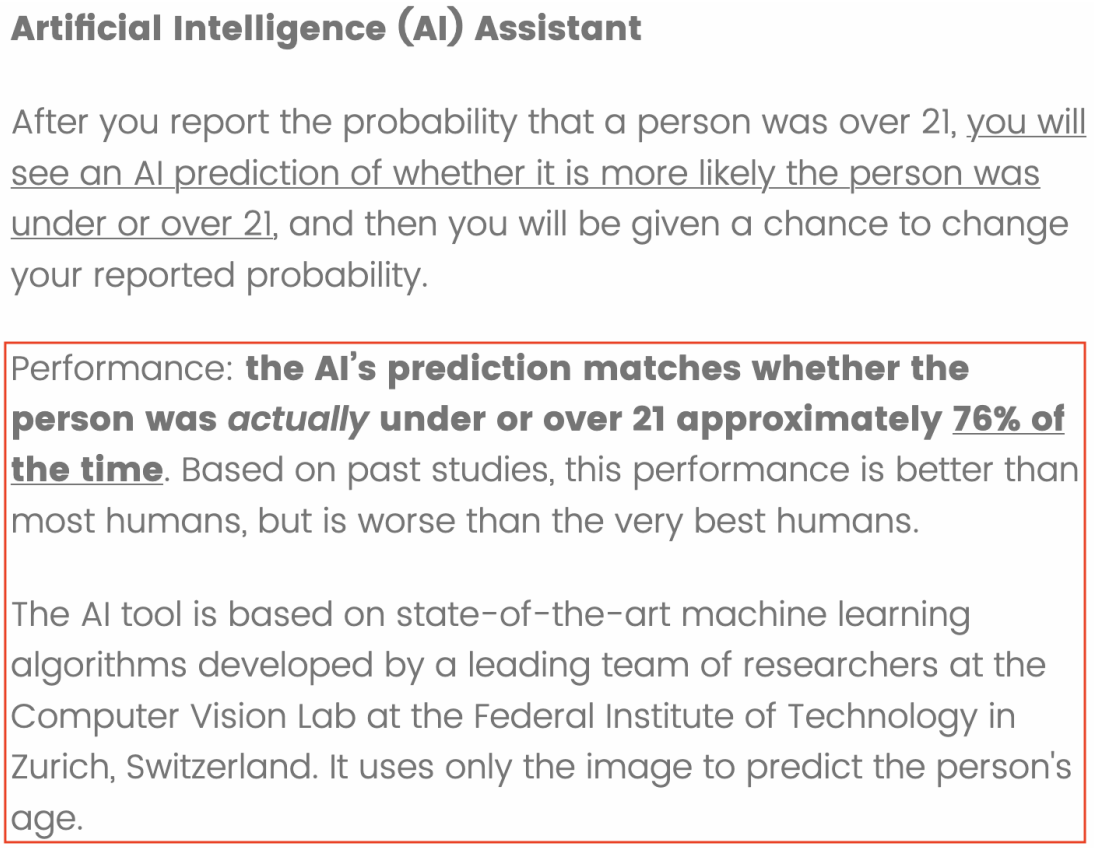


Figure 3: AI accuracy information screen (text in red box for INFO treatment).

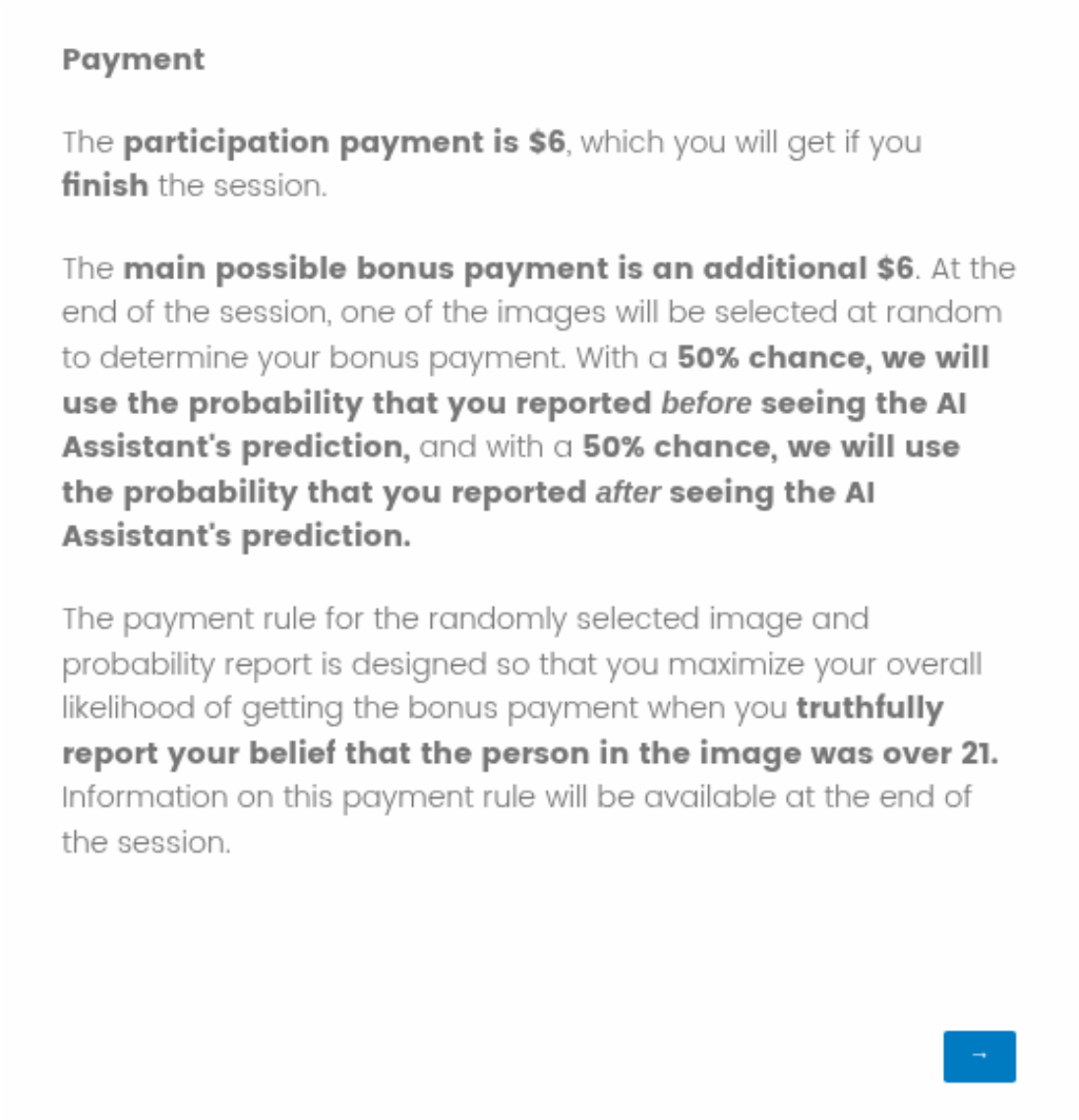


Figure 4: Payment instructions showing the $6 participation payment and possible $6 bonus.

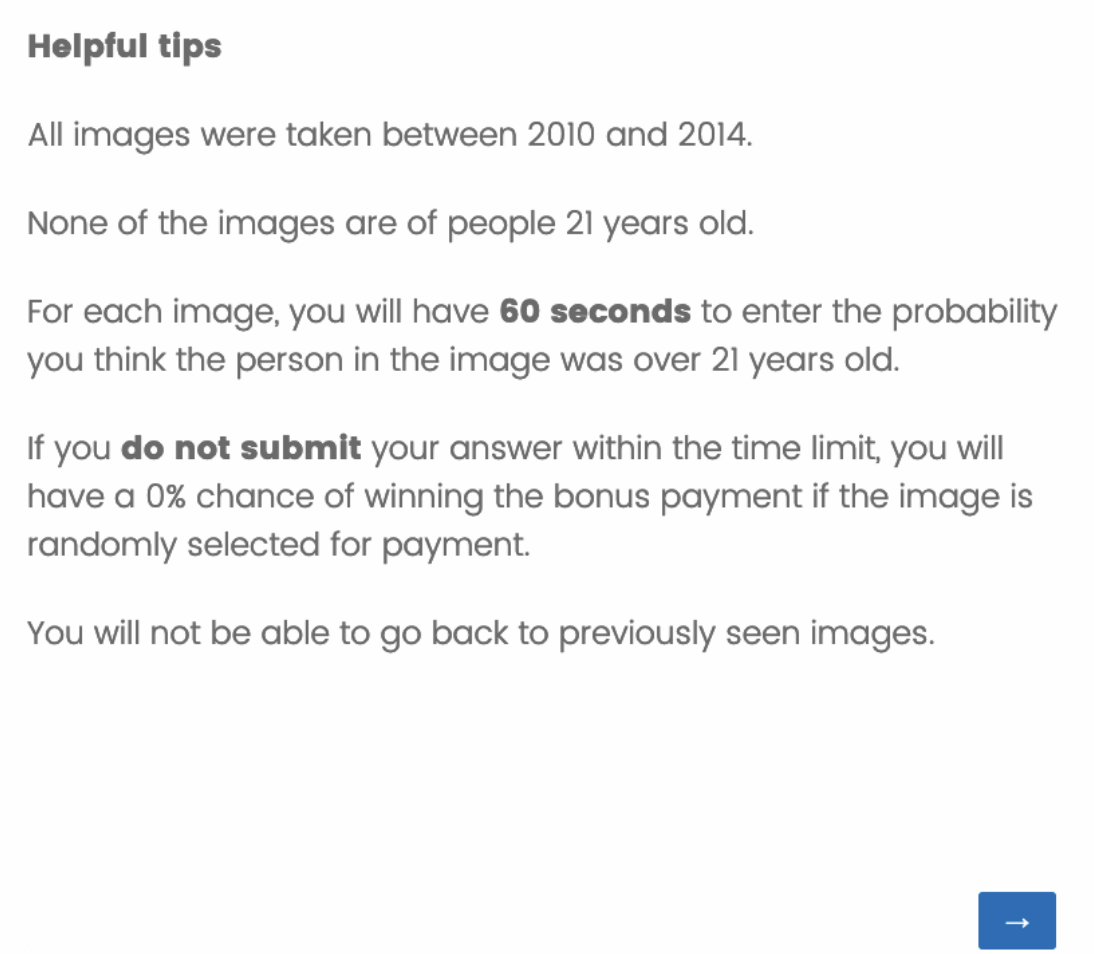


Figure 5: Helpful tips screen.

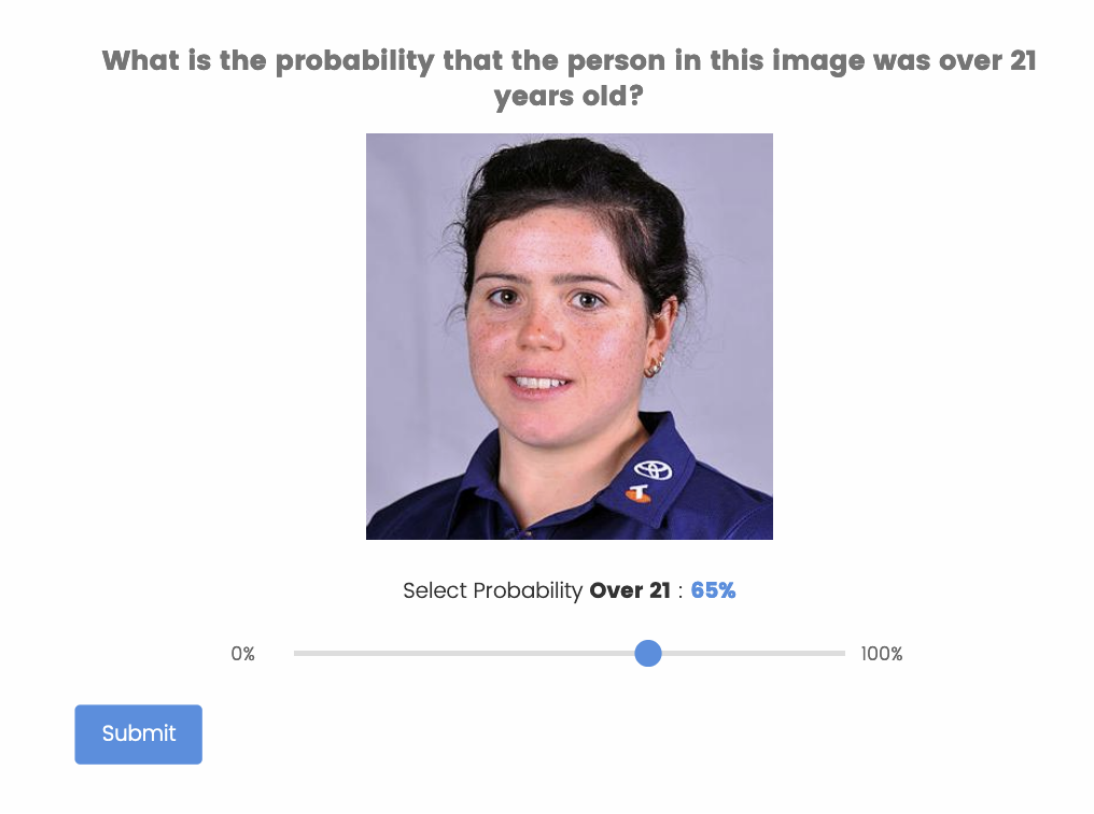


Figure 6: Prior belief elicitation screen.

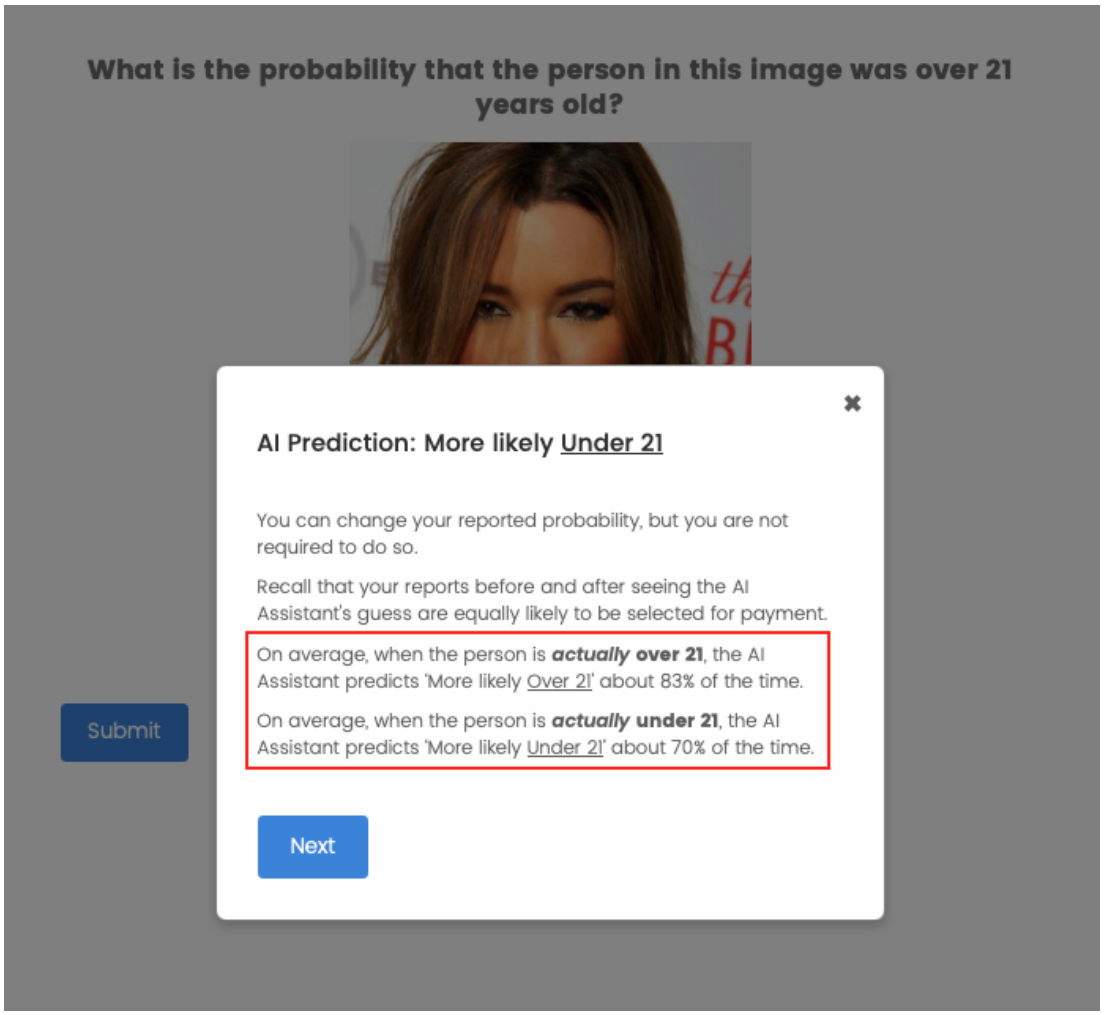


Figure 7: AI recommendation pop-up (text in red box for INFO treatment).

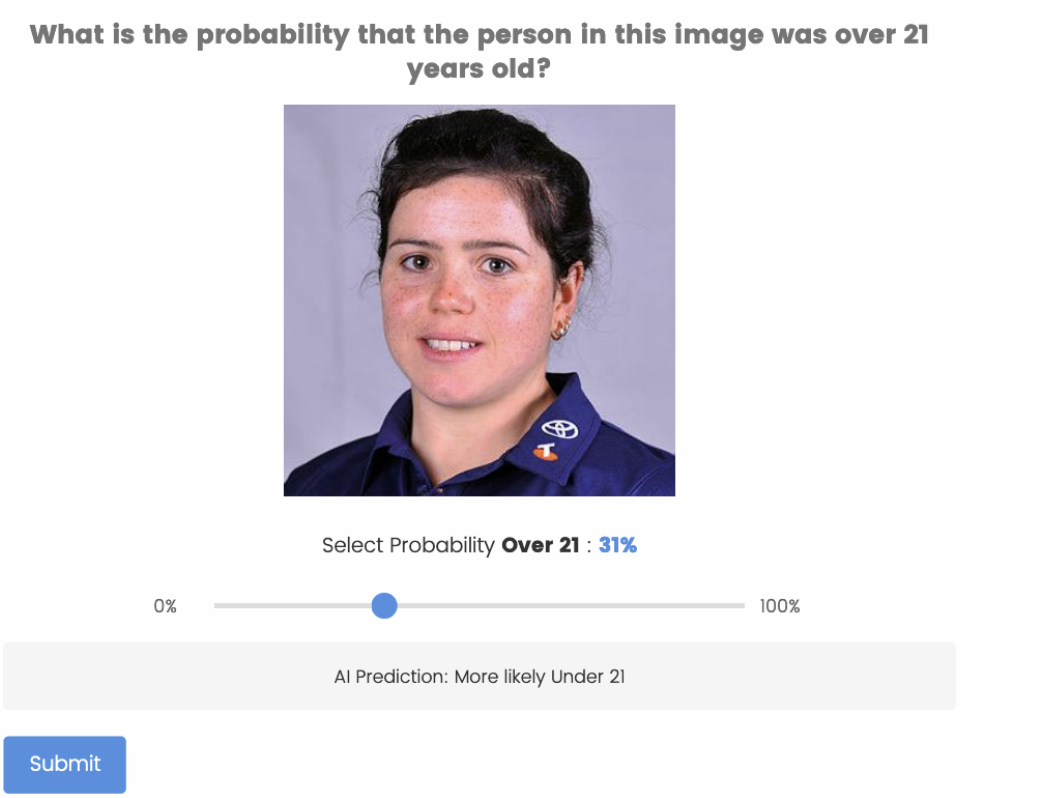


Figure 8: Posterior belief elicitation screen.

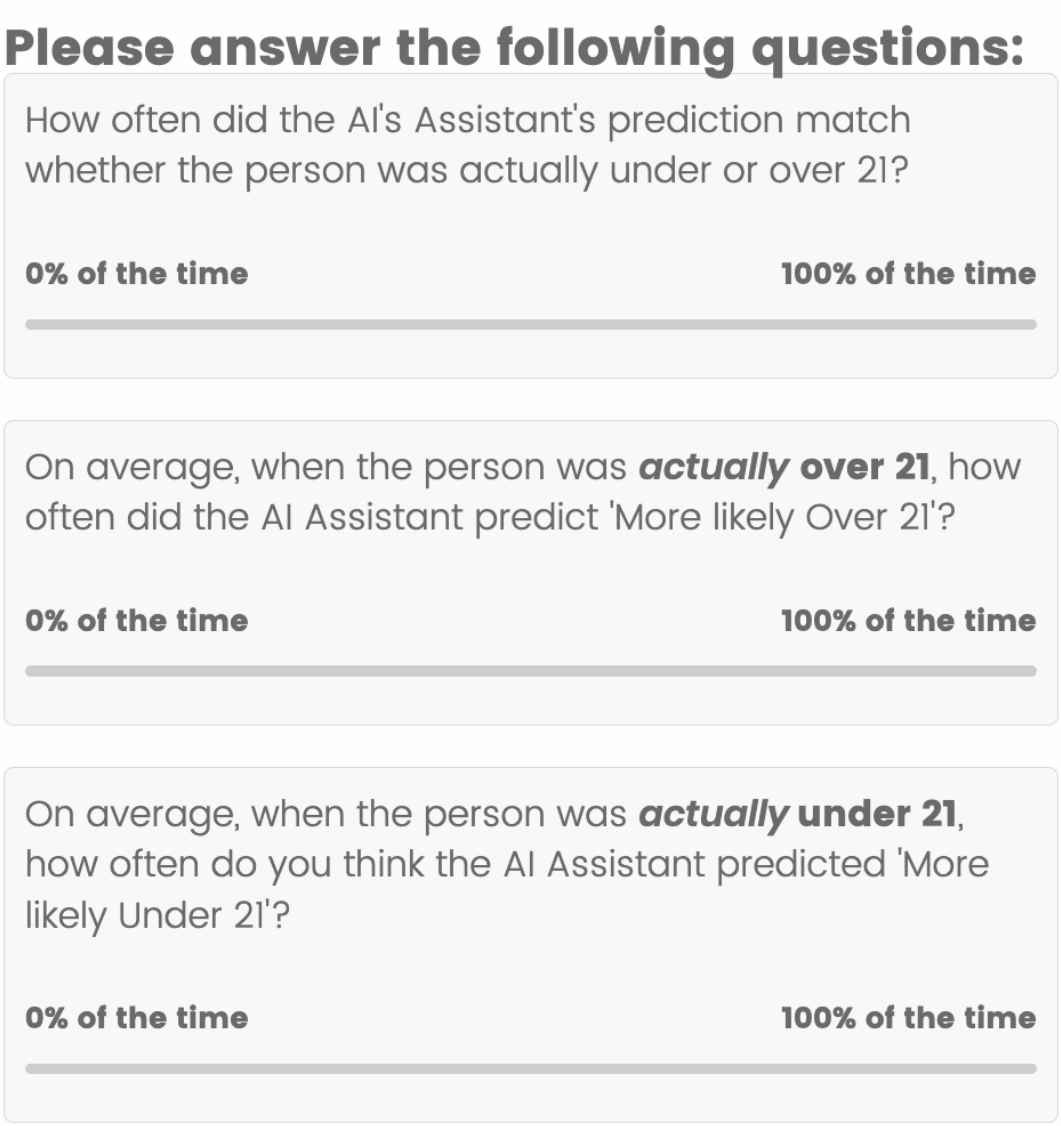


Figure 9: Final survey, page 1: beliefs about overall AI accuracy and state-conditional recommendation rates.

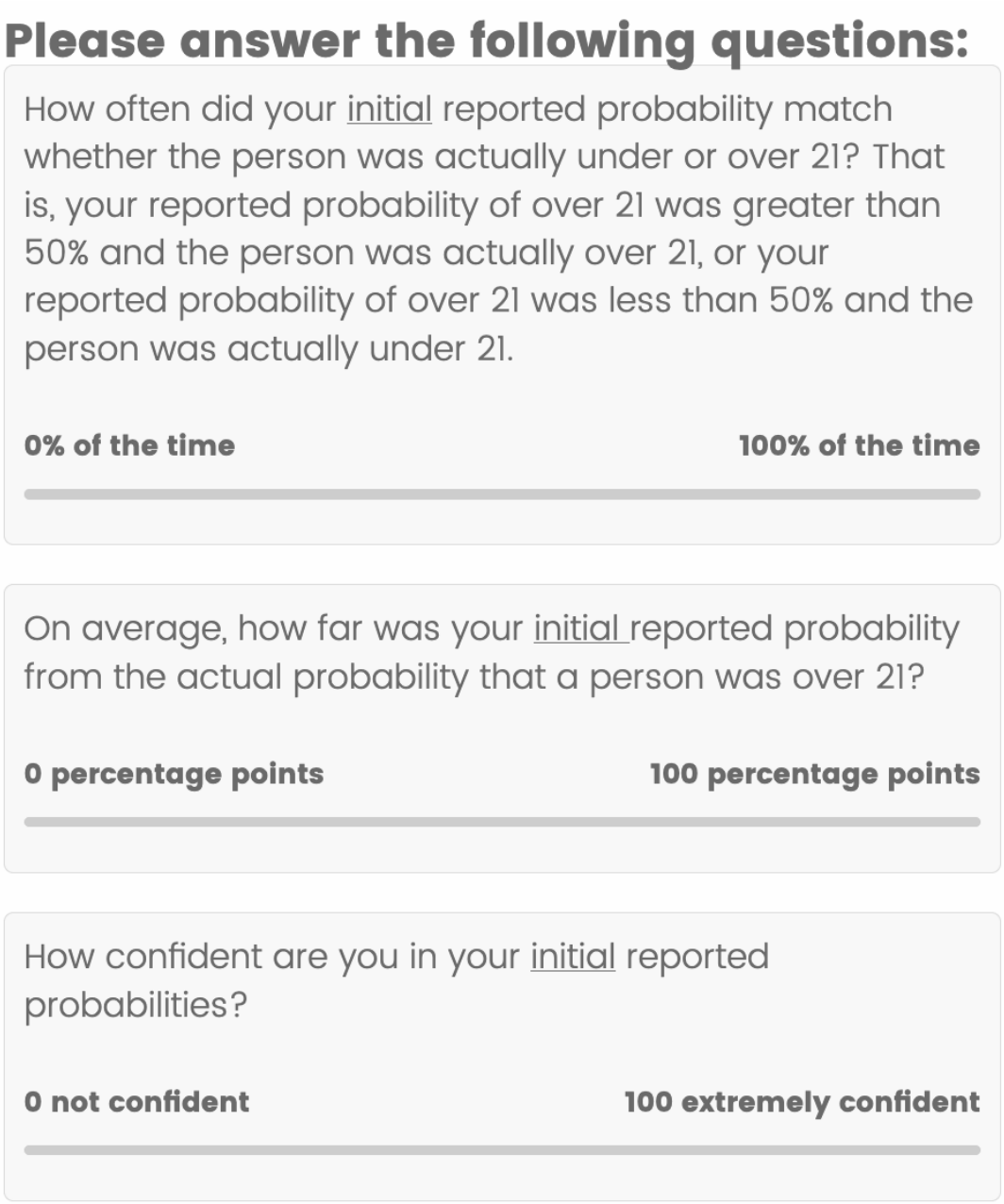


Figure 10: Final survey, page 2: perceived accuracy, average error, and confidence in initial probability reports.

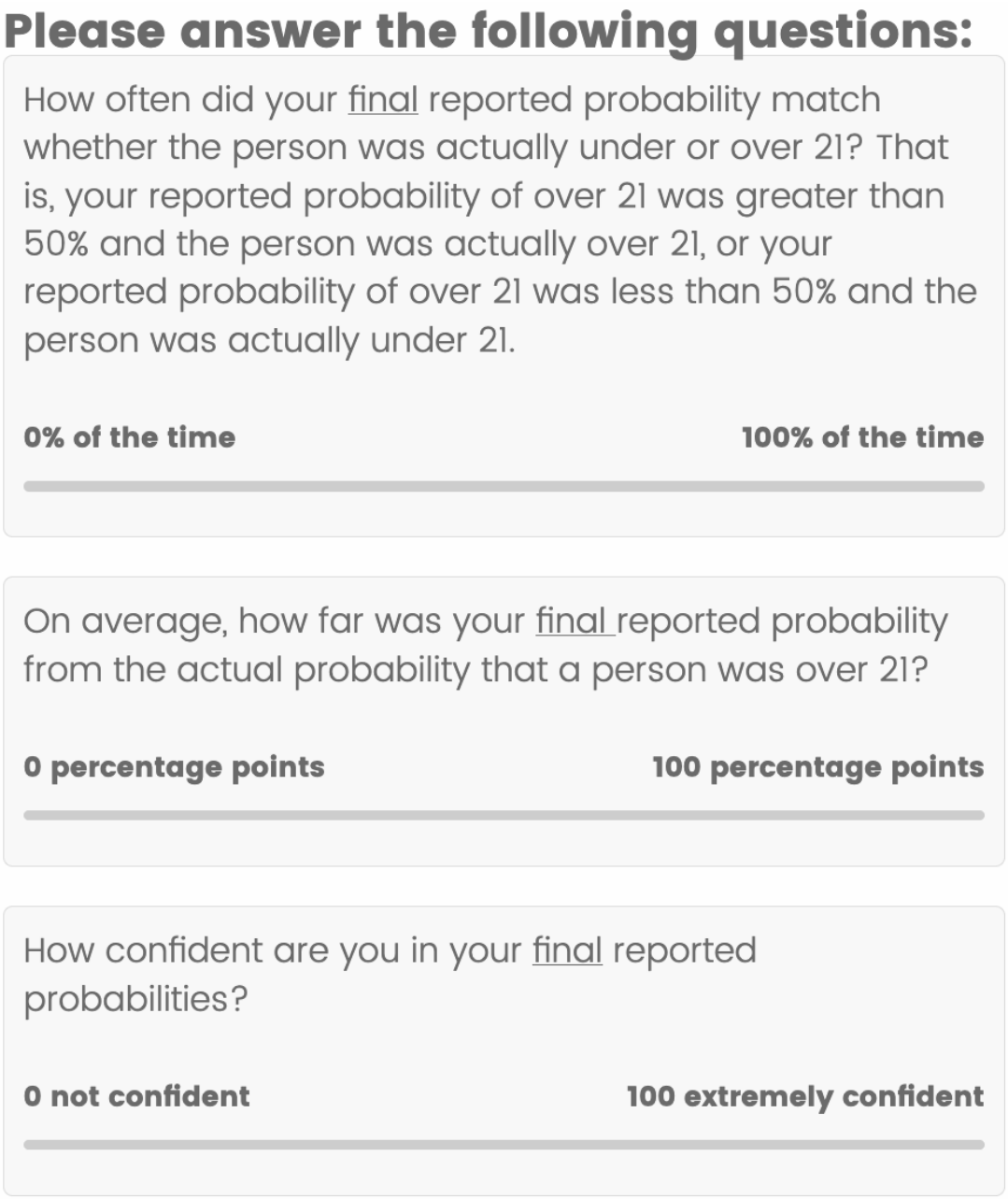


Figure 11: Final survey, page 3: perceived accuracy, average error, and confidence in final probability reports.

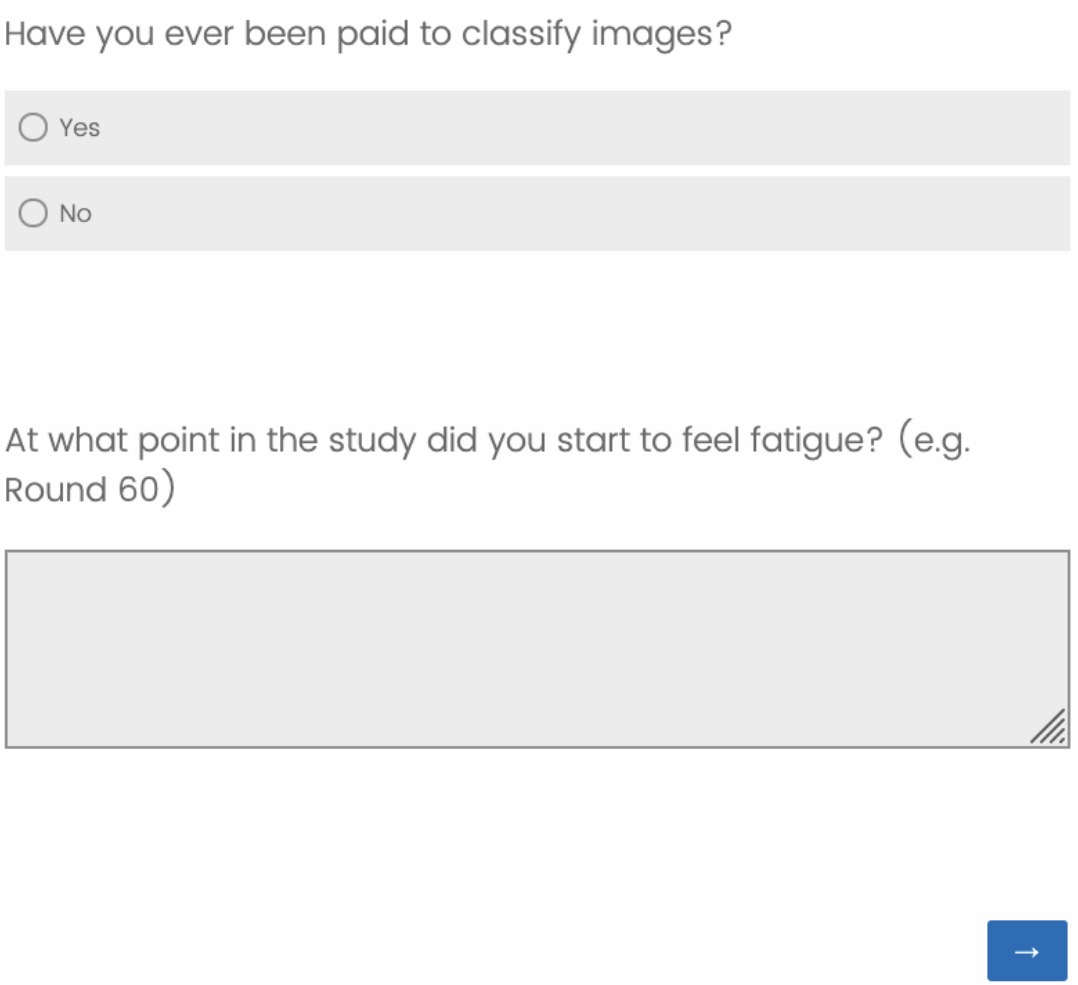


Figure 12: Final survey, page 4: prior paid image-classification experience and fatigue.

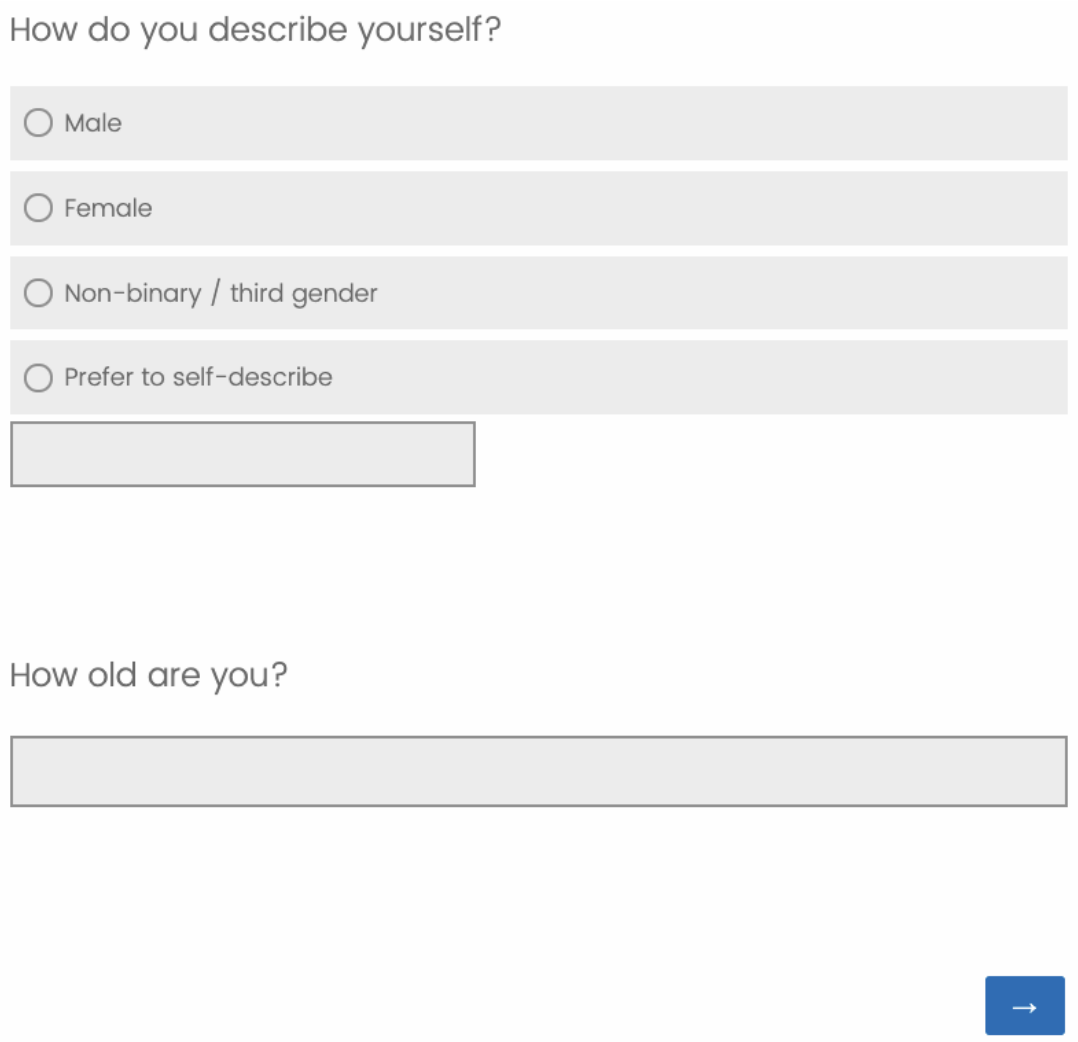


Figure 13: Final survey, page 5: gender and age.

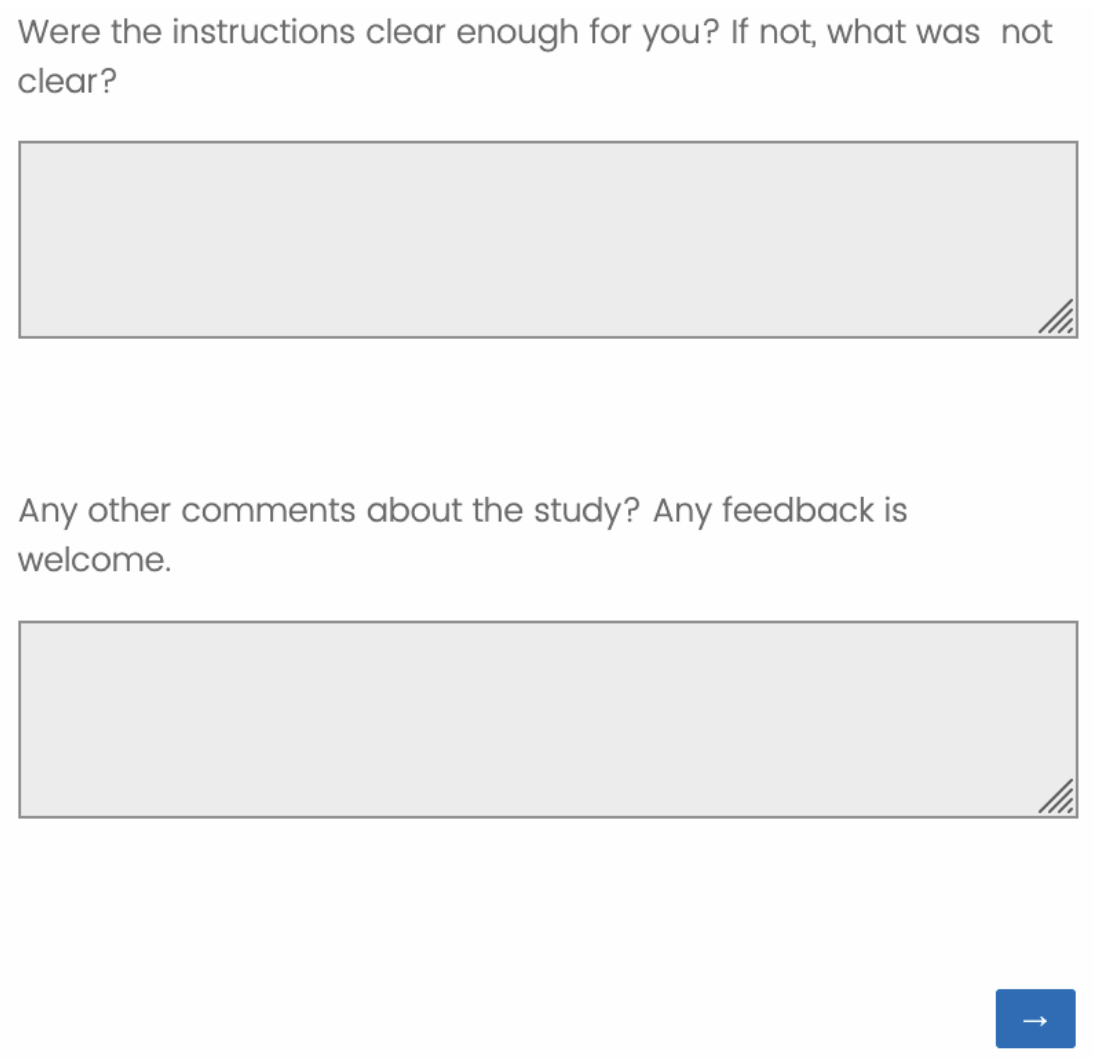


Figure 14: Final survey, page 6: clarity of instructions and other feedback.

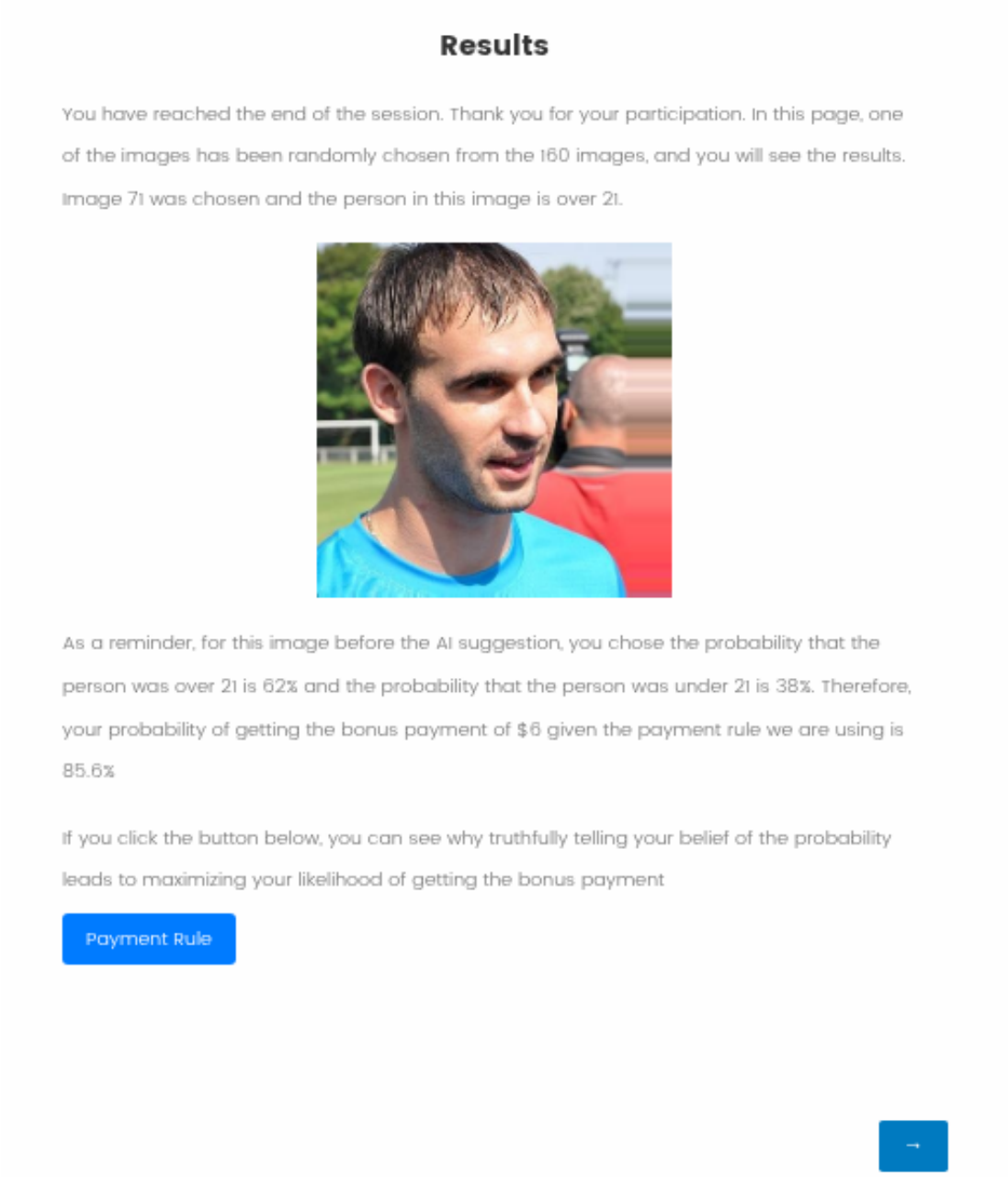


Figure 15: Results screen at the end of the session showing the selected image and the probability of receiving the $6 bonus.

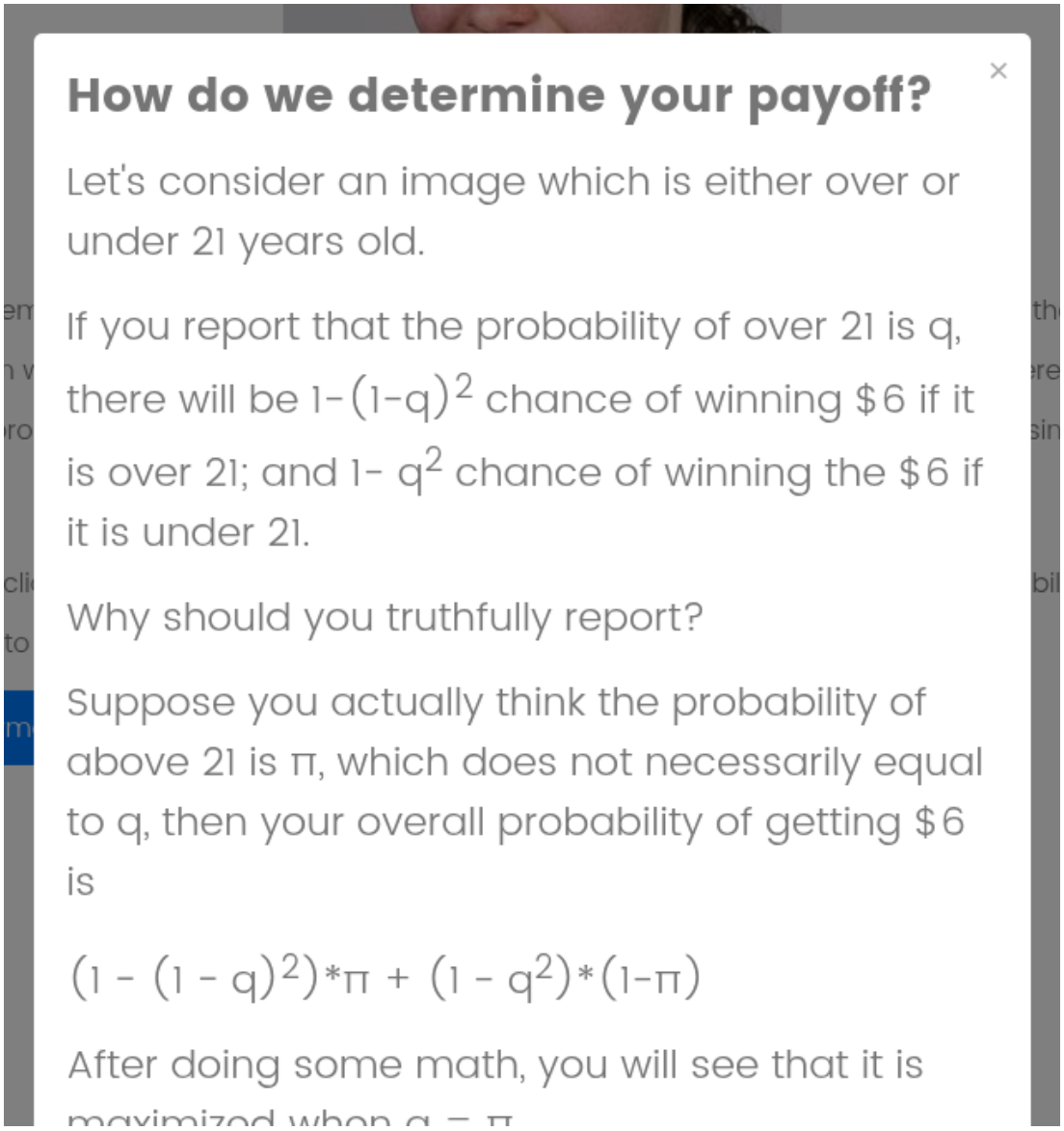


Figure 16: Payment-rule explanation available at the end of the experiment.