CAB301 Assignment 2

Empirical Comparison of Median Calculation Algorithms

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Table of Contents

[1.0 Summary 2](#_Toc512879051)

[2.0 Description of the Algorithm 2](#_Toc512879052)

[3.0 Theoretical Analysis of the Algorithm 3](#_Toc512879053)

[3.1 The algorithm’s basic operation 3](#_Toc512879054)

[3.2 Average Case Efficiency 3](#_Toc512879055)

[3.3 Best Case Efficiency 3](#_Toc512879056)

[3.4 Worst Case Efficiency 3](#_Toc512879057)

[3.5 Order of Growth 3](#_Toc512879058)

[4.0 Methodology, Tools and Techniques 4](#_Toc512879059)

[5.0 Experimental Results 5](#_Toc512879060)

[5.1 Functional Testing 5](#_Toc512879061)

[5.2 Average-Case Number of Basic Operations 5](#_Toc512879062)

[5.3 Average-Case Execution Time 5](#_Toc512879063)

[6.0 References 6](#_Toc512879064)

[7.0 Appendices 7](#_Toc512879065)

[7.1 Appendix I: Code for Algorithm Implementation 7](#_Toc512879066)

[7.2 Appendix II: Code for Generating Random Test Data 8](#_Toc512879067)

[7.3 Appendix III: Code for Testing Functionality 8](#_Toc512879068)

[7.4 Appendix IV: Code for Basic Operation Count 8](#_Toc512879069)

[7.5 Appendix V: Code for Time Execution Test 9](#_Toc512879070)

# **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**