Stealing Diamonds – an eye-tracking study of (dis)honesty Catrine Jacobsen, University of Copenhagen, Toke Fosgaard, University of Copenhagen & Chris Street, University of Huddersfield

37%

Research question

By using eye-tracking can we map the temporal processes of decisions to cheat?

Does the visual decision process differ between (immediate and hesitant) cheaters and honest people?

Background literature

Dishonesty

- Dishonest behavior is an everyday phenomenon done by most people [1].
- People balance desires to be self-serving and uphold moral standards creating moral dissonance and decision conflict [2, 3].

Eye-tracking

- Eye-tracking has been used to predict decisions and understand choice processes [4].
- People focus their gaze on the option they are also most likely to choose [5, 6].
- People ignore or pay little attention to information that conflicts with the decision to cheat [7].

Conclusion

- Extreme cheaters seems more conflicted or **uncertain**. They take longer, switch gaze more and spend more effort on the honest option.
- Immediate honest people and cheaters focus on the option they want and they are **not conflicted** with the choice.
- Hesitant cheaters seem highly conflicted and have ambiguous gaze patterns.
- Hesitant honest people seem tempted to **cheating a little** throughout the entire decision.
- Ambiguity and conflict may make hesitant decision makers more susceptible to decision interventions.

References

of Self-Concept vol. 45, no. 6, pp. 633–644, vol. 37, no. 3, pp. 330–349, [2] R. Barkan, S. Ayal, F. Gino, and D. Ariely, "The Pot Calling the Kettle Black: preference from fixations," Distancing Response to Ethical Dissonance," J. Exp. pp. 141–158, 2009. Psychol. Gen., 2012.

[3] L. L. Shu, F. Gino, and M. [1] N. Mazar, O. Amir, and H. Bazerman, "Dishonest deed, D. Ariely, "The Dishonesty clear conscience: when cheating of Honest People: A Theory leads to moral disengagement and motivated forgetting.,' Maintenance," J. Mark. Res., Personal. Soc. Psychol. Bull. 2011. [4] M. G. Glaholt, M. Wu, and E. M. Reingold, "Predicting PsychNology J., vol. 7, no. 2, [5] S. Shimojo, C. Simion, E.

Shimojo, and C. Scheier, "Gaze bias both reflects and influences preference.," Nat. Neurosci., vol. 6, no. 12, pp. 1317–1322, 2003. [6] J. L. Orquin and S. Mueller Loose, "Attention and choice: A review on eye movements in decision making," Acta Psychol. (Amst)., vol. 144, no. 1, pp. 190–206, Sep. 2013. [7] A. Pittarello, D. Motro, E. Rubaltelli, and P. Pluchino, "The relationship between attention allocation and cheating," Psychon. Bull. Rev., pp. 1–8, 2015.

Experimental design

Experimental set-up

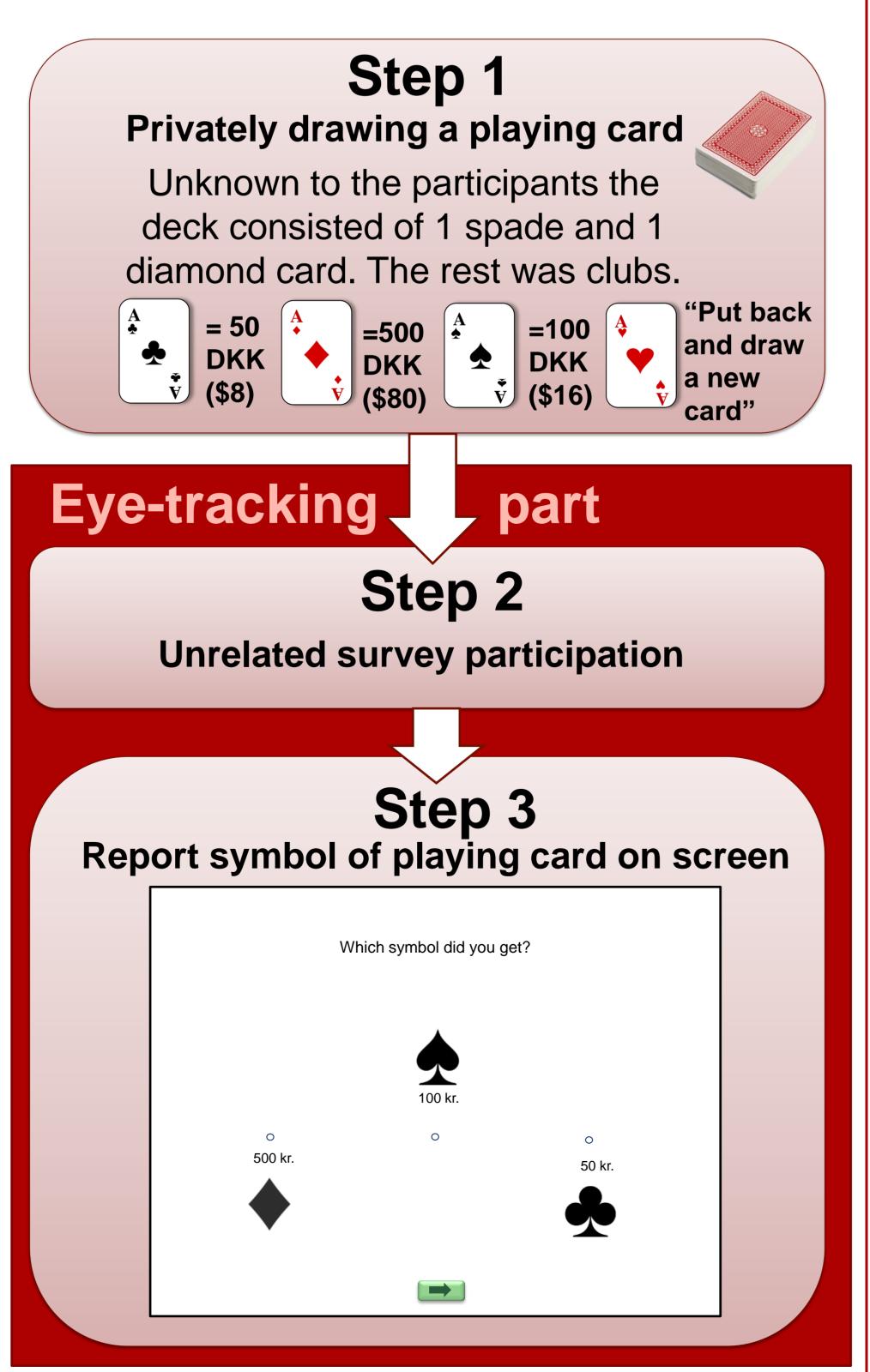
14% cheated maximum (n=25)

N=182

63% female

Age mean 24 (3.5 SD)

- We used payment method of a non-essential survey task to study decisions to cheat using eye-tracking.
- When recruited participants were informed that they would win gift-cards of either \$8, \$16, or \$ 80 value for participating.
- Participants could choose to cheat by reporting the wrong card.





3

