

Target variable

Candidate predictors

Generate population of input subset

For each subset, run a non-linear regression using ELM

Evaluate accuracy, cardinality, relevance, redundancy

Max iteration reached?

No

Yes

1) Generate Pareto-efficient solutions

2) Select high accuracy subsets

3) Eliminate inferior subsets

Discard solutions whose accuracy is lower than a predefined percentage with respect to the highest accuracy solution

Eliminate  $S_j$  if it is a superset of  $S_i$  and does not score higher accuracy

Quasi-equally accurate subsets