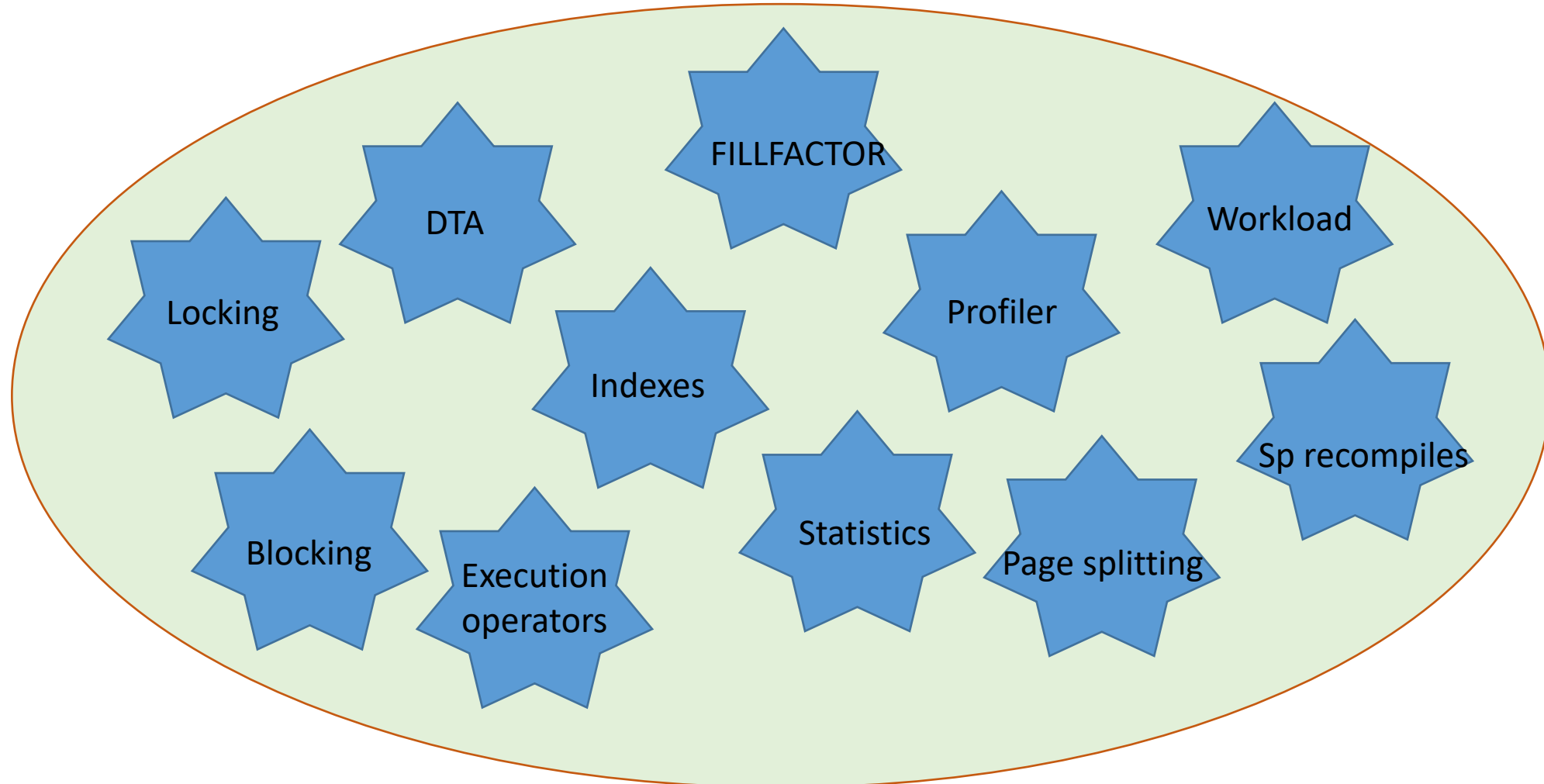# The many cogs of SQL performance tuning

THE MANY PARTS OF SQL SERVER WE NEED TO UNDERSTAND BEFORE ATTEMPTING
SQL PERFORMANCE TUNING

Index role in performance

- what is indexing
- types of indexes
- clustered indexes
- non clustered indexes
- covered indexes
- column store indexes
- filtered indexes
- missing indexes
- unused indexes
- included indexes
-
  heap
- finding fragmentation

- fill factor
- rebuild and reorganize
- disk space consumption
- dmvs
- jobs for indexes
- performance at a cost - maintenance and disk space
- b tree
- demo of indexes