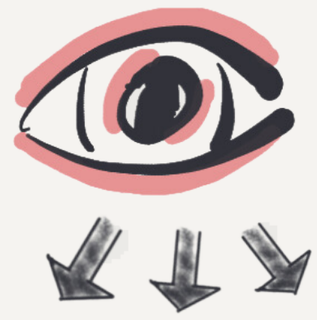
Digiscover!

Know what you don't know

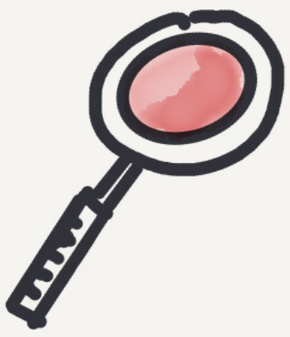
DIGISCOVERY
DIGITAL SCHOOL FOUNDATION

- Hyper complex
- Hyper turbulent
- Hyper connected

- Information overload
- Fake news + misinformation
- Filter bubbles + echo chambers
- Distraction
- Privacy + data protection

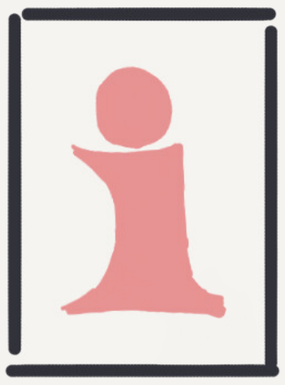


<u>Mindfulness</u>
supported by valid information



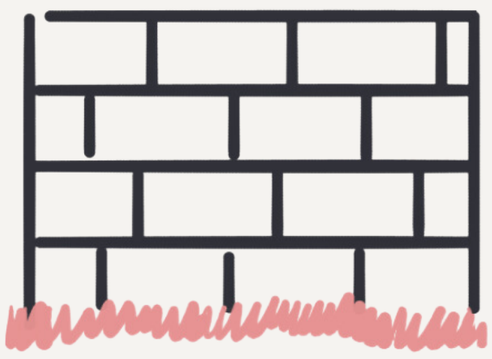
<u>Research</u>
- What do we know?
- What do we not know?
- What do we think?
- Why?

<u>Objective information defeats:</u>
- Fraud
- Propaganda + PR
- False science
- Missing history
- Ignorance
- Coercive power
- Lies
- Manufactured consent
- Greed
- Secrecy

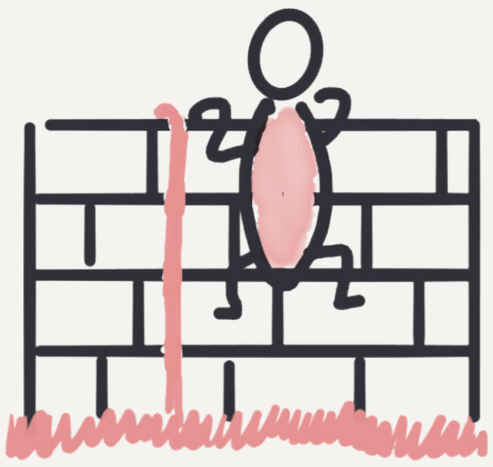


<u>Information sources</u>
- <u>Open Source Intelligence</u> (OSINT, e.g. newspaper articles, research studies, social media)
- <u>Human Intelligence</u> (HUMINT, e.g. interviews, conversations, observations)
- <u>Technical Information</u> (e.g. meta data)

<u>Information quality</u>
- Accurate
- Objective
- Usable
- Relevant
- Current
- Credible



<u>Cognitive bias</u>
- Perceptual biases
- Biases in evaluating evidence
- Biases in estimating probabilities
- Biases in perceiving causality



<u>Critical thinking</u>
- Clarifies goals
- Examines assumptions
- Discerns hidden values
- Evaluates evidence
- Assesses inferences/conclusions

<u>Steps in critical thinking</u>

1) Identify problem

2) Gather relevant information

3) Recognize unstated assumptions

4) Interpret data

5) Recognize relationships

6) Draw out and test conclusions

7) Reconstruct own patterns of beliefs

8) Arrive at solid assessment

<u>Typical OSINT sources</u>
- Scientific publications
- Trade publications
- Official information
- Commercial information
- Free media
- Social media

<u>Typical formats</u>
- Text
- Statistics
- Audio
- Video
- Images

<u>OPVL analysis for documents</u>
- ➡ <u>Origin:</u> e.g. primary vs. secondary sources
- ➡ <u>Purpose:</u> e.g. propaganda, scientific paper
- ➡ <u>Value:</u> e.g. official / public / personal opinion
- ➡ <u>Limitations:</u> e.g. subjectivity, intentions, data set

<u>Balance</u>

- Reliability
- Accuracy
- Benefit
- Credibility

- Cost
- Effort