Codebook

Perceived trustworthiness of the algorithm/human decision-makers (Study 1, 2 and 3)

We employed the same measurement items as in Grimmelikhuijsen's (2022) experiments. The core dependent variables were *perceived trustworthiness of algorithms* and *perceived trustworthiness of human decision-makers*. All three were measured using a seven-point Likert-type scale.

0= totally disagree
1=
2=
3=
4=
5=
6=
7= totally agree

Treat

Accessibility

0=low accessibility (Study 1, 2 and 3)
1=high accessibility (Study 1, 2 and 3)

Explainability

0= low explainability (Study 1, 2 and 3)
1= high explainability (Study 1, 2 and 3)

Group

1= No accessibility, low explainability
2= No accessibility, high explainability
3= Accessibility, low explainability
4= Accessibility, high explainability

Study2

A binary indicator variable used to distinguish Study 2 from other studies.
0= Study 1 or Study 3
1= Study 2

Study3

A binary indicator variable used to distinguish Study 3 from other studies.
0= Study 1 or Study 2
1= Study 3

Order2
A binary indicator variable used to distinguish Sequence 2 from other sequences.
0= Seq 1 or Seq 3
1= Seq 2

Order3
A binary indicator variable used to distinguish Sequence 3 from other sequences.
0= Seq 1 or Seq 2
1= Seq 3

Q1
I feel that everyone who is willing and able could get access to the underlying code (the algorithm) of the computer system to check how it works.

Q2
The explanation provided about [why my visa was rejected/ why I've become a welfare fraud suspect/ why I needed to move out of the building] was sufficient to me.

Q3-Q6
These items measure participants' perceived trustworthiness of the algorithm.
For item wording and scale details, see the Measurement section in the main text.

Q7-Q10
These items measure participants' perceived trustworthiness of human decision-maker.
For item wording and scale details, see the Measurement section in the main text.

Gender
What is your gender?
0= Female
1= Male

Age
What is your age?

Education
What is your highest level of education?
1= Primary and below
2= Junior high school
3= high school
4= Specialized

5= Undergraduate
6= Master’s and above

Income

What is your average monthly income after tax?

1= Below ¥1,000
2= ¥1,001 - ¥2,000
3= ¥2,001 - ¥3,000
4= ¥3,001 - ¥4,000
5= ¥4,001 - ¥5,000
6= ¥5,001 - ¥7,500
7= ¥7,501 - ¥10,000
8= Over ¥10,000