

**Can you prove it?**

**An introduction to plural science for interested systems**



# Content Warning

- **Bad Science**
  - Medicalizing
  - Fake Claiming
  - Abuse

# Introduction

## **Step 0: Preparations**

**50% of the time, statistics is  
important all of the time**

## Theory of Science

- Find
- Read
- Contextualize



**Psychology**

## **Selfcare**

- Science is dehumanizing
- Science can be overwhelming



## **Step 2: The field of plural science**

## Non-clinical plurality in science



## The fault lines

### Etiology

- Fantasy: Itratiogenic / Socio-cognitive Model
- Trauma: Biologocial / Structural Dissocation Model

## The celebrities

- Simone Reinders
- Richard Kluft
- Onno van der Hart
- Philip Bromberg
- Janina Fisher
- Bessel van der Kolk
- Pierre Janet



## The history

- Oldest Account 18xx
- Freud: Trauma is always subconscious
- 1970s: Sybil
- 1980s: Satanic Panic
- 1990s: False Memory
- 2000s: Fantasy Model vs. Trauma Model
- 2010s: MRI Scans + Neurodiversity

## Important keywords

- Clinical features (28%)
- Assessment (17%)
- Etiology (17%)
- Comorbidity (17%)
- Cognitive Features (8%)
- Treatment (7%)

## **Step 3: Reading research**

## Where to find papers?

- Google Scholar
- ArchiveX
- Friends and researchers



## The anatomy of a paper

- Keywords
- Abstract
- Methodology
- Results



**How to read a paper?**

**Quality Markers: Is it easy to read?**

**Quality Markers: Is it Peer Review?**

## Quality Markers: What is the Methodology?

- Type of data
- Type of analysis



## Quality Markers: H-index

- The h-index is an author-level metric that attempts to measure both the productivity and citation impact of the publications of a scientist or scholar.

## Proper sourcing

- [ ] Every claim is sourced
- [ ] Every referency is cited at least once

## Step 4: Examples



# **Fact or Factitious? A Psychobiological Study of Authentic and Simulated Dissociative Identity States**

A. A. T. Simone Reinders, Antoon T. M Willemssen, Herry P. J. Vos, Johan A. den Boer, Ellert R. S. Nijenhuis, 2012

*Chose quote*

# Dissociative Identity Disorder

## Review of Research From 2011 to 2021

Guy A. Boysen, 2024

*Choose quote*

# The Persistence of Folly: A Critical Examination of Dissociative Identity Disorder. Part I. The Excesses of an Improbable Concept

August Piper, Harold Mersky, 2004

In the end, positing scores, hundreds, and even thousands of alters defies common sense and reminds one of Tertullian's claim, Credo quia absurdum est ("I believe that which is impossible," 141).

*Argument from incredulity*

## **It's just a body: A community-based participatory exploration of the experiences and health care needs for transgender plural people**

Susan C. Turell, Christopher Wolf-Gould, Sana Flynn, Silver Mckie, Matthew A. Adan, The Redwoods, 2023

Academics have advocated for community-based participatory research as an important innovation to research with those in the transgender and gender non-conforming (TGNC) community (dickey, Hendricks & Bockting, 2016) Fine and Torre (2019) concluded that critical participatory action research with LGBTQIA+ youth “unveils the hidden” (p. 443) in ways that traditional research cannot.

# Conclusion

