Paul Chang Mrs. Quesnelle ICS4UI 06/17/2019

Avocados dataset

Data Overview

This dataset is a csv file which contains various information about avocados for the past 4 years. Some of the headers in the file are avocados prices, type of growth(conventional or organic), the date of the data, year the data took place, total amount sold, and the average price of the avocados.

Data Structure 1

Summary

For the first data structure, it will read all the dates of the avocados and their average prices. The outcome will be an organized list that will state all the dates and their average prices within a particular year.

Example

Date: Date of data Average: \$average price sold

Date: 2015-08-30 Average: \$1.07

<u>Filter</u>

The first choice that user will be presented with is the choice of year. They will get to choose any year between 2015 - 2018. The second filtering stage is to choose the average. The user will be asked to choose between looking at averages with exactly or above 1 dollar and below 1 dollar.

Application

The purpose of this data structure is for people who are interested in the prices of avocados of each day within a year. Using this information, people who are interested in buying avocados for a cheap price, can use this data structure to predict which months of the year is the best time to buy cheap avocados.

Data Structure 2

Summary

For the second data structure, it will read all the dates of the avocados and their total amount sold within that day. The outcome will be an organized list that will show all the dates and the total amount of avocados sold in that day

Example

Date: Date of data Amount: Amount of avocados sold

Date: 2015-02-22 Amount: 136421.88

Filter

The first choice that the user makes is which type of grown avocados they would like to look at. The options are organic or conventional. Next the user will choose if they would like to look at dates that have a total amount sold exactly and over 100,000 or below 100,000.

Application

The purpose of this data structure is for people who are interested to see which months of the year has the most or least amount of avocados sold. This can be used for people who are involved in the avocado market, they will be able to see which days of the year sold the most avocados and the least amount. Using the data, they will be able to predict the outcome for future years and see which days will sell the least or most amount of avocados.