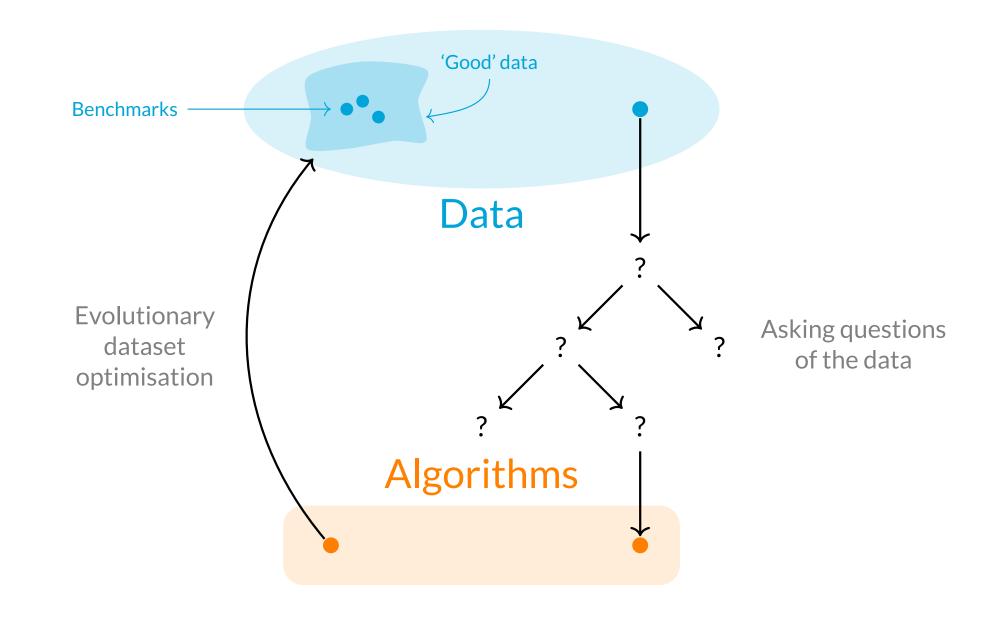
# Evolutionary dataset optimisation: learning algorithm quality through evolution

Henry Wilde, Vincent Knight, Jonathan Gillard

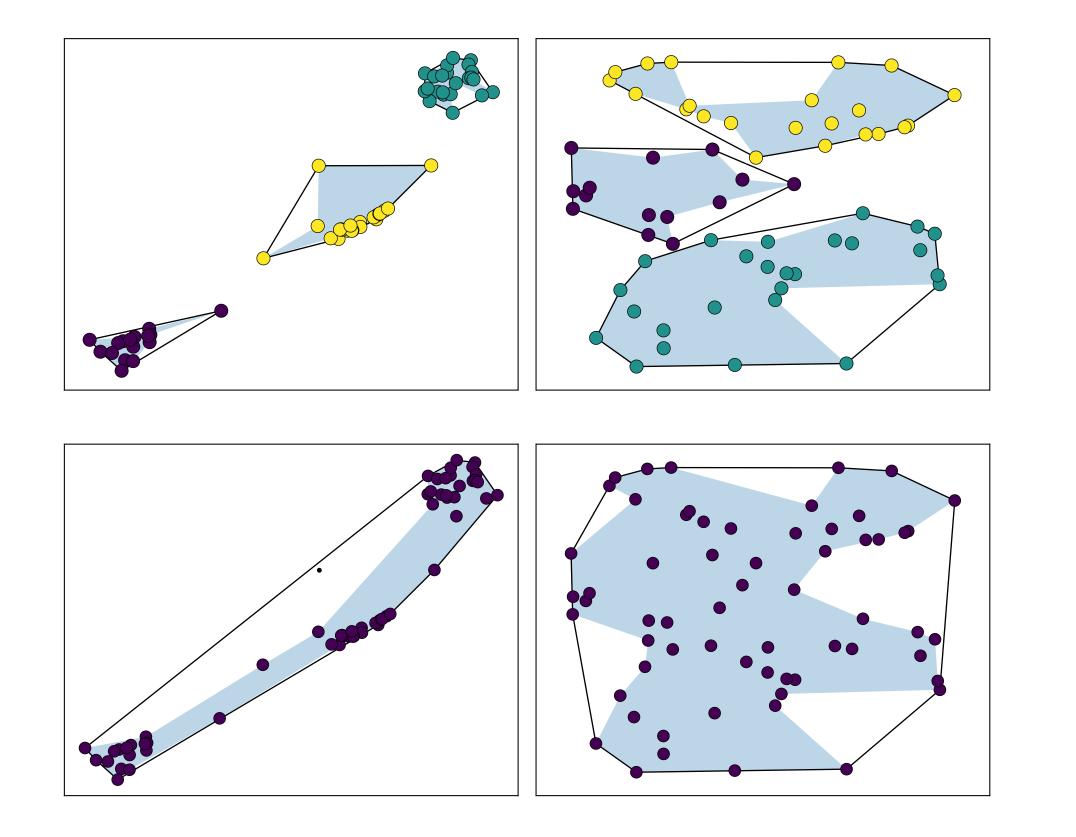
#### Motivating paradigm



# Using an evolutionary algorithm

- **E**ffective 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



Take a picture to download the full paper





□ arxiv.org/abs/1907.13508

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### Inner mechanisms

