Kent Studer (krspcp – 12544417)

CS 4050: Algorithm Design and Analysis

Professor Yi Shang

30 January 2022

Homework 1: Analysis of Binary Search

* The Python Code

Text

Description automatically generated

* Data1.txt 19

Text

Description automatically generated

* Data1.txt 225

Text

Description automatically generated

* Data1.txt 705

Text

Description automatically generated

* Data2.txt 128

Shape, rectangle

Description automatically generated

* Data2.txt 5756

Text

Description automatically generated

* Data2.txt 9982

Rectangle

Description automatically generated with medium confidence

* Data3.txt 1997

Text

Description automatically generated

* Data3.txt 20680

Text

Description automatically generated

* Data3.txt 23887

Text

Description automatically generated

* Data4.txt 68189

Text

Description automatically generated

* Data4.txt 921111

Rectangle

Description automatically generated with low confidence

* Data4.txt 935099

A picture containing rectangle

Description automatically generated

* All Time Linear Regression Algorithm Time Linear Regression

Chart, scatter chart

Description automatically generated Chart

Description automatically generated