

HW6 Avocado

Note: According to the region column in avocado dataset consists of regions, cities, island, country and state. So, the answer will be for the undefined region (do not care whether it is actually region or not).

Undefined region

1. Which region sold the largest amount of avocado?

Ans. The region which sold the largest amount is TotalUS (5.864740e+09).

In this region, where the biggest lot of sold avocado came from (4046, 4225, 4770)?

Ans. In the TotalUS, the biggest lot of sold avocado came from 4046 (2.054936e+09).

2. Which region sold the smallest amount of avocado?

Ans. The region which sold the smallest amount is Syracuse (1.094267e+07).

In this region, where the biggest lot of sold avocado came from (4046, 4225, 4770)?

Ans. In the Syracuse, the biggest lot of sold avocado came from 4225 (6.390341e+06).

3. Which region sold the highest price of avocado in average?

Ans. The region which sold the highest price of avocado in average is HartfordSpringfield (1.818639).

4. Find the total amount of income (Avg_Price*Total_Volume) of each region.

Ans.

Region	Income
Albany	2.176672e+07
Atlanta	9.379337e+07
BaltimoreWashington	1.799084e+08
Boise	1.534667e+07
Boston	1.265429e+08
BuffaloRochester	3.154509e+07
California	1.121414e+09
Charlotte	4.574304e+07
Chicago	1.791106e+08
CincinnatiDayton	4.498958e+07
Columbus	3.156295e+07
DallasFtWorth	1.756093e+08
Denver	1.459828e+08

Region	Income
Detroit	6.912624e+07
GrandRapids	3.785124e+07
GreatLakes	6.886618e+08
HarrisburgScranton	5.295472e+07
HartfordSpringfield	7.118645e+07
Houston	1.655713e+08
Indianapolis	3.402474e+07
Jacksonville	3.348396e+07
LasVegas	5.480905e+07
LosAngeles	4.842276e+08
Louisville	1.749555e+07
MiamiFtLauderdale	1.185815e+08
Midsouth	6.157238e+08
Nashville	3.572664e+07
NewOrleansMobile	4.867626e+07
NewYork	3.351955e+08
Northeast	9.600079e+08
NorthernNewEngland	8.962525e+07
Orlando	6.961121e+07
Philadelphia	9.981583e+07
PhoenixTucson	1.384515e+08
Pittsburgh	2.319481e+07
Plains	3.600366e+08
Portland	1.128646e+08
RaleighGreensboro	5.983780e+07
RichmondNorfolk	4.734482e+07
Roanoke	2.740928e+07
Sacramento	9.480870e+07
SanDiego	9.352710e+07
SanFrancisco	1.858341e+08
Seattle	1.251791e+08
SouthCarolina	6.952808e+07
SouthCentral	8.740593e+08
Southeast	7.036306e+08
Spokane	1.715649e+07
StLouis	3.743946e+07
Syracuse	1.520519e+07
Tampa	7.695906e+07
TotalUS	6.387593e+09
West	1.066834e+09
WestTexNewMexico	1.215654e+08

5. Let AVOCADO Average Weight: 4046 => 4 ounces, 4225 => 9 ounces, 4770 => 12 ounces

Find the number of sold avocados by region?

Ans.

Region	Number
TotalUS	7.506388e+08
SouthCentral	1.601211e+08
California	1.414498e+08
West	1.347616e+08
Southeast	9.528098e+07
LosAngeles	6.845295e+07
Northeast	6.203637e+07
GreatLakes	5.729755e+07
Midsouth	5.390177e+07
Plains	4.578964e+07
PhoenixTucson	3.338693e+07
DallasFtWorth	3.323216e+07
Houston	3.070056e+07
WestTexNewMexico	2.373108e+07
NewYork	2.020583e+07
SanFrancisco	1.807756e+07
MiamiFtLauderdale	1.645062e+07
Chicago	1.393341e+07
Atlanta	1.352807e+07
BaltimoreWashington	1.260212e+07
Denver	1.247834e+07
SanDiego	1.203062e+07
Sacramento	1.056749e+07
Tampa	1.013142e+07
Portland	9.927132e+06
Seattle	9.455807e+06
Orlando	9.280617e+06
SouthCarolina	8.635995e+06
Boston	8.607525e+06
NewOrleansMobile	7.208896e+06
LasVegas	6.751638e+06
NorthernNewEngland	6.742007e+06
Detroit	6.720597e+06
Philadelphia	5.953621e+06
RaleighGreensboro	5.143921e+06
Nashville	5.024405e+06
RichmondNorfolk	5.002926e+06
HartfordSpringfield	4.549392e+06

Region	Number
Jacksonville	4.265906e+06
HarrisburgScranton	4.183936e+06
Columbus	3.921197e+06
StLouis	3.802083e+06
Charlotte	3.592665e+06
CincinnatiDayton	2.846748e+06
Roanoke	2.751174e+06
Indianapolis	2.329401e+06
GrandRapids	2.314695e+06
Boise	1.911415e+06
Pittsburgh	1.828299e+06
Spokane	1.596770e+06
Albany	1.571607e+06
BuffaloRochester	1.343352e+06
Louisville	1.140420e+06
Syracuse	7.953276e+05

Which region sold the largest number of avocados?

Ans. The region which sold the largest number of avocados is TotalUS.

6. Normally, the customers buy the avocados by unit or in a bags?

Ans. Total Bags 4.373176e+09

Number of units 1.969986e+09

The number of Total bags is greater than Number of units. So, normally, customers buy the avocados in a bags.

7. Which month is the best time to sell avocado

Ans. The month which is the best time to sell avocado is February (02), shown as following:

Month	Total Volume
02	1.760529e+09
01	1.756531e+09
03	1.623952e+09
05	1.470745e+09
07	1.298881e+09
04	1.235792e+09
06	1.202566e+09

Month	Total Volume
08	1.128375e+09
12	1.086807e+09
10	1.028756e+09
09	9.763016e+08
11	9.541687e+08

Note: For question 1, 2 and 7, the unit of total volume is unclear.

For question 3 and 4, the currency might be US dollar.