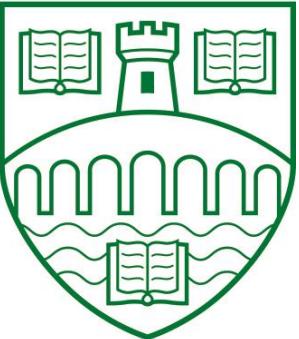


# EDAs, What are They Good For?

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# MSc in Big Data

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# Estimation of Distribution Algorithms – Optimisation Algorithms using probabilistic models

Searching for suitable problems || Identifying characteristics of functions || Discovering appropriate structures

## Simple EDA workflow

The diagram shows two tables representing populations. An arrow labeled "Selection" points from the first table to the second. The second table is then used to generate a "Probability Vector".

Solution	Score
10001	2
11110	4
01010	2
10101	3
11110	4
00001	1

Selection →

Solution	Score
11110	4
10101	3
11110	4

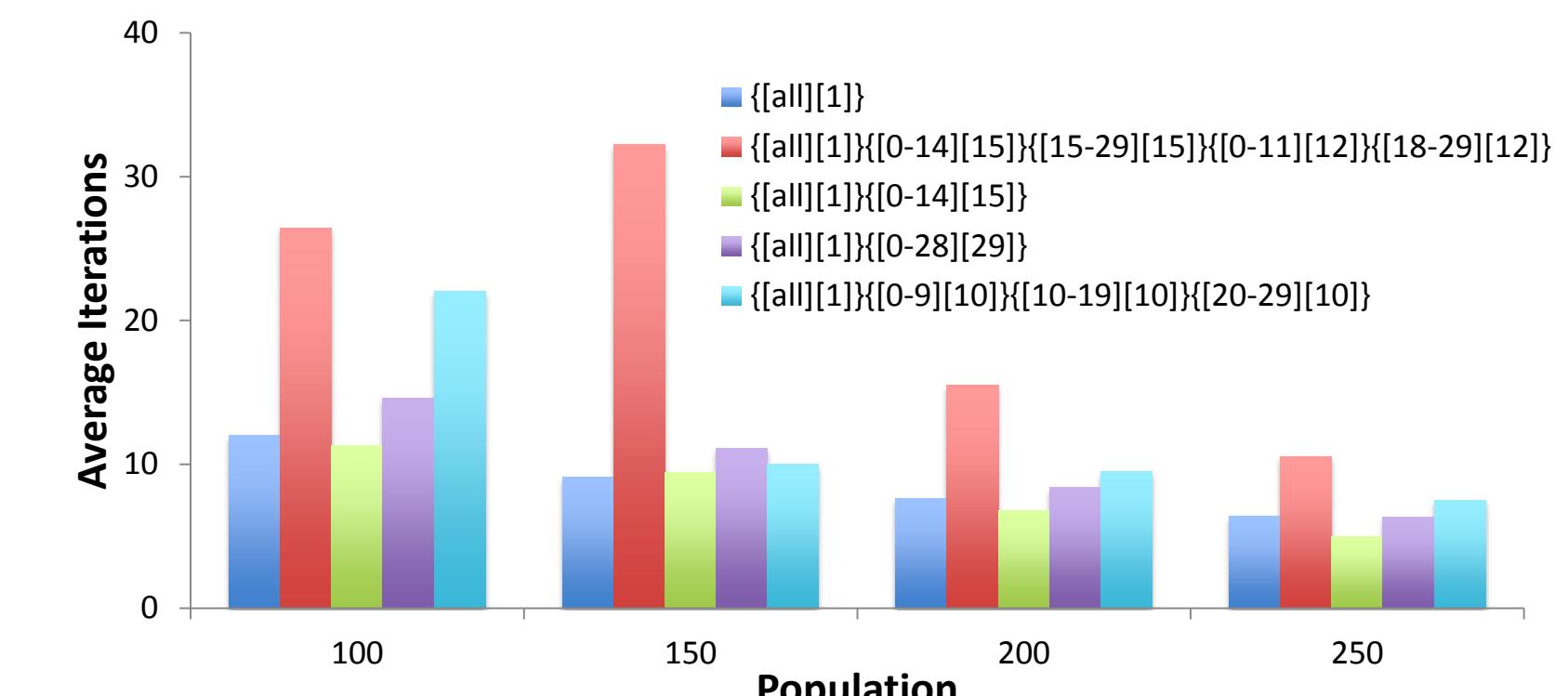
↓

Probability Vector

1	0.6	1	0.6	0.3
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## Average iterations of reaching target score



## Interaction between variables

