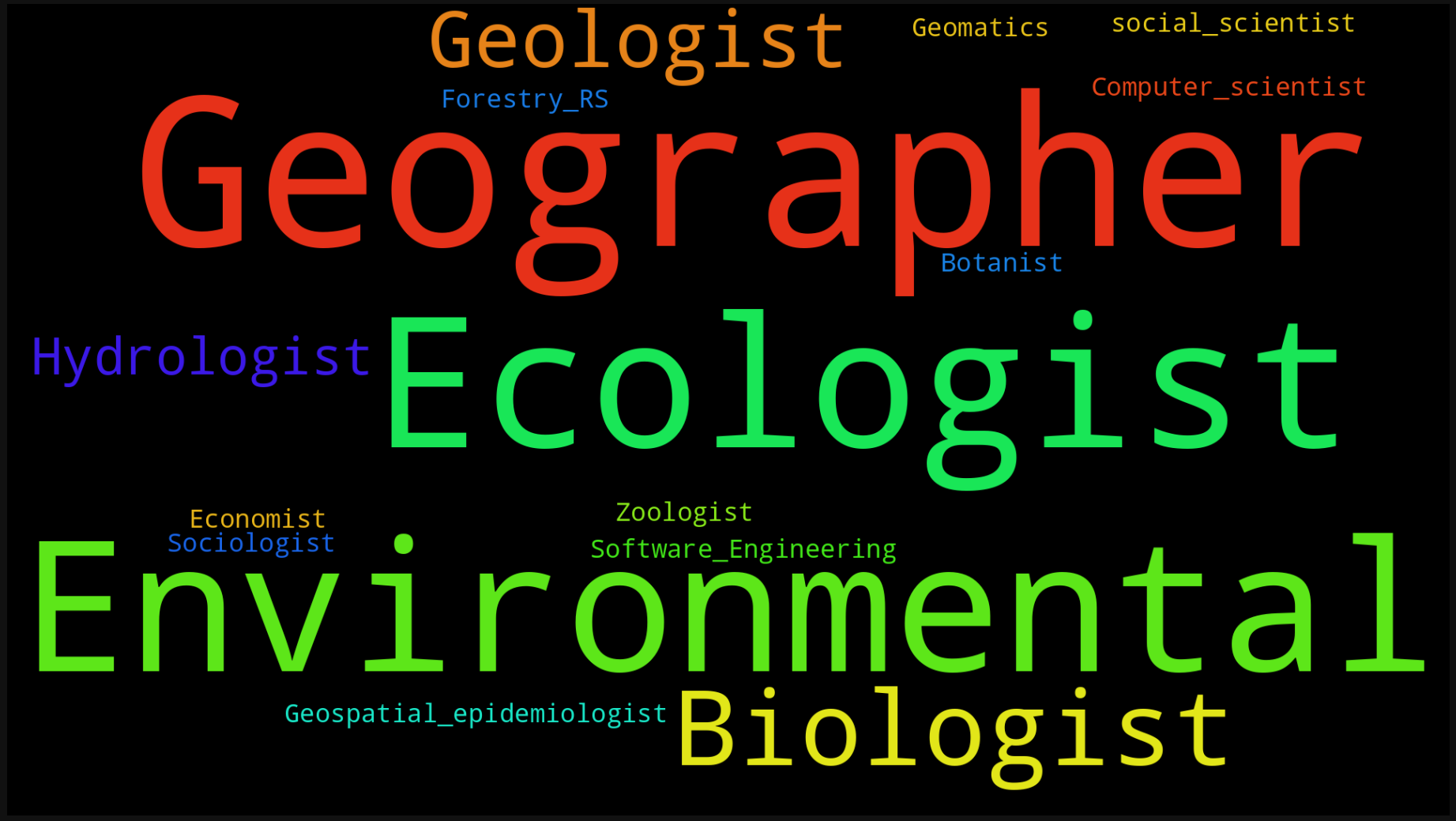
Spatial Statistics

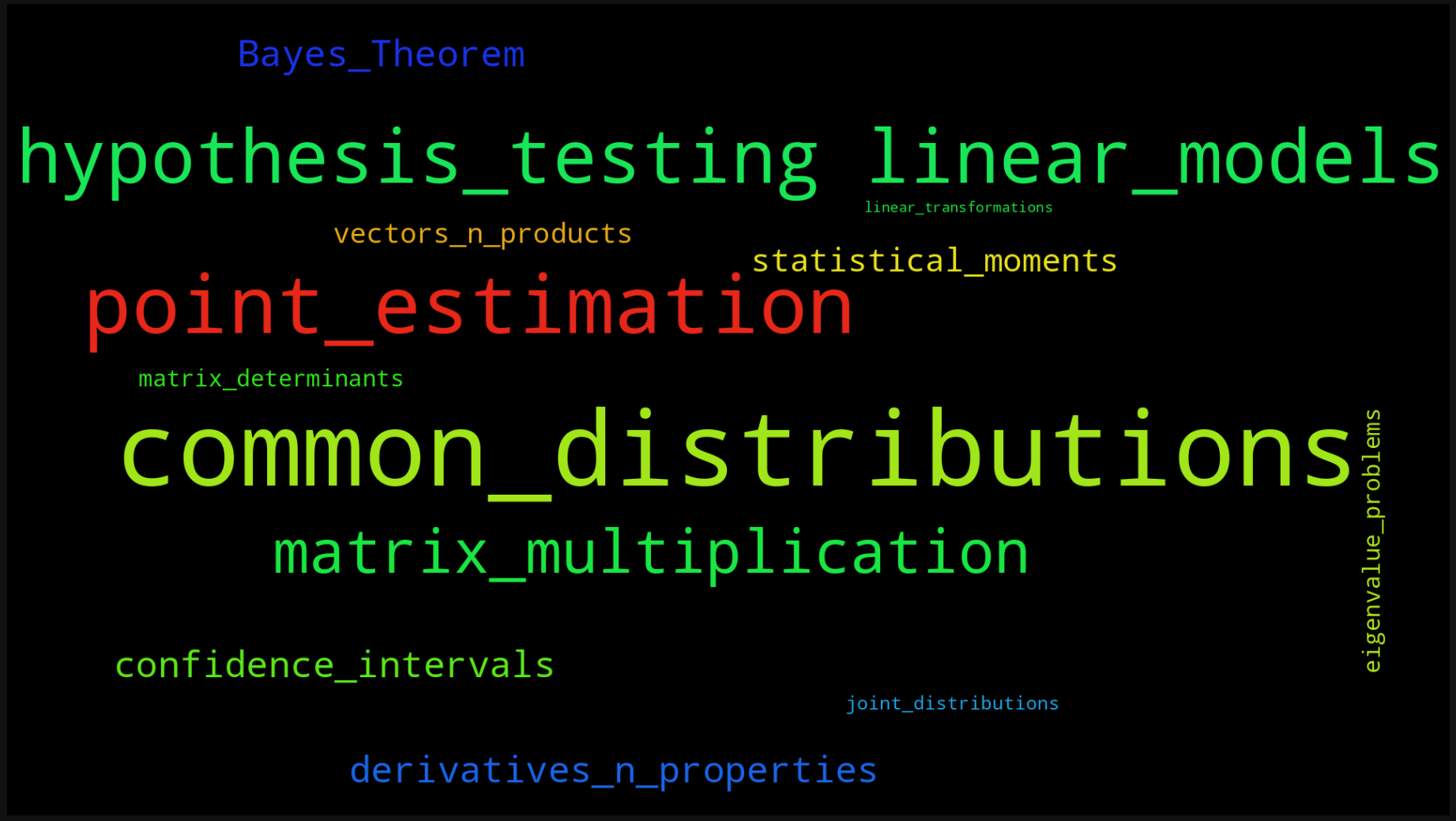
5 Apr. 2022

about U

Expertise


Geologist
Geomatics
social_scientist
Forestry_RS
Computer_scientist
Geographer
Botanist
Hydrologist
Ecologist
Economist
Sociologist
Zoologist
Software_Engineering
Environmental
Geospatial_epidemiologist
Biologist

Math Capacity



from Me

Observations

Observations

- Diversity

Observations

- Diversity
- Enthusiasm

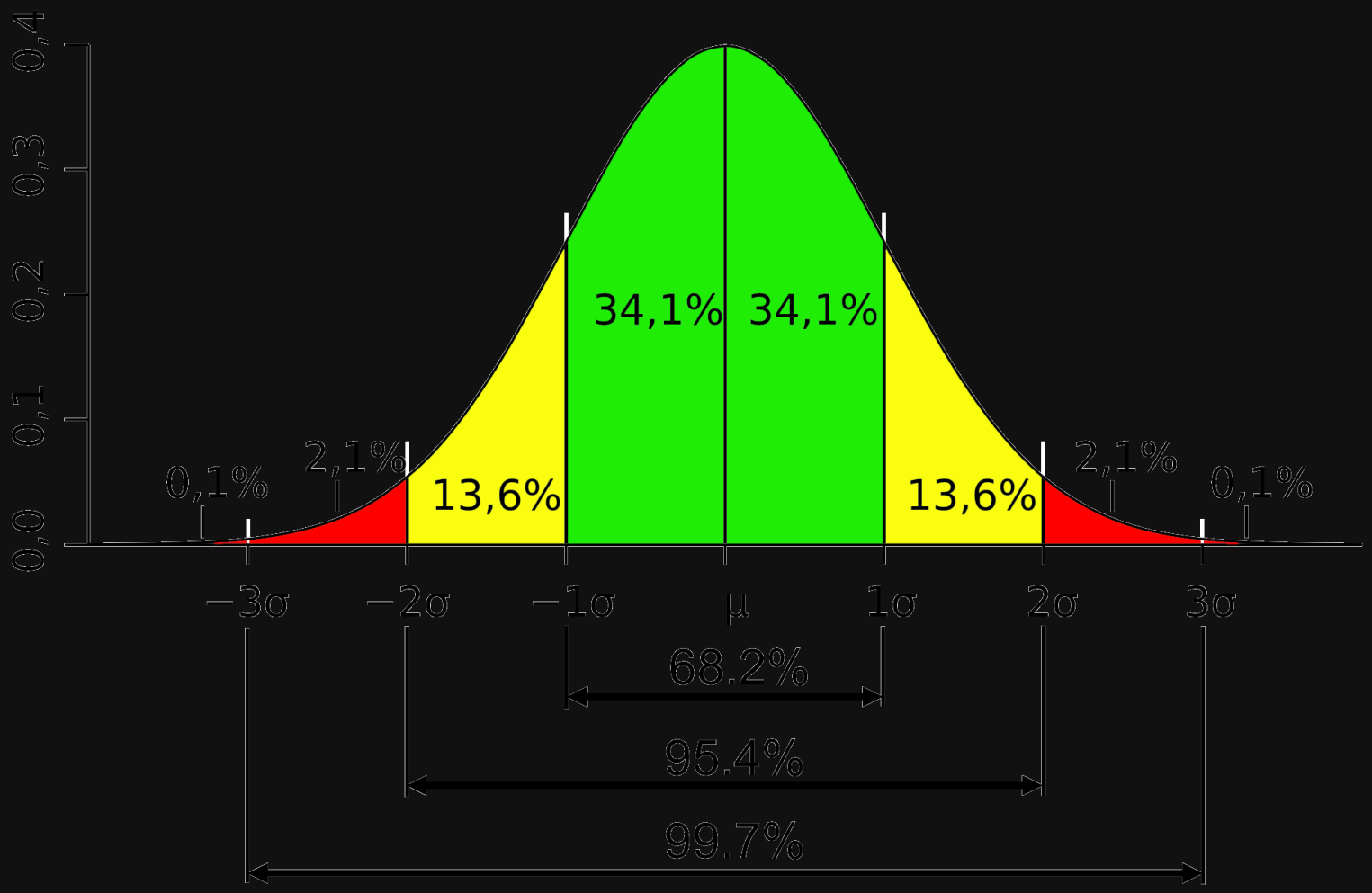
Observations

- Diversity
- Enthusiasm
- Energy

Observations

- Diversity
- Enthusiasm
- Energy
- Challenge

Possible Strategies



Philosophy

Philosophy

- You are living

Philosophy

- You are living
- You occupy space

Philosophy

- You are living
- You occupy space
- You have a mass

Philosophy

- You are living
- You occupy space
- You have a mass
- You Matter !

Philosophy

Maximisation

- potential
- capacity
- no limits

Offers

Scientific Aspiration

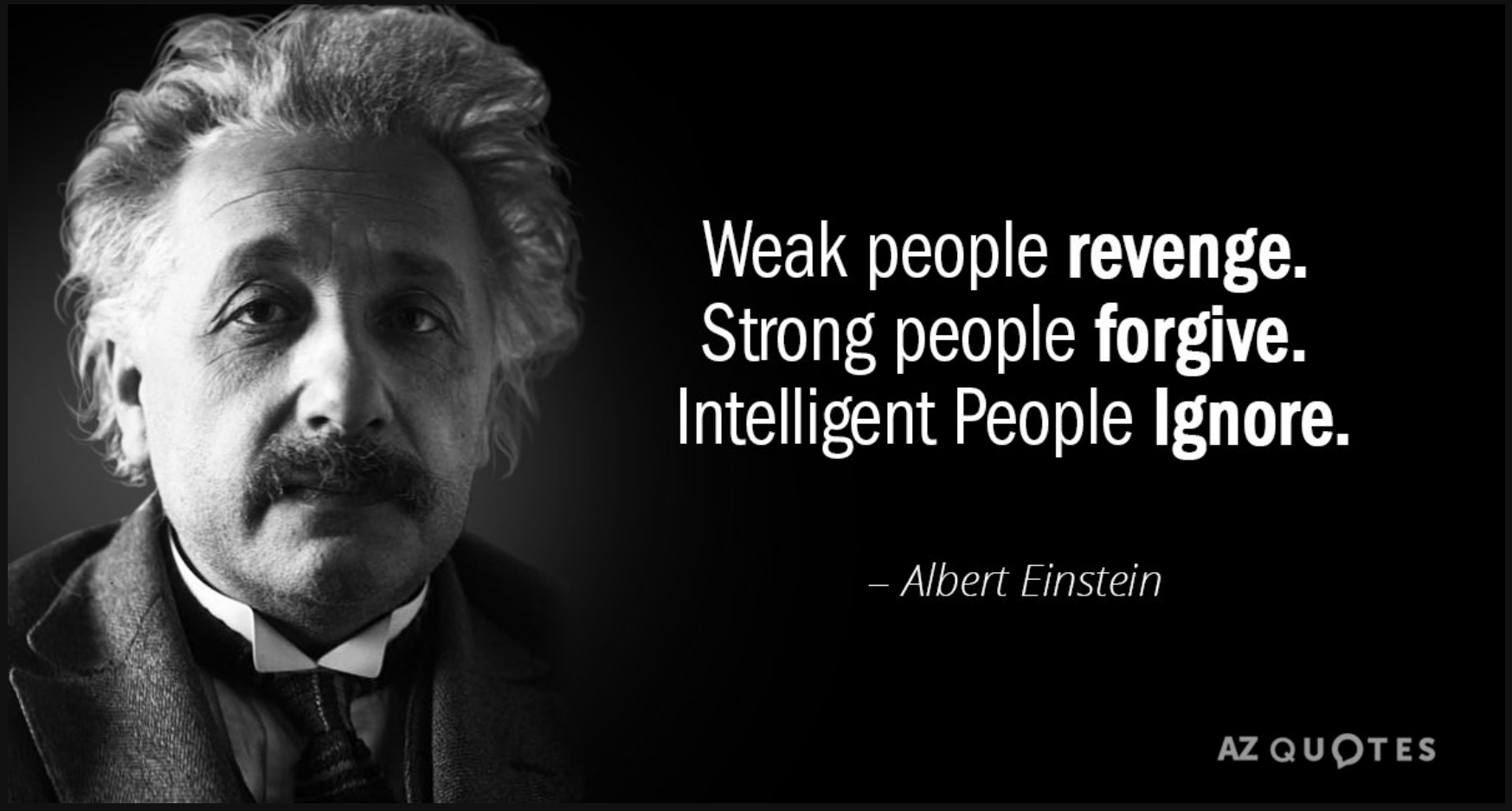
Power of Thinking

- Scientific Exploration
- Scientific Defence

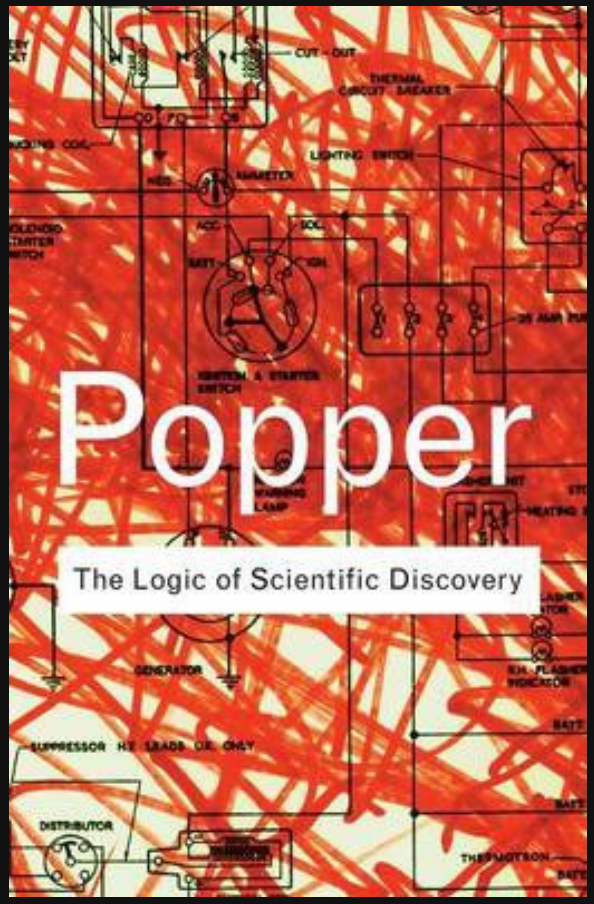
Power of Thinking

"... I strongly ask you to do k-fold cross validation ... Because RF is a strong data-driven approach, k-fold cross validation (at least) is need for avoiding overfitting of the RF model. Correlation coefficient (most important for this dataset) is not sufficiently secured with only one split process."

Power of Thinking



Power of Thinking



- problems with induction

Power of Thinking

Approaches

Approaches

- Methods : generally applicable

Approaches

- Methods : generally applicable
- Provocative case studies

Approaches

- Methods : generally applicable
- Provocative case studies
- Pedagogical logic

NOT

- recipe book

YES

- chef training

NOT

- coding centric

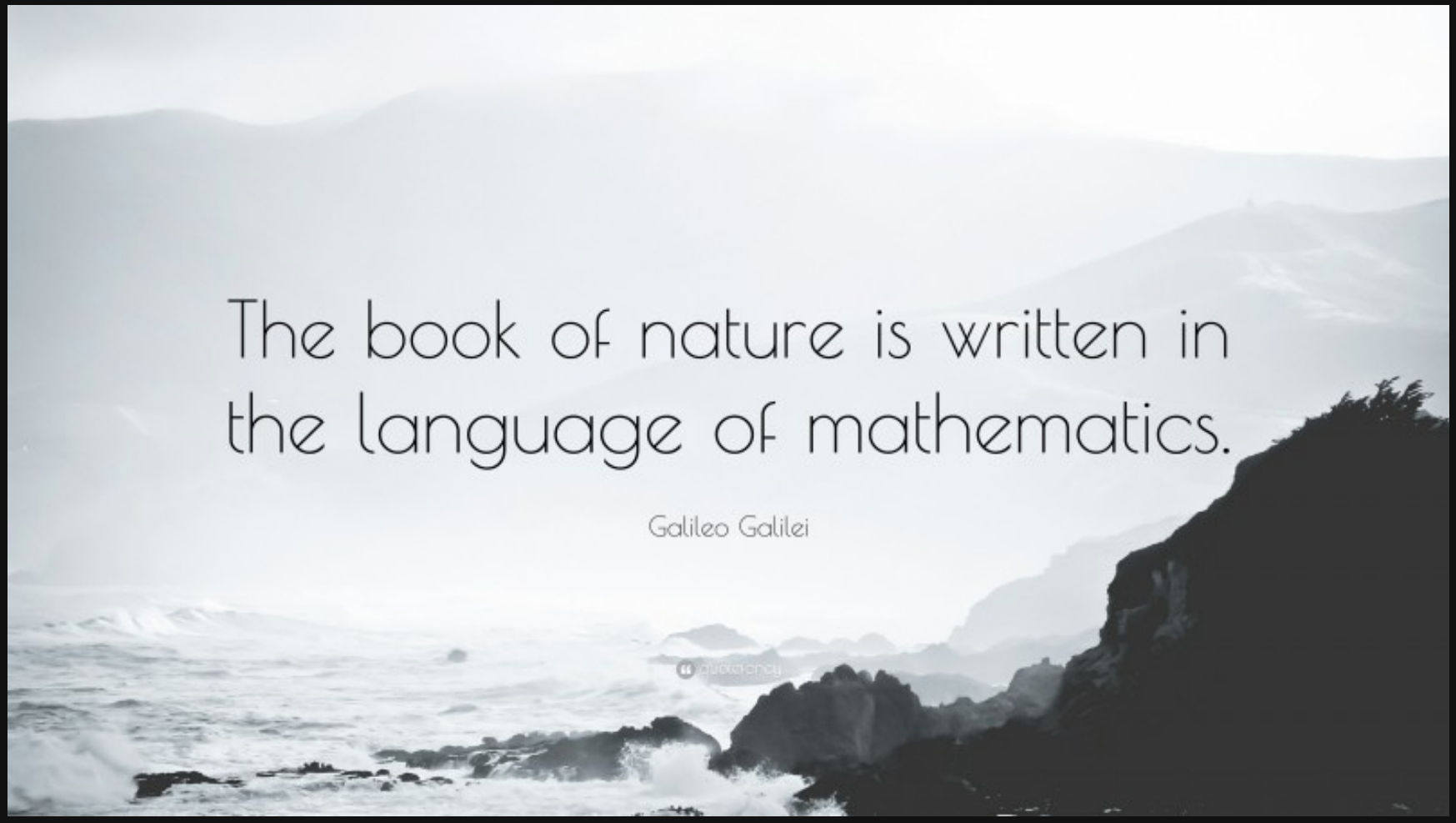
YES

- innovative thinking
- problem solving ability

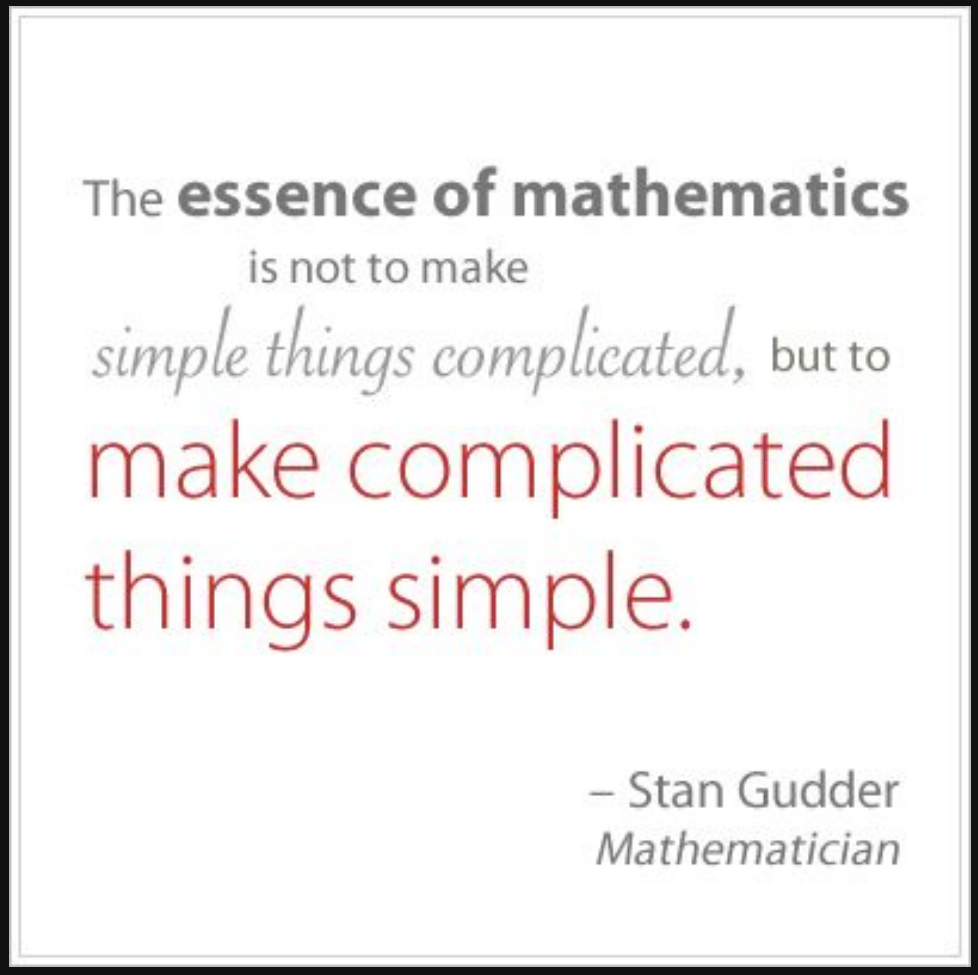
Example

In late May 1968, a nuclear submarine SSN-589 was lost at sea as it was returning to its naval base at Norfolk, Virginia. The search started in an vast area of the Atlantic Ocean. The task was challenging for the lack of knowledge about the cause and uncertainty about the location of the sinking.

Language


The book of nature is written in the language of mathematics.
Galileo Galilei

Language


The essence of mathematics
is not to make
simple things complicated, but to
make complicated
things simple.
– Stan Gudder
Mathematician

NOT

- knowledge accumulation
- outcome testing

YES

- capacity building
- directional thinking

YES

May it be a light to you in dark places, when all other lights go out.

— J. R. R. Tolkien —

AZ QUOTES

Ask

- Feekback
- Engagement
- Interactions

NOT

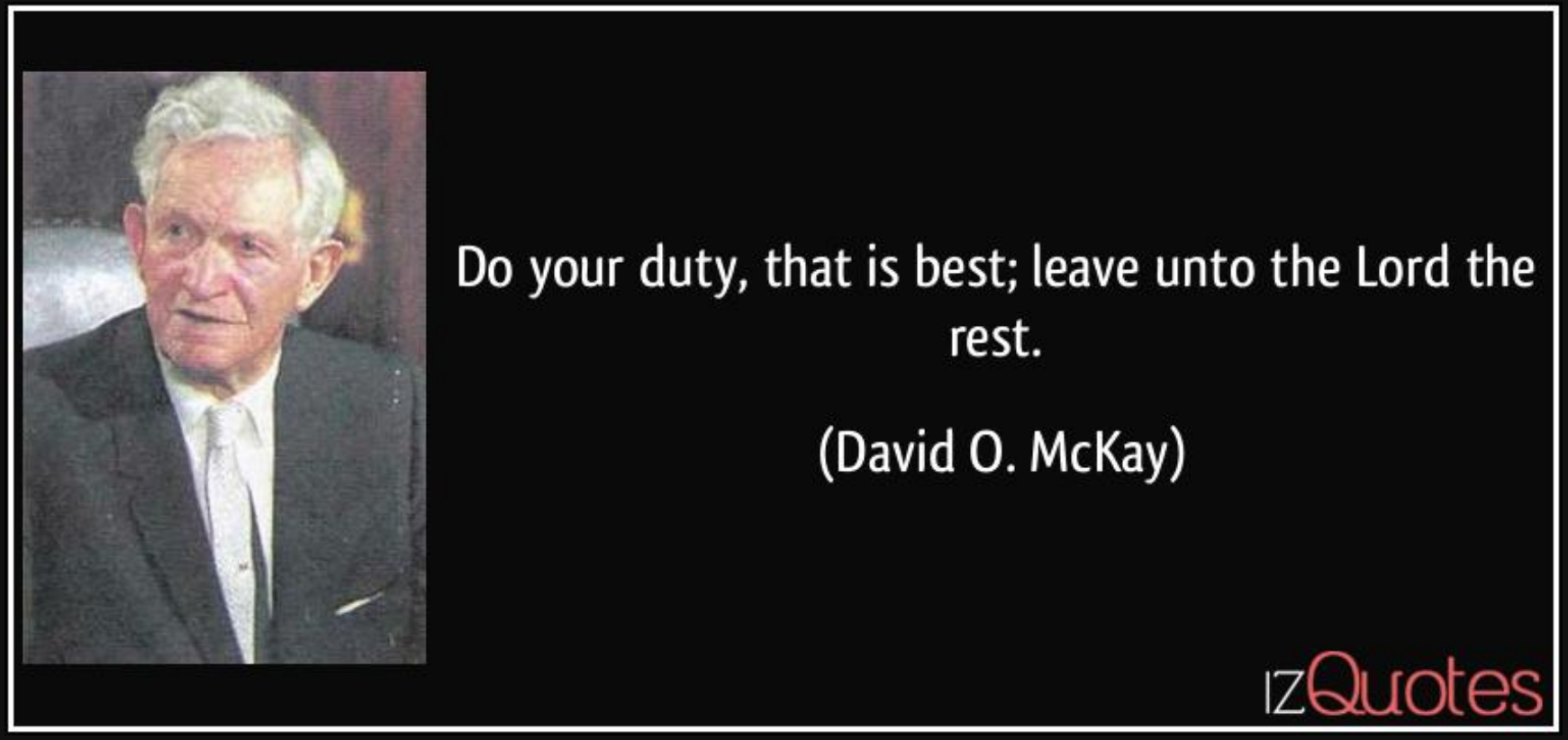
- command-n-control

YES

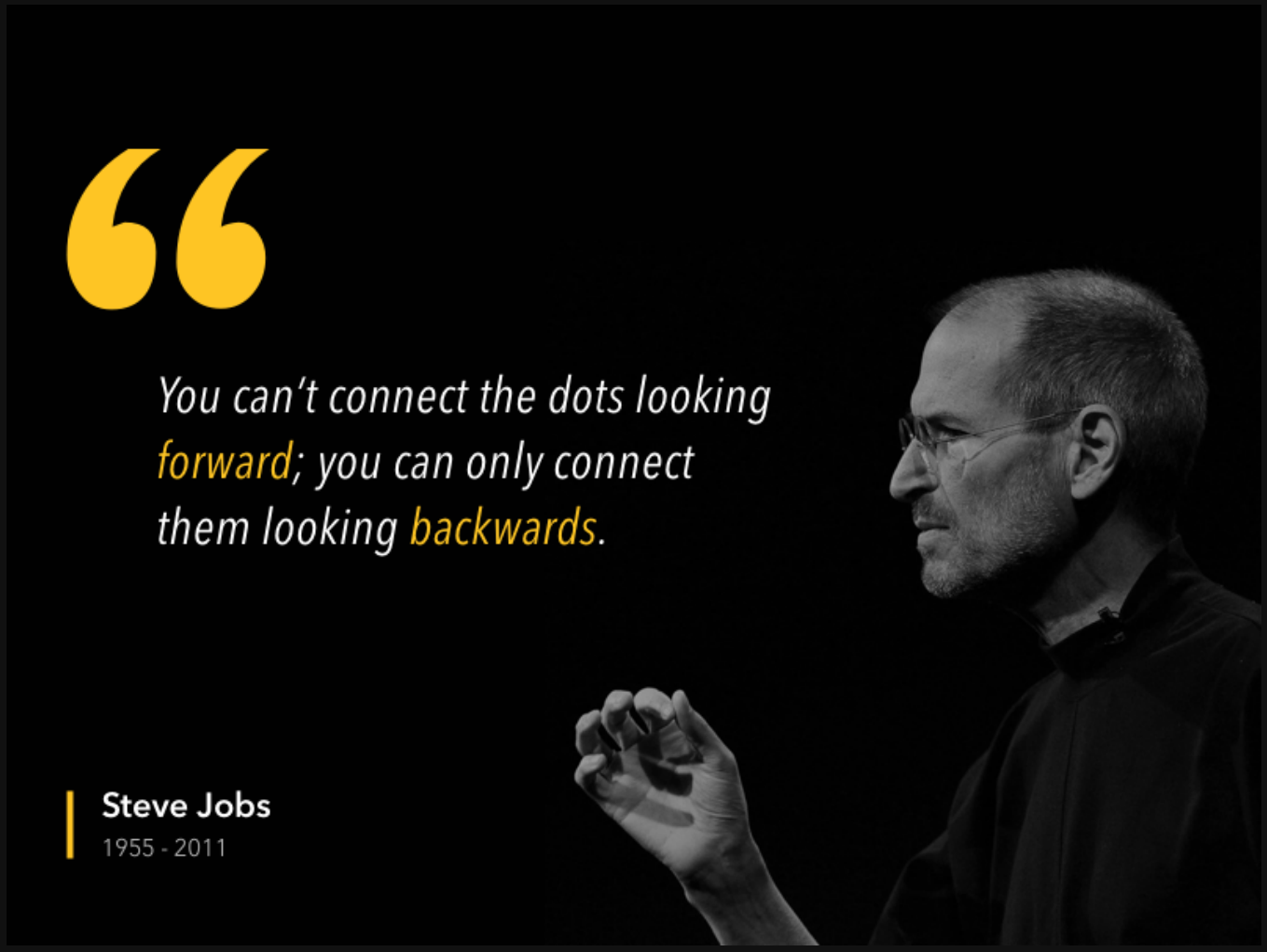
- voluntary participation

Goal

- Live community



Goal


You can't connect the dots looking forward; you can only connect them looking backwards.
Steve Jobs
1955 - 2011

Thanks for Attention