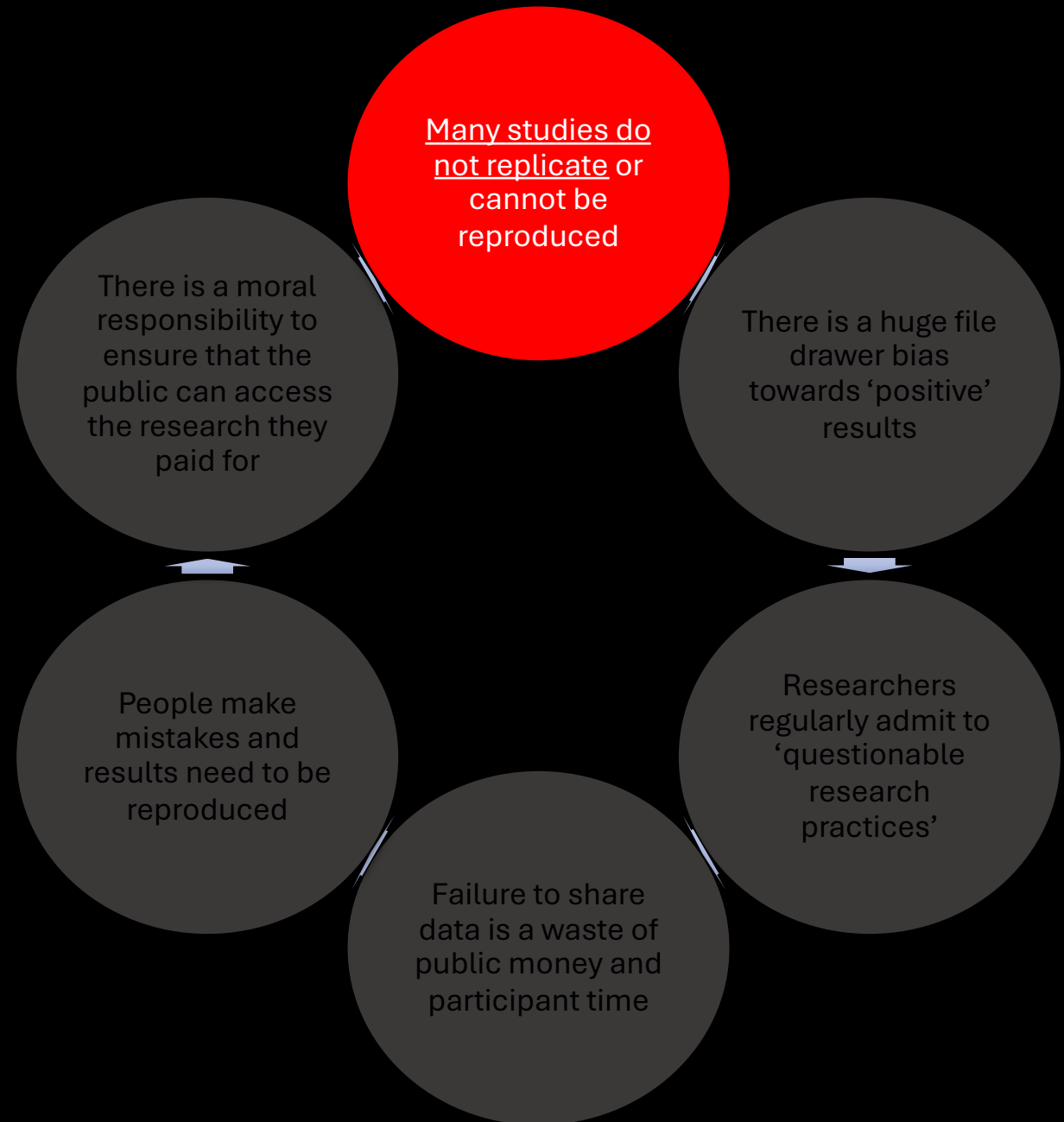


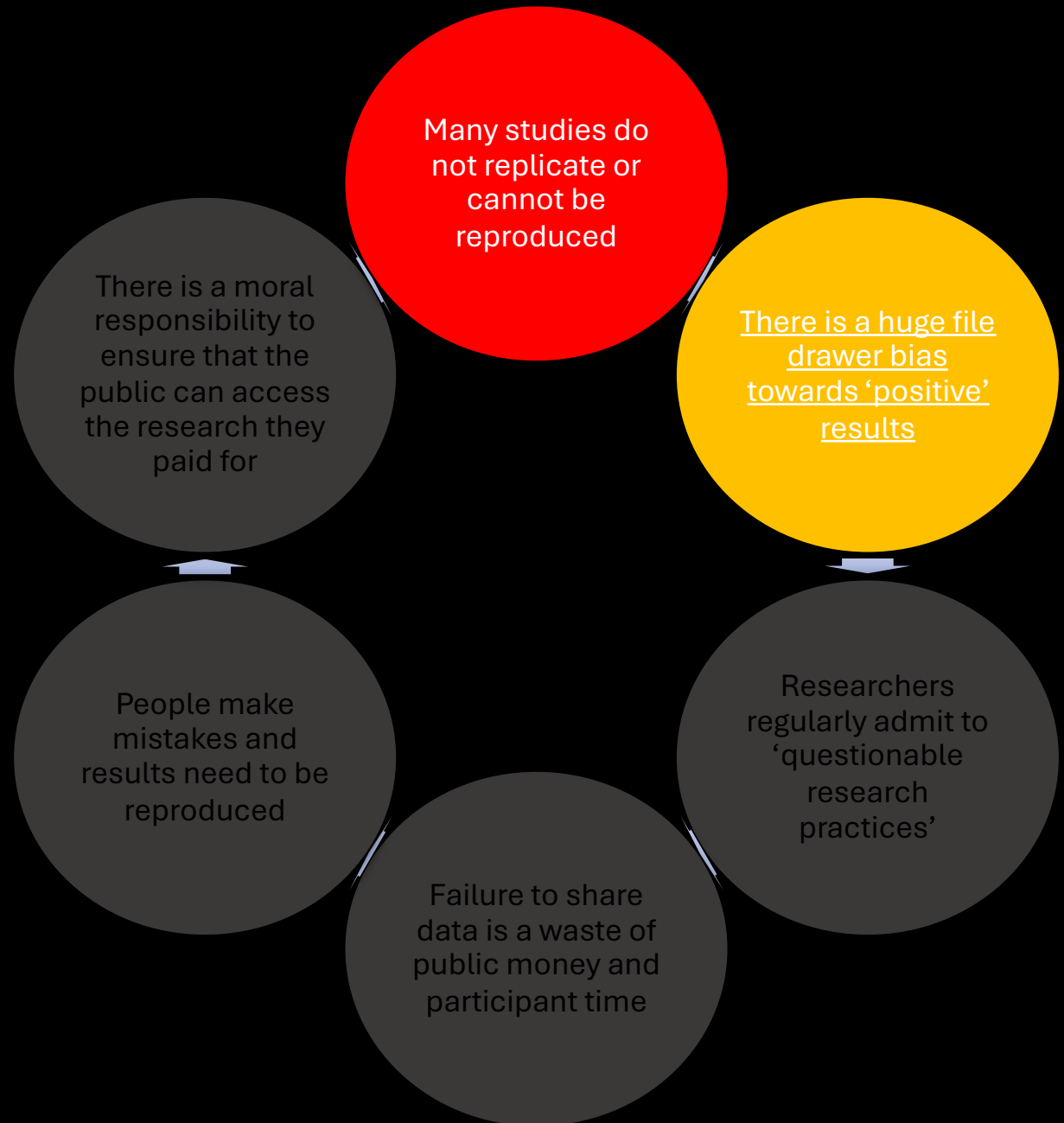


# Open Criminology

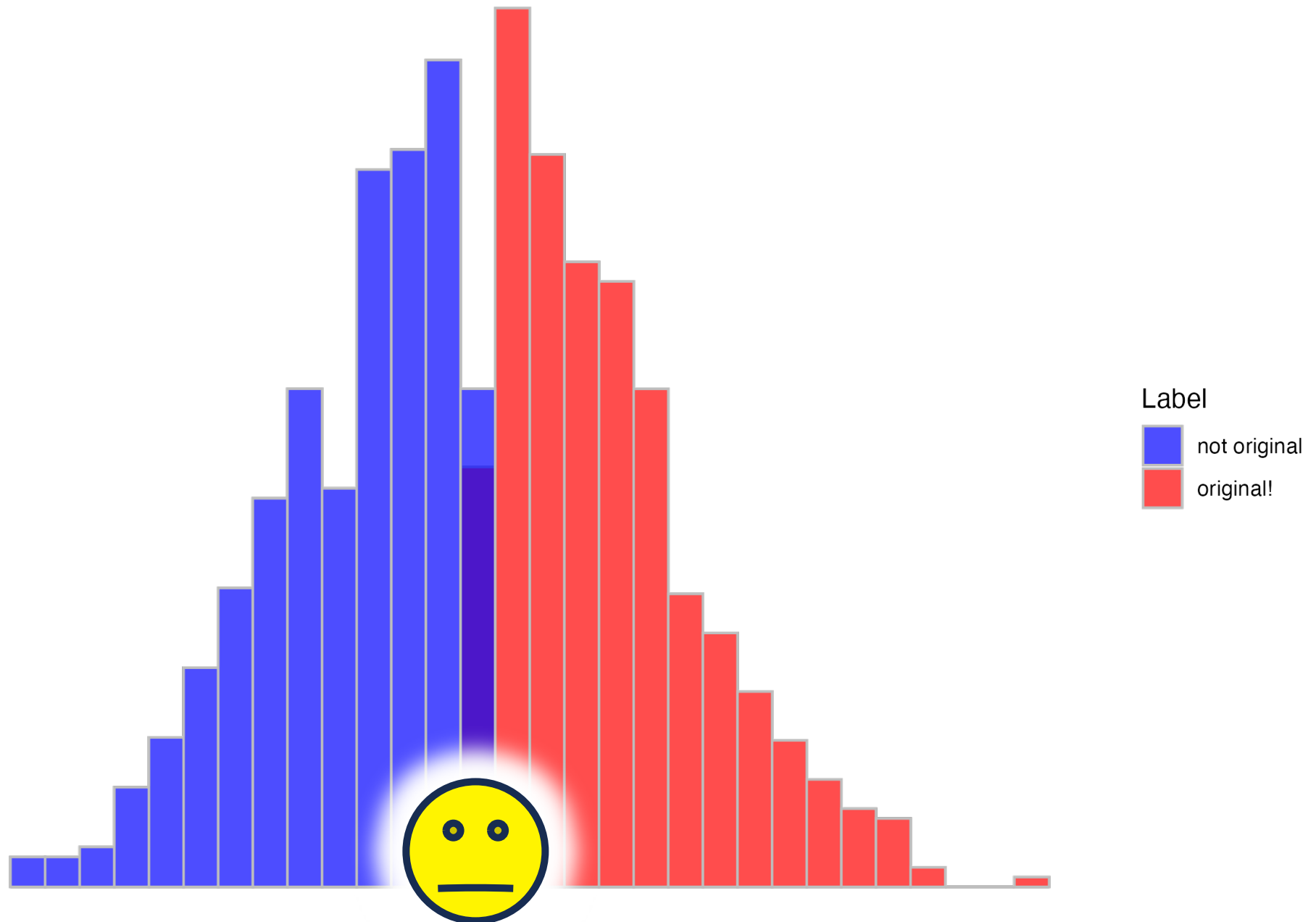
# Chaos in the brickyard



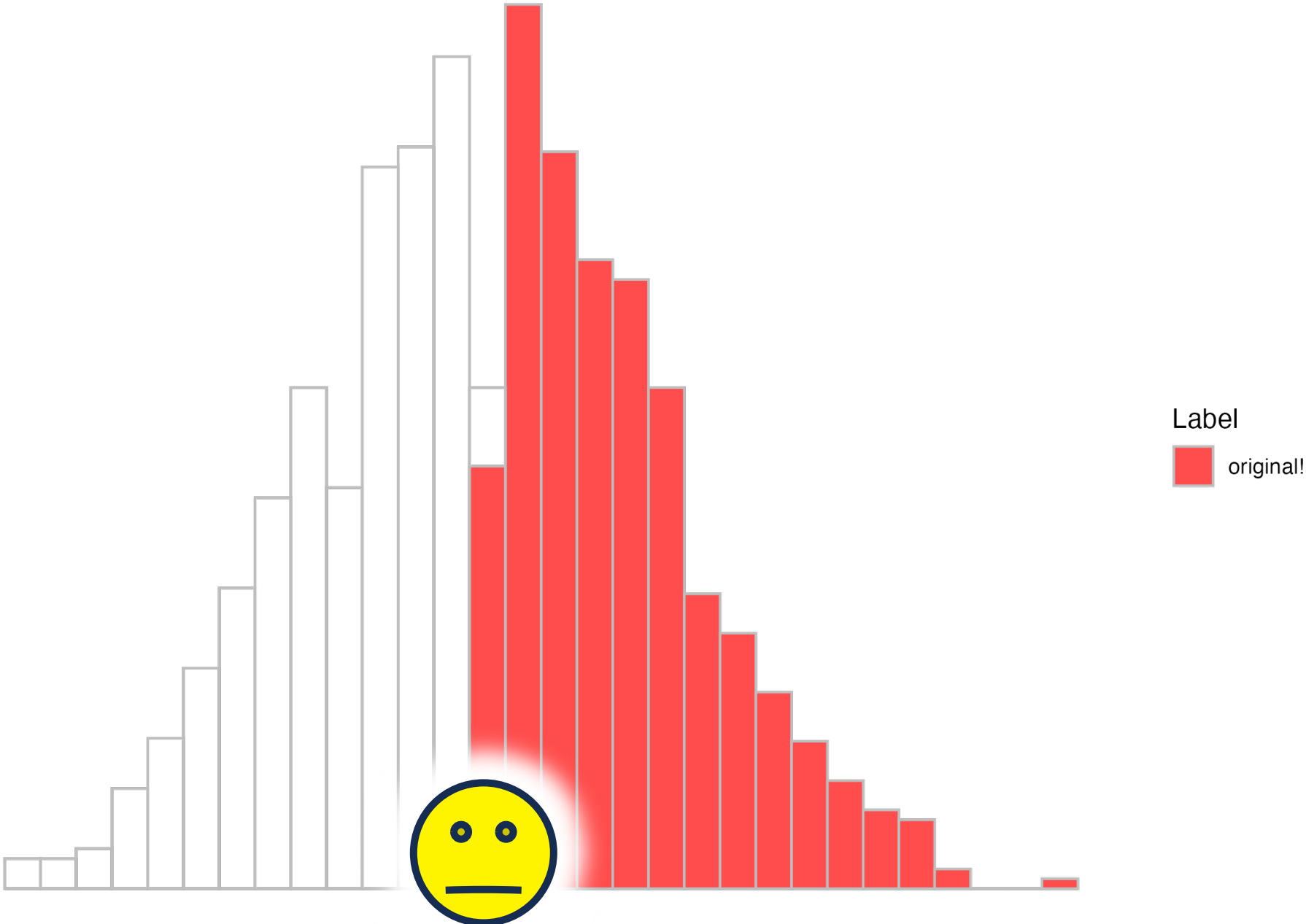
# Chaos in the brickyard



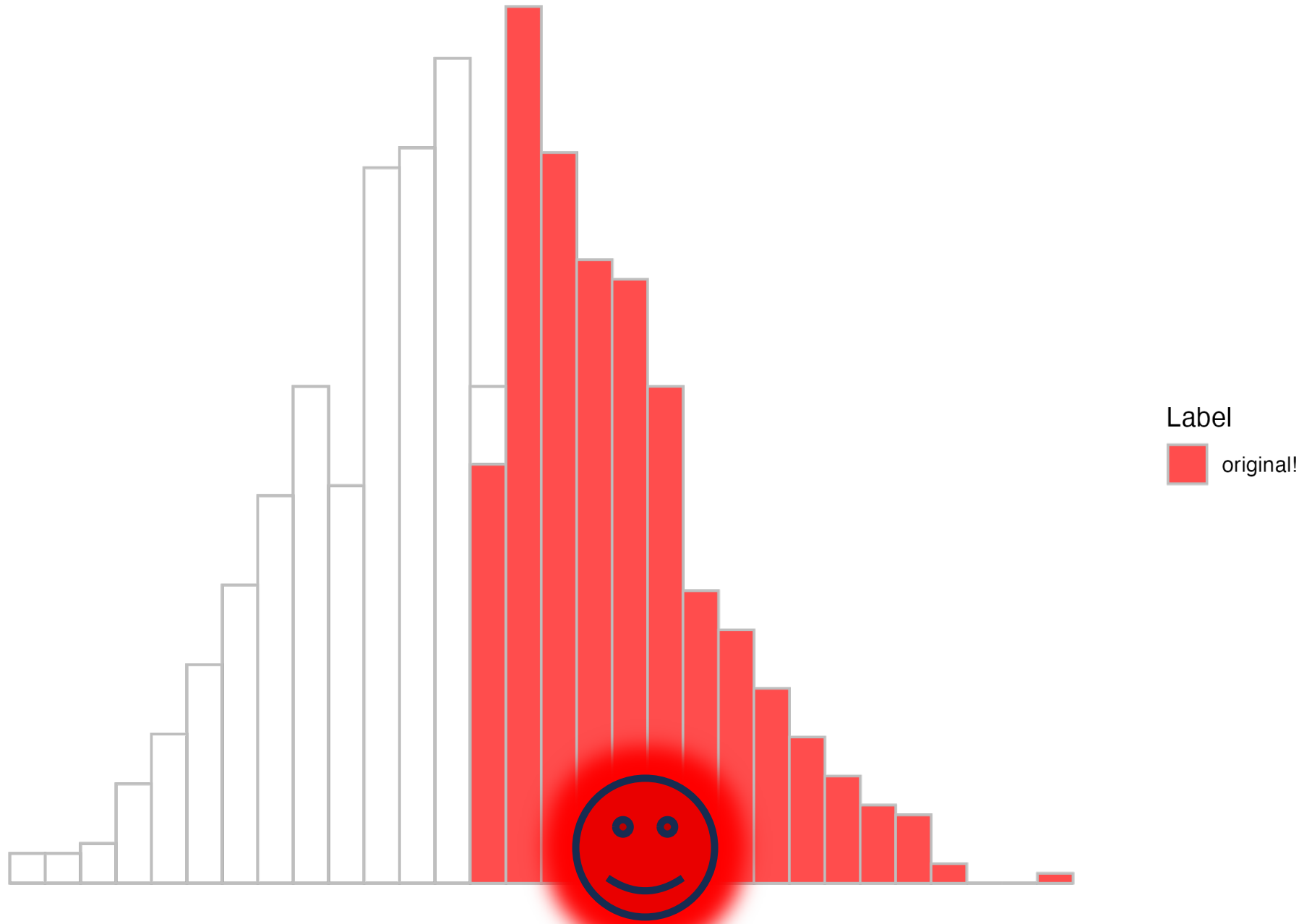
# True relationship between X and Y



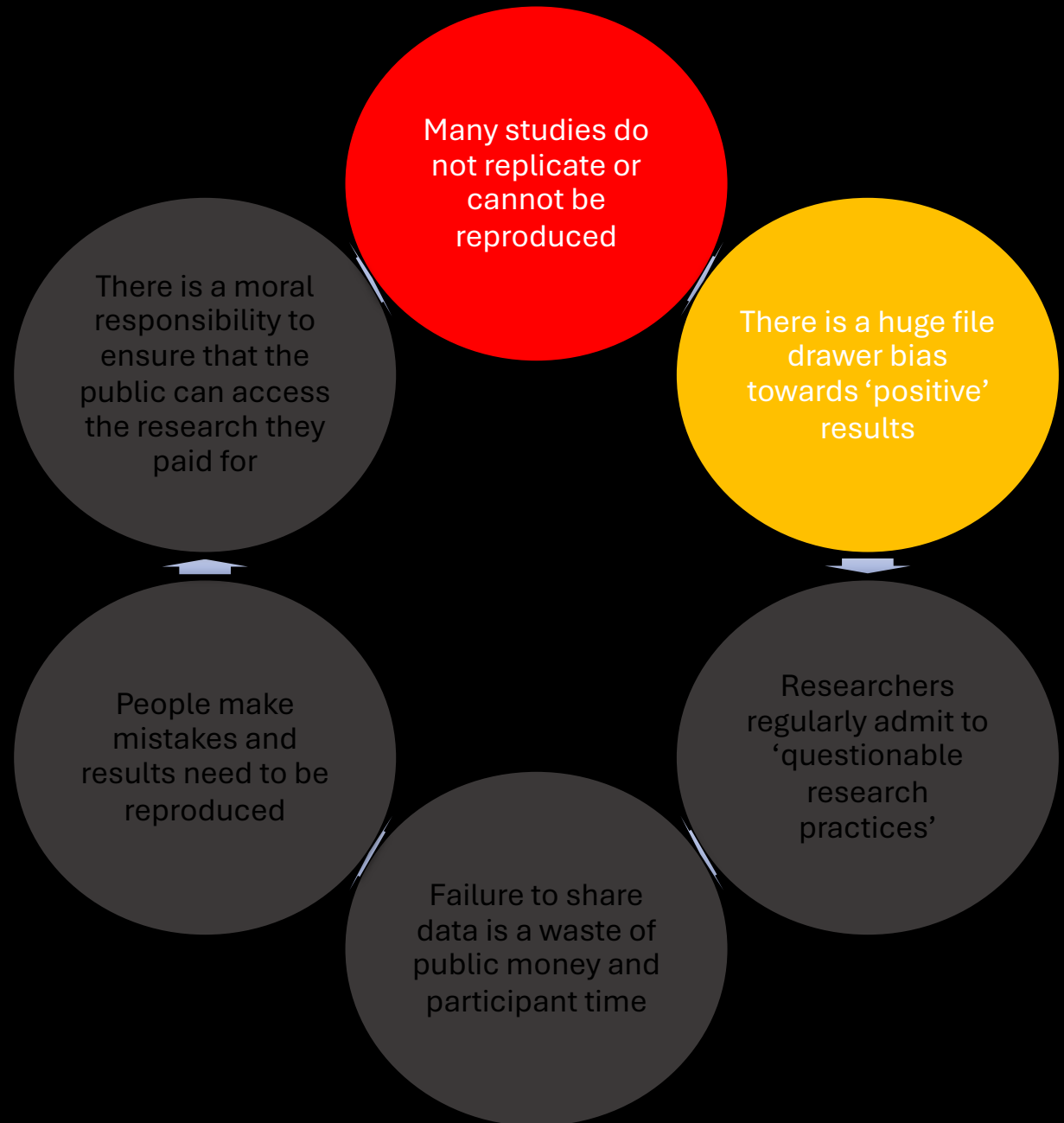
Published relationship between X and Y



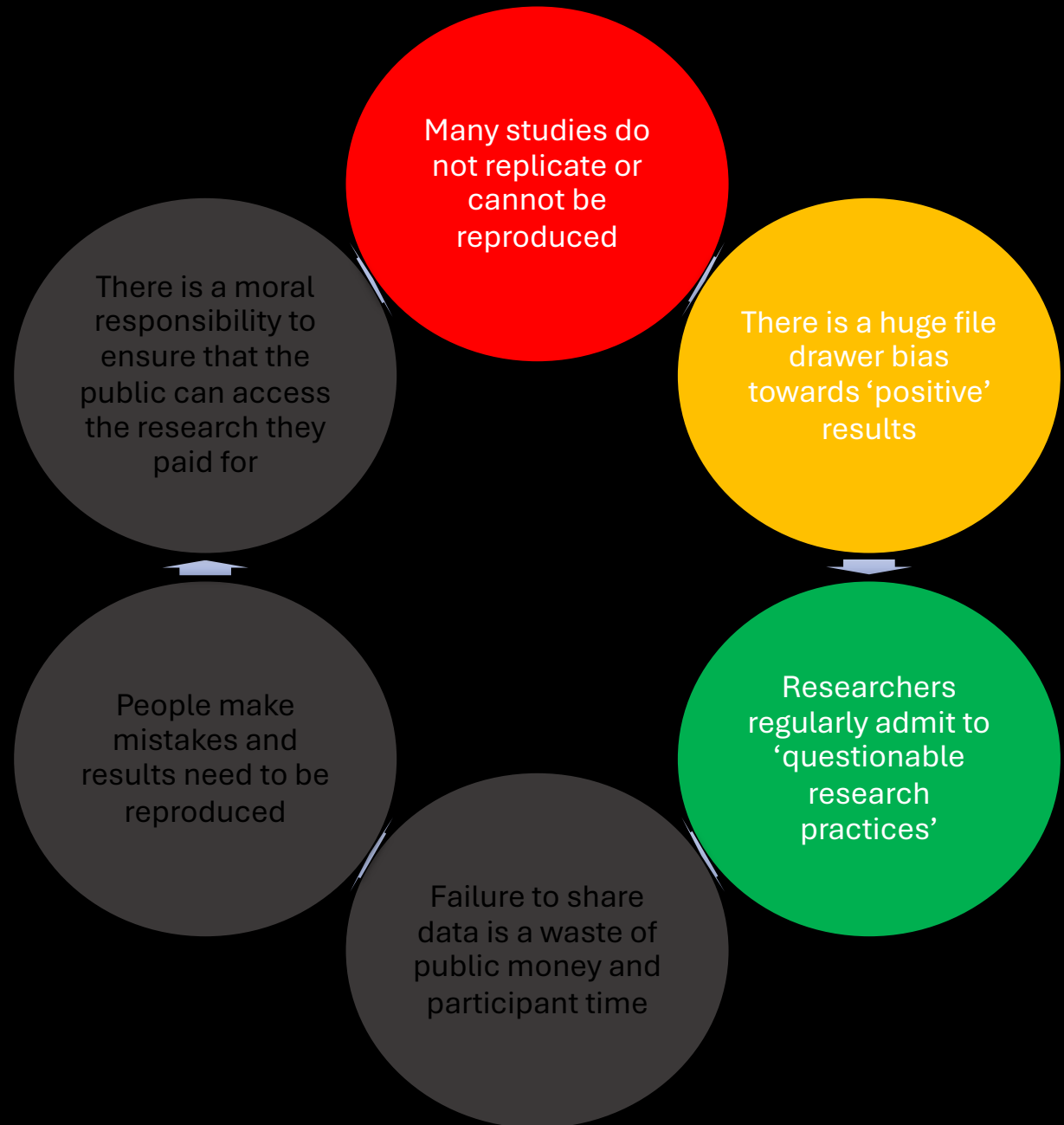
# Published relationship between X and Y



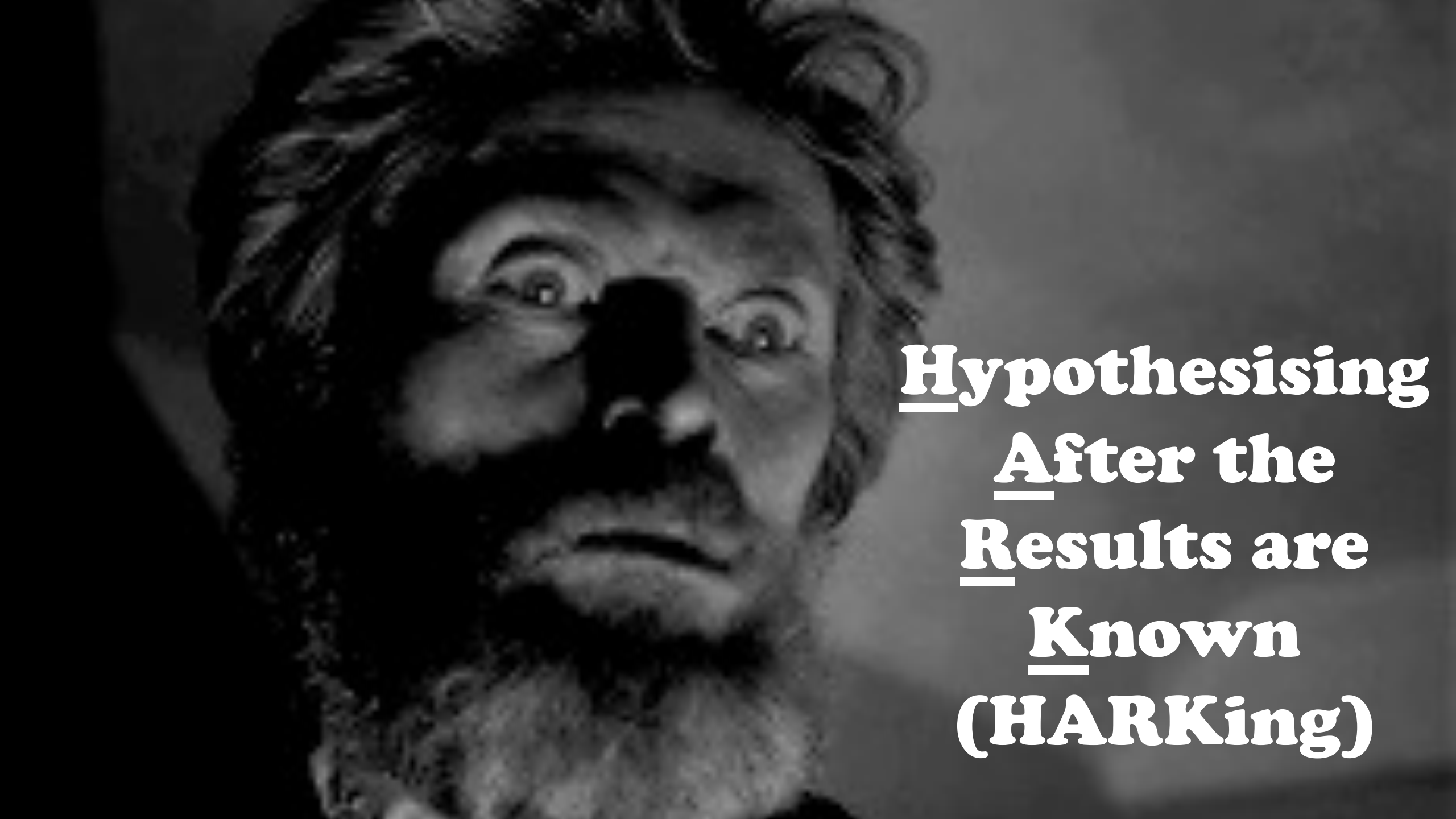
# Chaos in the brickyard



# Chaos in the brickyard

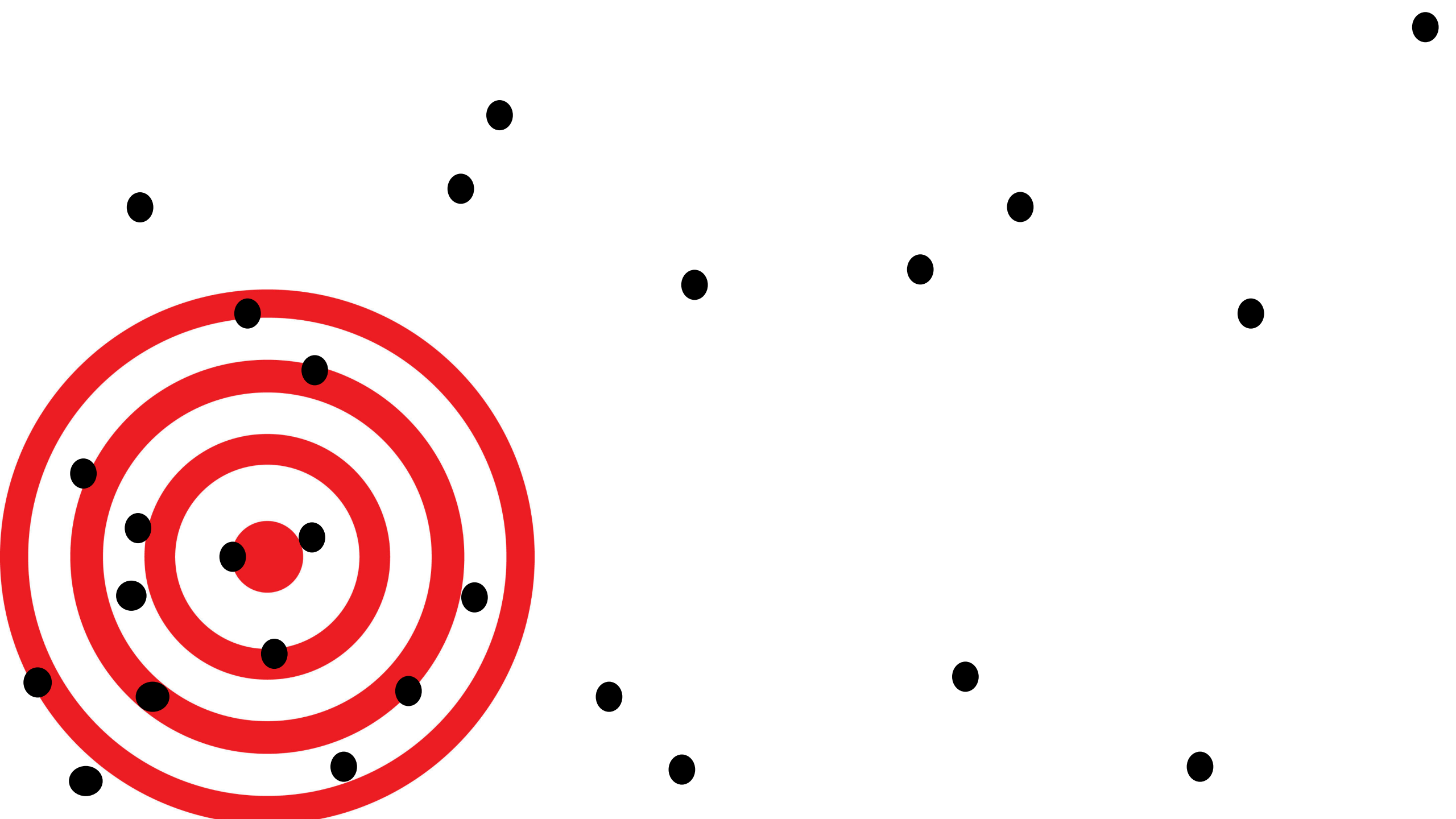


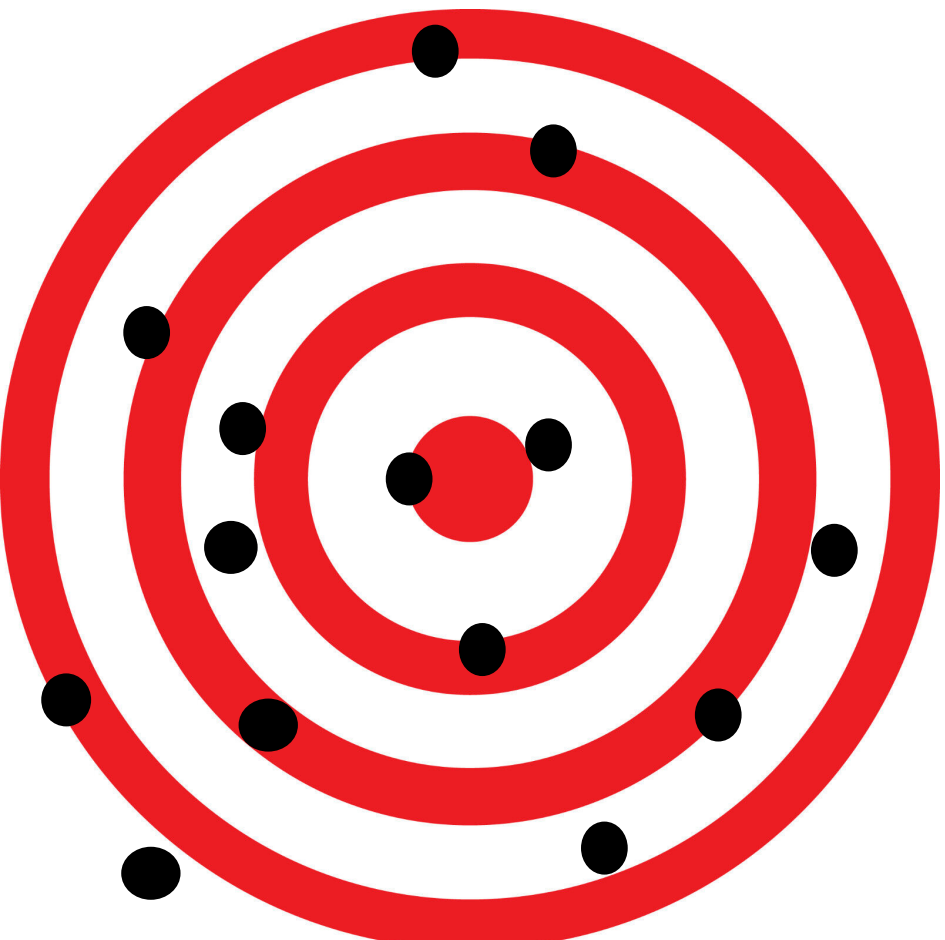


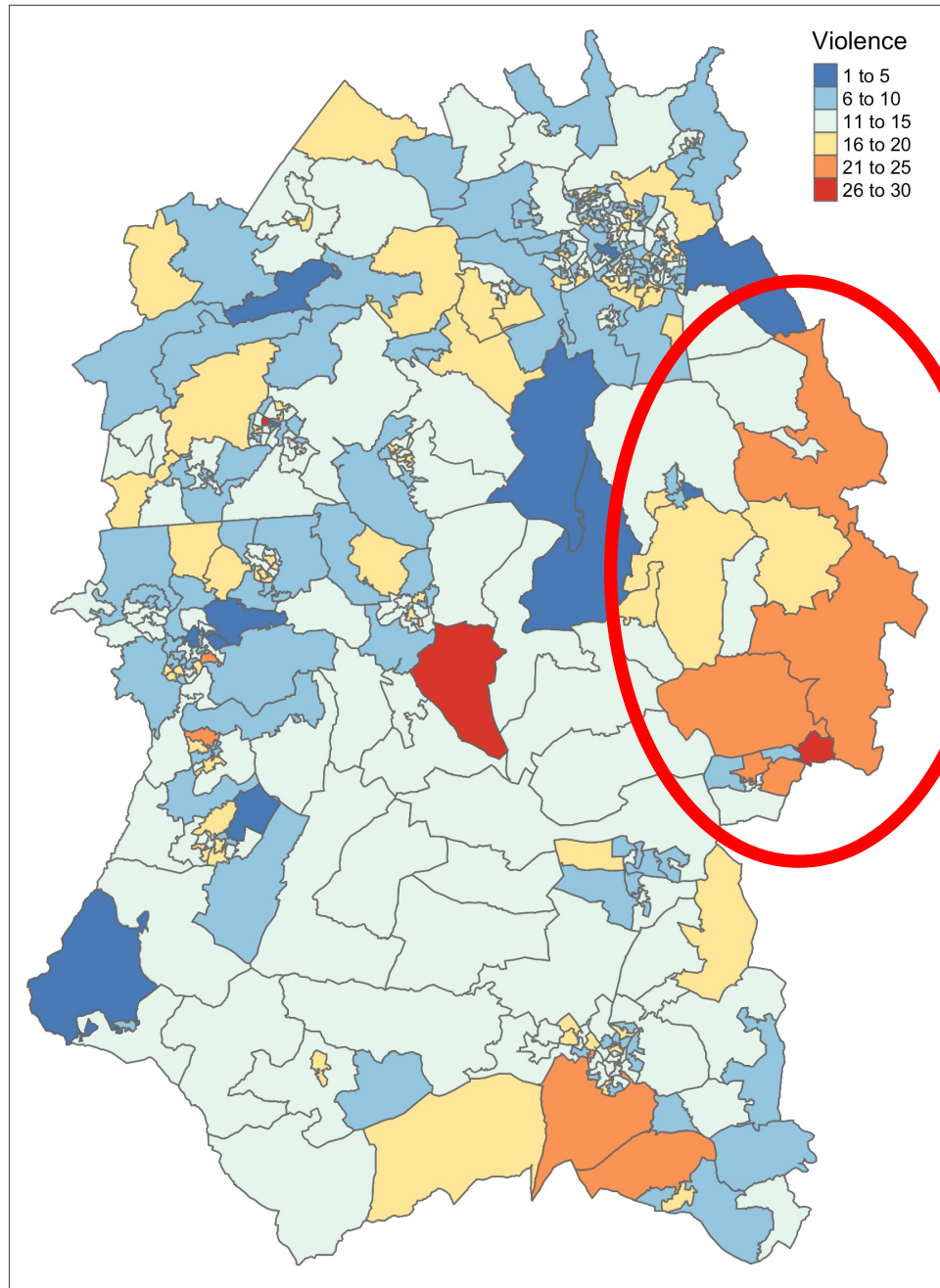


**Hypothesising  
After the  
Results are  
Known  
(HARKing)**

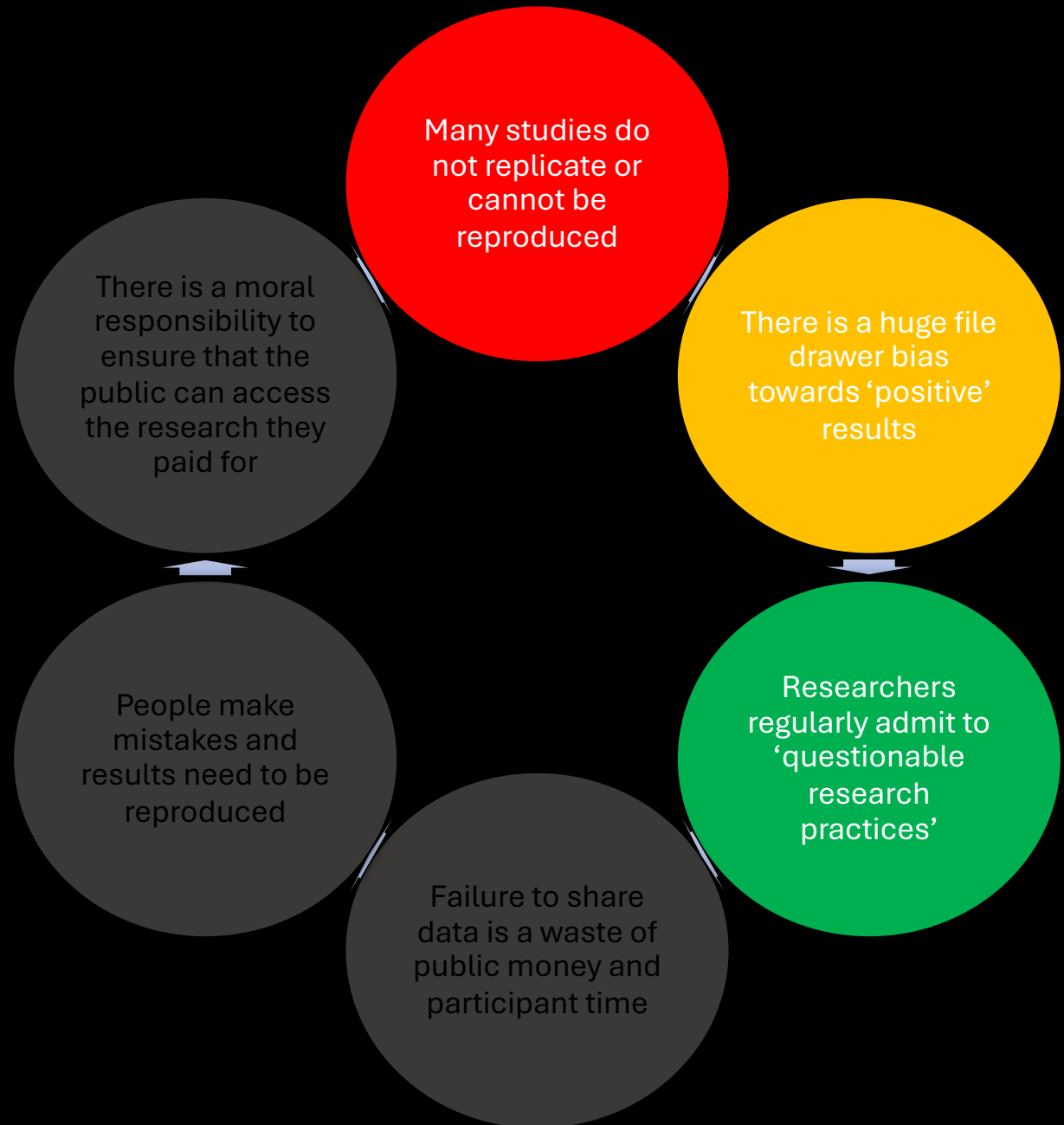




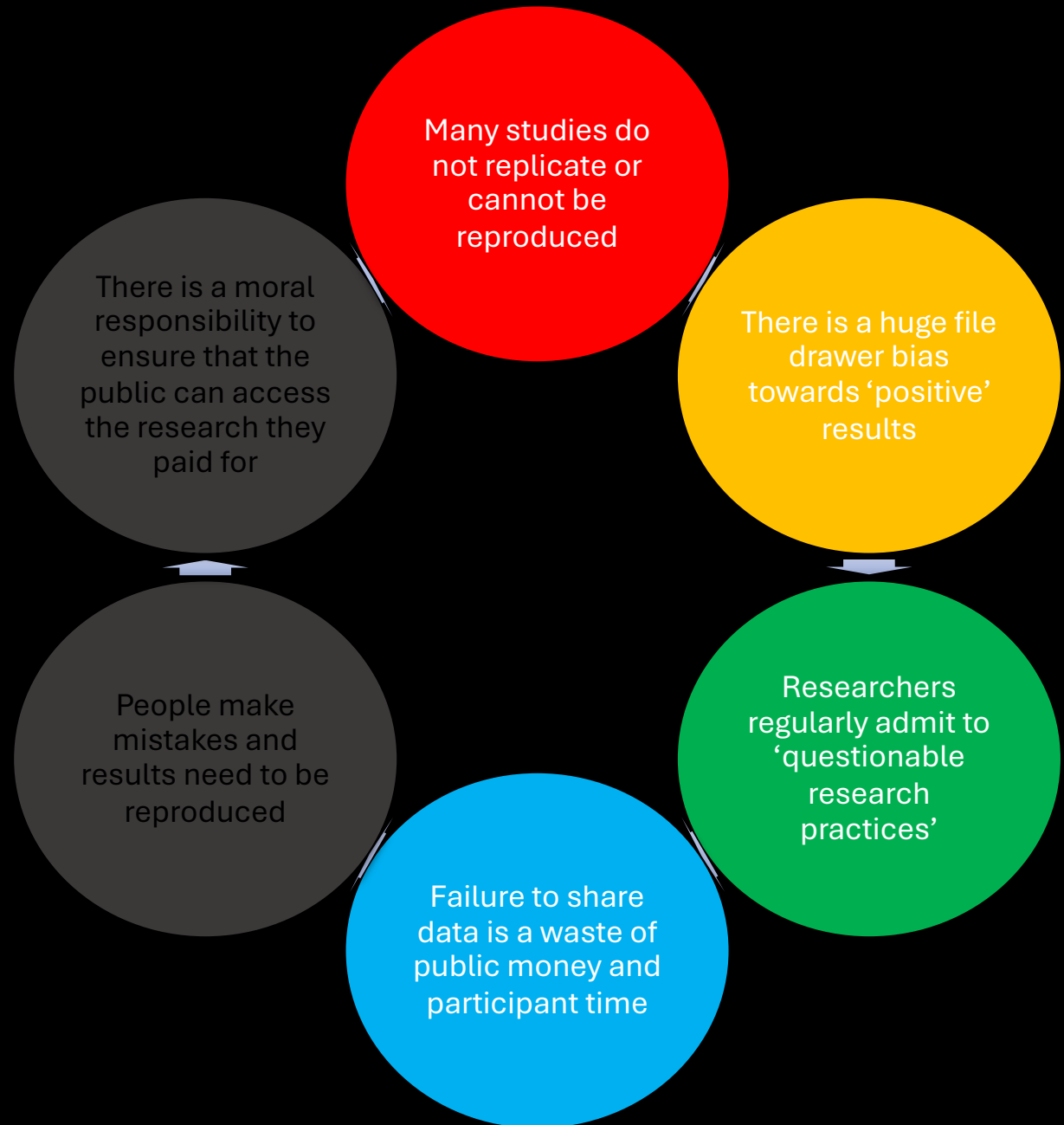




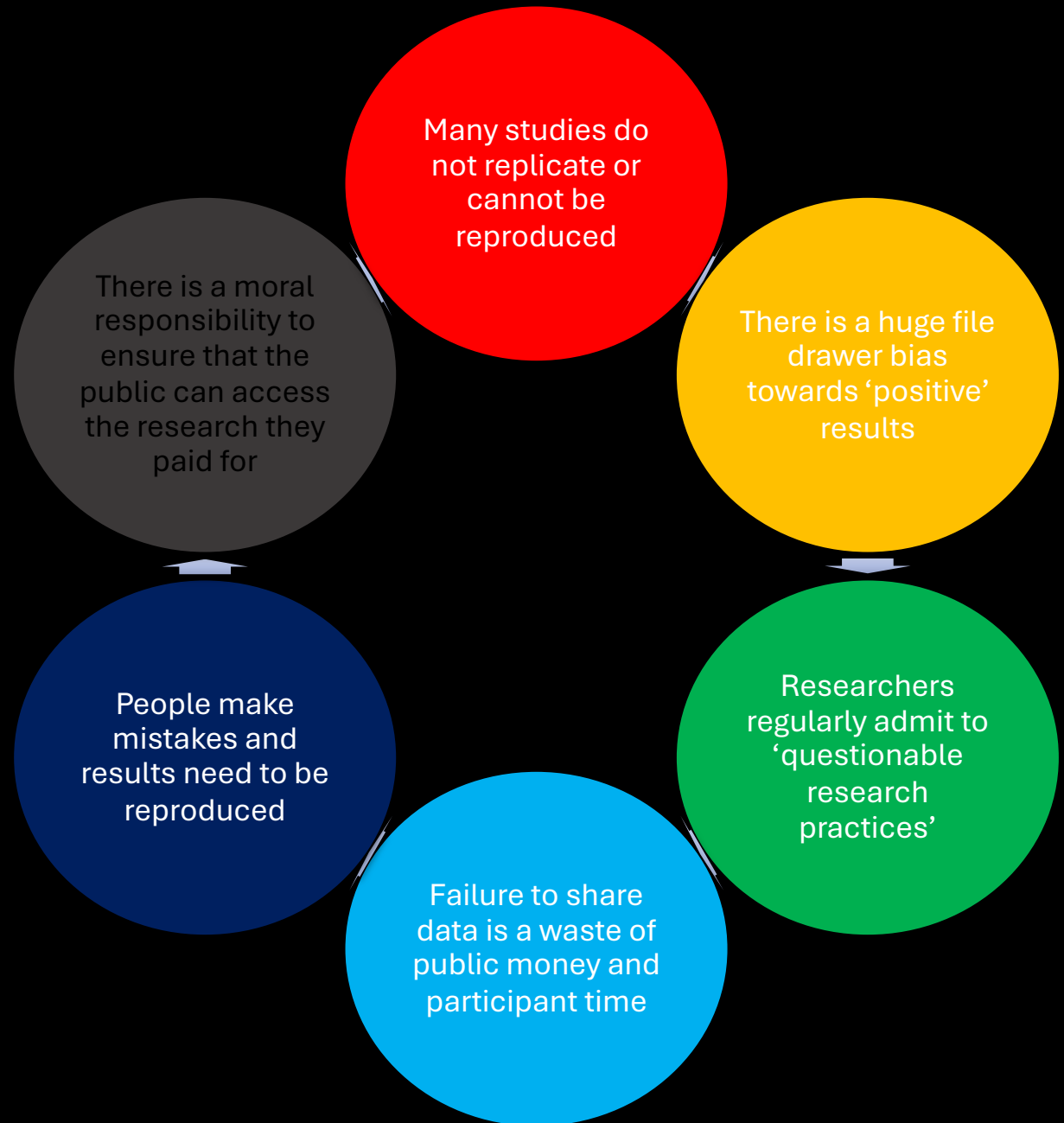
# Chaos in the brickyard



# Chaos in the brickyard

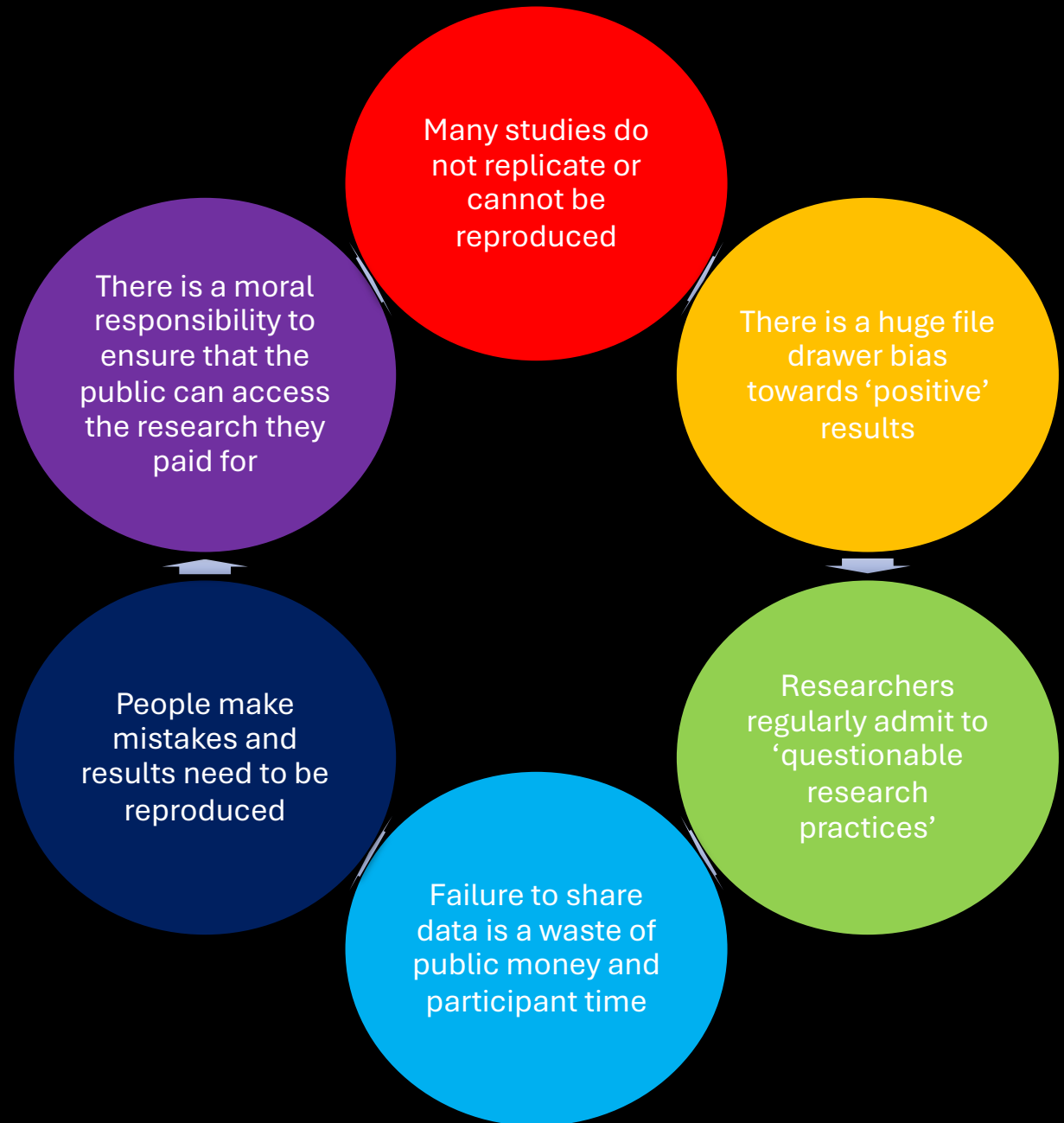


# Chaos in the brickyard





# Why open research?



# Why do we have a crisis of replicability?

Competition between institutions  
Incentives for volume over quality

Publish or perish  
Protectiveness  
Inertia

Convenience



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Open  
practice

Open  
reporting

Open  
access

Open  
data

What is open research?

Open  
practice

Open  
reporting

Open  
access

Open  
data

# What is open research?

Stating ideas and  
methods in advance

Committing to publish  
regardless of results

Open  
practice



Open  
reporting

Open  
access

Open  
data

# What is open research?

Using reproducible  
methods

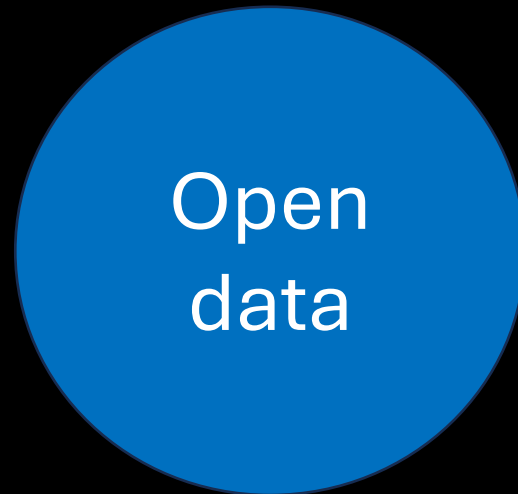
Publishing code

Following protocols and  
reporting deviations

Open  
practice

Open  
reporting

Open  
access



# What is open research?

Sharing data

Making data FAIR

Findable

Accessible

Interoperable

Reusable



Open  
practice

Open  
reporting

Open  
access

Open  
data

# What is open research?

Publishing research for free  
in an open repository

# Open research practice

## **Conception**

Publish your methods and hypotheses in a protocol, pre-registration or a registered report

# Open research practice

## Conception

Publish your methods and hypotheses in a protocol, pre-registration or a registered report

## Data

Make data as open as possible and as closed as necessary using FAIR principles

# Open research practice

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Publish your methods and hypotheses in a protocol, pre-registration or a registered report

## Data

Make data as open as possible and as closed as necessary using FAIR principles

## Analysis

Make analysis reproducible and open

# Open research practice

## Conception

Publish your methods and hypotheses in a protocol, pre-registration or a registered report

## Data

Make data as open as possible and as closed as necessary using FAIR principles

## Analysis

Make analysis reproducible and open

## Disseminate

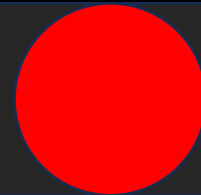
Publish pre-prints in an open repository

## PROS

- More rigour
- Less file-drawer bias
- Less downstream work
- Better evidence base
- Socially just
- Inevitable

## CONS

- More up-front work
- Fear of transparency
- Less quality control
- Inertia

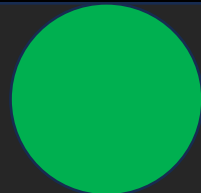


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# Openness is coming for us

## Where is Open Science in Horizon Europe?



Author: os4os team



## Committees

[UK Parliament](#) > [Business](#) > [Committees](#) > [Science, Innovation and Technology Committee](#) > News Article

## MPs call for research sector reforms to address concerns with reproducibility of science

10 May 2023



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[Home](#) > [Who we are](#) > [About MRC](#) > [MRC policies, guidance and data](#) > [Good research practice policies and guidance](#) > [Open research data: clinical trials and public health interventions](#)

## Open research data: clinical trials and public health interventions

MRC strongly promotes the principles of open research data and aims to make the research process and findings as open, understandable and reproducible as possible. Sharing data can enhance the use of existing data, avoid duplication of research effort and stimulate new discoveries.

The MRC policy on [open research data from clinical trials and public health interventions](#) applies to the following types of MRC-funded study:

- clinical trials and clinical intervention studies: studies that prospectively assign human participants to one or more health-related interventions to evaluate the



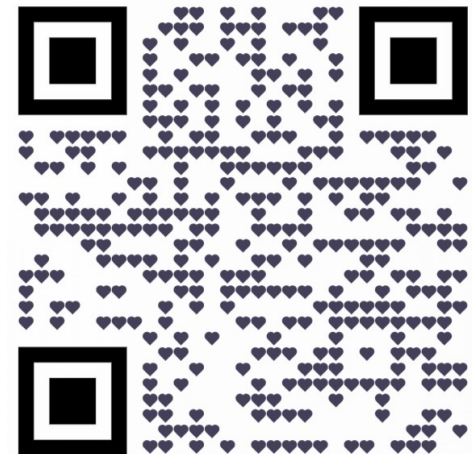


[Home](#) > [Manage your award](#) > [Publishing your research findings](#) > [Submit datasets if you have funding from ESRC](#)

# Publishing your research findings

## Contents

- [Overview](#)
- [Making your research article open access](#)
- [Making your monograph, book chapter or edited collection open access](#)
- [Making your research data open](#)
- [Acknowledging your funding](#)
- [Open access funding and reporting](#)
- [Submit datasets if you have funding from ESRC](#)



# Submit datasets if you have funding from ESRC

If you've received funding for your project from the Economic and Social Research Council (ESRC) you must [deposit all data from the project](#) with the UK Data Service or another suitable data repository.

If you deposit in a repository which is not the UK Data Service, you still need to [create a metadata record in UK Data Service ReShare](#) and submit metadata relating to the grant and data collection through this service.

## What happens if you do not deposit your data

You will not be able to submit new funding applications until you have:

- deposited your data
- told UK Data Service where you've published it

## Get help with submitting your datasets

Contact the UK Data Service if you have problems depositing your data.

You can:

- [fill in the help form](#)
- email [reshare@ukdataservice.ac.uk](mailto:reshare@ukdataservice.ac.uk)
- telephone 01206 872001

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- telephone 01206 872001

Last updated: 6 October 2023

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[Open access funding and reporting](#)

*Annual Review of Criminology*

## Replication in Criminology and the Social Sciences

William Alex Pridemore,<sup>1</sup> Matthew C. Makel,<sup>2</sup>  
and Jonathan A. Plucker<sup>3</sup>

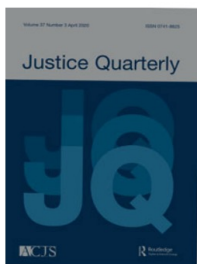
<sup>1</sup>School of Criminal Justice, University at Albany, State University of New York, Albany,  
New York 12222, USA; email: pridemore@albany.edu

<sup>2</sup>Talent Identification Program, Duke University, Durham, North Carolina 27701, USA

<sup>3</sup>School of Education, Johns Hopkins University, Baltimore, Maryland 21209, USA



Justice Quarterly



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### How *Powerful* is the Evidence in Criminology? On Whether We Should Fear a Coming Crisis of Confidence

J. C. Barnes, Michael F. TenEyck, Travis C. Pratt & Francis T. Cullen

To cite this article: J. C. Barnes, Michael F. TenEyck, Travis C. Pratt & Francis T. Cullen (2020)  
How *Powerful* is the Evidence in Criminology? On Whether We Should Fear a Coming Crisis of  
Confidence, *Justice Quarterly*, 37:3, 383-409, DOI: [10.1080/07418825.2018.1495252](https://doi.org/10.1080/07418825.2018.1495252)

To link to this article: <https://doi.org/10.1080/07418825.2018.1495252>

Journal of Quantitative Criminology (2023) 39:21–51  
<https://doi.org/10.1007/s10940-021-09525-6>

ORIGINAL PAPER



### Questionable Research Practices and Open Science in Quantitative Criminology

Jason M. Chin<sup>1,2</sup> · Justin T. Pickett<sup>3</sup> · Simine Vazire<sup>4</sup> · Alex O. Holcombe<sup>5</sup>

Accepted: 21 July 2021 / Published online: 19 August 2021

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#### Abstract

**Objectives** Questionable research practices (QRPs) lead to incorrect research results and contribute to irreproducibility in science. Researchers and institutions have proposed open science practices (OSPs) to improve the detectability of QRPs and the credibility of science. We examine the prevalence of QRPs and OSPs in criminology, and researchers' opinions of those practices.

**Methods** We administered an anonymous survey to authors of articles published in criminology journals. Respondents self-reported their own use of 10 QRPs and 5 OSPs. They also estimated the prevalence of use by others, and reported their attitudes toward the practices.

A scenic view of a mountain range with green hills and a cloudy sky at sunset or sunrise. The text "Where next?" is overlaid in the center.

**Where next?**



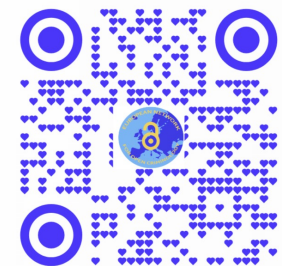
**Where next?**

**Imagine  
openness  
for your  
work**



**Where next?**

**Find the  
open  
criminology  
community**





**Where next?**

**Read up**





**Where next?**

**Try it out!**



THANKS!

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@iainbrennan

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