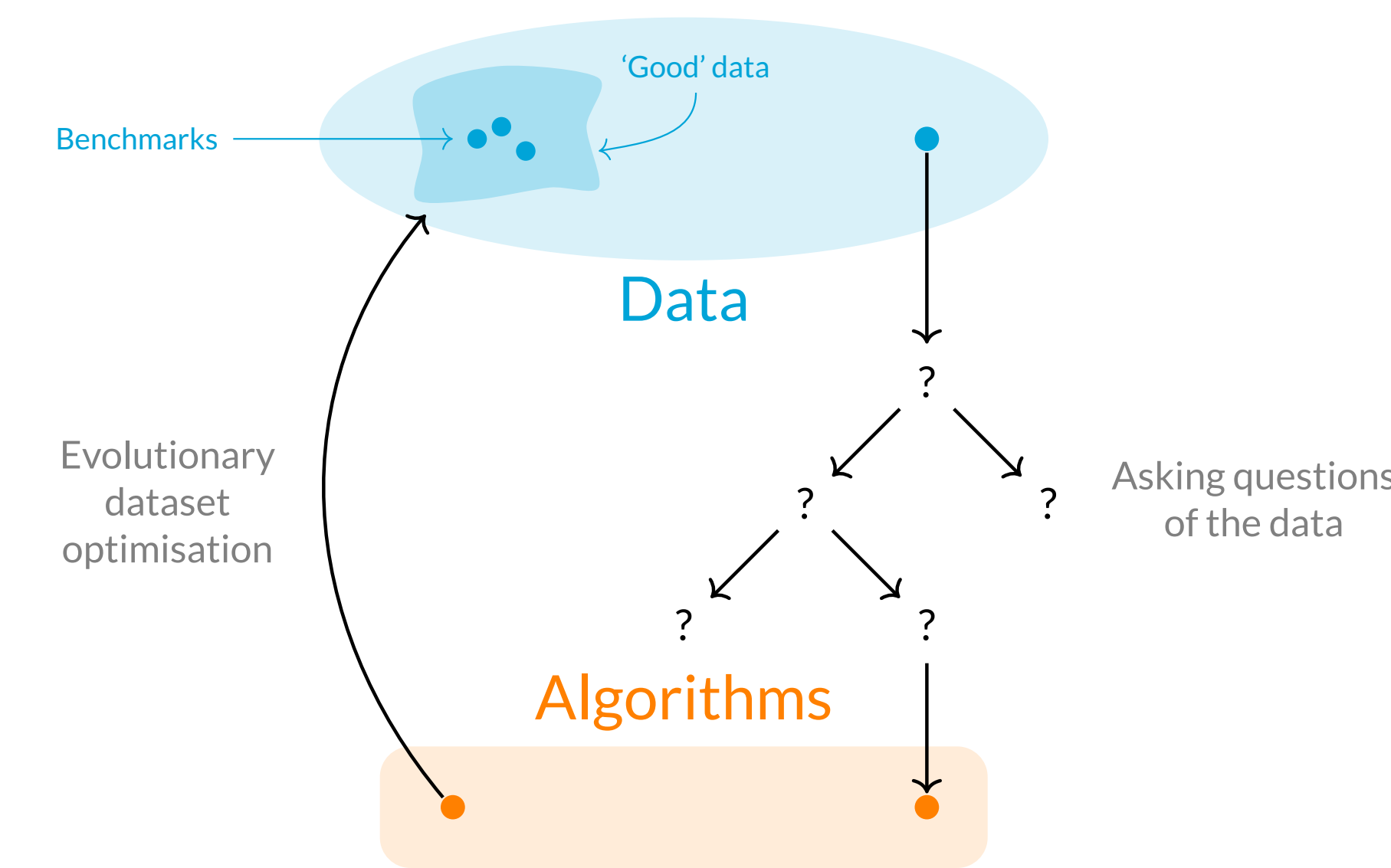


Evolutionary dataset optimisation: *learning algorithm quality through evolution*

Henry Wilde, Vincent Knight, Jonathan Gillard

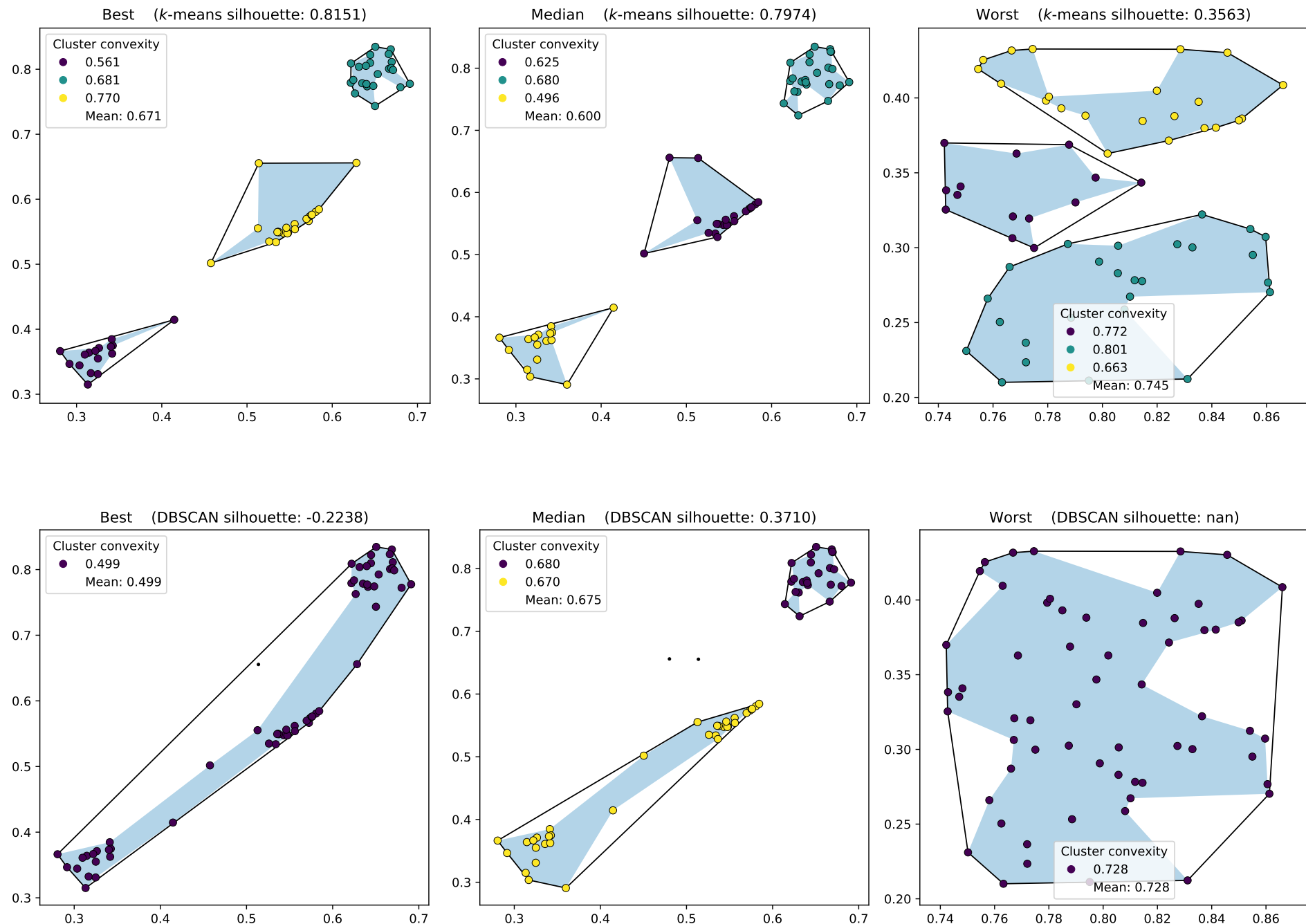
Motivating paradigm



Using an evolutionary algorithm

- Effective in complex domains
- Adjustable design
- Transparent and rich solutions
- Potential suboptimal termination
- Finds the 'easy' way out
- Requires careful consideration of fitness

A case study in clustering



Benchmark datasets are not the only option when understanding an algorithm's performance

Inner mechanisms

