CAB301 Assignment 2

Empirical Comparison of Median Calculation Algorithms

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# **Summary**

# **Description of the Algorithm**

# **Theoretical Analysis of the Algorithm**

## **The algorithm’s basic operation**

## **Average Case Efficiency**

## **Best Case Efficiency**

## **Worst Case Efficiency**

## **Order of Growth**

# **Methodology, Tools and Techniques**

# **Experimental Results**

## **Functional Testing**

## **Average-Case Number of Basic Operations**

## **Average-Case Execution Time**

# **References**

# **Appendices**

## **Appendix I: Code for Algorithm Implementation**

## **Appendix II: Code for Generating Random Test Data**

## **Appendix III: Code for Testing Functionality**

## **Appendix IV: Code for Basic Operation Count**

## **Appendix V: Code for Time Execution Test**