# Categorizing STL Generic Algorithms

- There are four ways to categorize STL algorithms, *e.g.*

  - **Non-mutating**, which operate using a range of iterators, but don't change the data elements found

  - **Mutating**, which operate using a range of iterators, but can change the order of the data elements

  - **Sorting & sets**, which sort or searches ranges of elements & act on sorted ranges by testing values



See github.com/douglascraigschmidt/CPlusPlus/tree/master/STL/S-12