



California Avocados Production

Add a "Be large-hearted like this ancient fruit," says Melbourne-based chef SCOTT PICKETT of the versatility of the avocado bit of body text

Highest Production In County

■ Maximum Production
County is a San Diego



AVOCADO SALES GROW WHEN CALIFORNIA AVOCADOS ARE IN SEASON!

Shoppers anxiously anticipate the California season because of the consistent quality, freshness and homegrown taste of fresh California Avocados. They value the California difference and spend more when California Avocados are available. Retailers can benefit from the California season's higher sales velocity, increased dollar sales and shopper preference.

The best avocados have California in them.

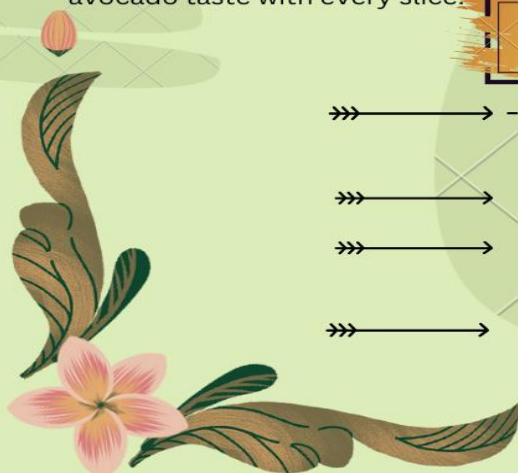
Shoppers anxiously anticipate the California season because there is a California difference.

They value the care our nearly 3,000 growers put into nurturing each avocado to ensure they get that creamy California avocado taste with every slice.



Also

- » —————> -Game Of Thrones in Ireland
- » —————> -Human vs Divine
- » —————> - Upholding Nelson Mandela's values
- » —————> - A doctor speaks up for meditation



“California Avocados Production”

Using MySQL



Under Guidance Of

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SYMBIOSIS SKILL AND PROFESSIONAL UNIVERSITY

Symbiosis Bhavan, Model Colony, Pune 16

❖ Introduction:

Avocados are native to Central America and the West Indies. While the Spanish were familiar with avocados, they did not include them in the mission gardens. The first recorded avocado tree in California was planted in 1856 by Thomas White of San Gabriel. The first commercial orchard was planted in 1908. In 1913 the variety 'Fuerte' was introduced. This became the first important commercial variety, due to its good taste and cold tolerance. Despite its short season and erratic bearing it remained the industry standard for several decades [3]. The blackskinned 'Hass' avocado was selected from a seedling grown by Robert Hass of La Habra in 1926. 'Hass' was a better bearer and had a longer season, but was initially rejected by consumers already familiar with the green-skinned 'Fuerte'. However, by 1972 'Hass' surpassed 'Fuerte' as the dominant variety, and as of 2012 accounted for about 95% of avocados grown in California.

❖ Types Of Analysis

1. Descriptive Analysis: What Happened?

The Dietary Guidelines recommend limiting calories from added sugars and saturated fats and reduce sodium intake. Avocados are naturally sodium and sugar free as well as low in saturated fat. The Guidelines emphasize good fats, like the type found in avocados, as part of healthy eating patterns. The fat in avocados is mostly unsaturated.

Is intended to help you shift your diet towards healthier choices including those from plant foods like vegetables, fruits, whole grains, oils, legumes, nuts, seeds as well as nonfat or low-fat dairy foods and/or fortified soy beverages.

2. Diagnostic Analysis: What Should Happen?

Frederick O. Popenoe, owner of the West India Gardens nursery in Altadena, Los Angeles County, sent his son, Wilson Popenoe, and his employee Carl Schmidt, on collecting expeditions in 1911 to find superior selections of avocado that might be productive in California. Carl Schmidt sought out fruit that looked good in the market places, then tried to follow the trail back to the tree to sample budwood for shipment to California.

3. Predictive Analysis: What Will Happened?

As soon as the trees arrive, examine the bottom of the root balls by removing a few trees from the pots or sleeves (very carefully!). If roots are found that have dark brown discolorations in the interior of a given feeder root, then a lab or a University farm advisor should take root samples and have them examined for Phytophthora. In previous years, on rare occasion, some nurseries had trees that were infected with Phytophthora root rot. This hasn't been the case in recent years, but it is still a good idea to double-check. Once the trees are planted, and trees start to die, the source of the root rot cannot be determined.

4. Prescriptive Analytics: What Should Happen?

Avocados are frost-sensitive, and are grown mostly along the southern coast. The project mission is to turn a million unproductive fruit trees in community homesteads to productive commercial viable fruit trees in the next ten years. The project would need Government assistance for the first 3 years after which the project will become self-sustainable. The funding which is needed from Government is for the first 3 years operational and implementation cost as well as the capital expenditure and training.

❖ **Dataset:**

https://www.kaggle.com/datasets/jarredpriester/california-avocado-production-19802020?select=cali_avocados.csv

❖ **Tools:**

- MySQL
- MS Word
- MS Excel

❖ **Observations**

- Tables
- Graphs

❖ Project Work

- Basic Operations-

1.Adding the Column from the table

```
mysql> alter table avocados add column Defected_Product varchar(50) after Price_P_U;
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc avocados;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Year           | int           | YES  |     | NULL    |       |
| Commodity_Code | int           | YES  |     | NULL    |       |
| Crop_Name      | varchar(13)   | YES  |     | NULL    |       |
| County_Code    | int           | YES  |     | NULL    |       |
| County         | varchar(16)   | YES  |     | NULL    |       |
| Harvested_Acres | int           | YES  |     | NULL    |       |
| Yield          | decimal(3,2)  | YES  |     | NULL    |       |
| Production     | int           | YES  |     | NULL    |       |
| Price_P_U      | decimal(7,2)  | YES  |     | NULL    |       |
| Defected_Product | varchar(50)   | YES  |     | NULL    |       |
| Unit           | varchar(5)    | YES  |     | NULL    |       |
| Value          | int           | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
12 rows in set (0.00 sec)
```

2.Drop the column from the table

```
mysql> alter table avocados drop column Defected_Product;
Query OK, 0 rows affected (0.13 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc avocados;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Year           | int           | YES  |     | NULL    |       |
| Commodity_Code | int           | YES  |     | NULL    |       |
| Crop_Name      | varchar(13)   | YES  |     | NULL    |       |
| County_Code    | int           | YES  |     | NULL    |       |
| County         | varchar(16)   | YES  |     | NULL    |       |
| Harvested_Acres | int           | YES  |     | NULL    |       |
| Yield          | decimal(3,2)  | YES  |     | NULL    |       |
| Production     | int           | YES  |     | NULL    |       |
| Price_P_U      | decimal(7,2)  | YES  |     | NULL    |       |
| Unit           | varchar(5)    | YES  |     | NULL    |       |
| Value          | int           | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
11 rows in set (0.00 sec)
```


3. Select * From avocados

```
mysql> select * from avocados;
```

Year	Commodity_Code	Crop_Name	County_Code	County	Harvested_Acres	Yield	Production	Price_P_U	Unit	Value
2020	221999	AVOCADOS ALL	53	Monterey	223	5.56	1240	2379.84	Tons	2951000
2020	221999	AVOCADOS ALL	65	Riverside	3020	4.32	13400	3200.31	Tons	88697000
2020	221999	AVOCADOS ALL	71	San Bernardino	370	2.16	799	2617.02	Tons	2091000
2020	221999	AVOCADOS ALL	73	San Diego	14400	3.51	50500	3028.87	Tons	152958000
2020	221999	AVOCADOS ALL	79	San Luis Obispo	4240	5.90	25000	1886.76	Tons	47169000
2020	221999	AVOCADOS ALL	83	Santa Barbara	5770	4.89	28200	2842.59	Tons	80161000
2020	221999	AVOCADOS ALL	111	Ventura	16400	4.29	70300	2556.57	Tons	179727000
2019	221999	AVOCADOS ALL	53	Monterey	225	6.58	1480	2500.00	Tons	3700000
2019	221999	AVOCADOS ALL	65	Riverside	2940	5.48	16100	2505.53	Tons	40339000
2019	221999	AVOCADOS ALL	71	San Bernardino	397	3.53	1400	2604.29	Tons	3646000
2019	221999	AVOCADOS ALL	73	San Diego	14900	2.38	35400	3958.08	Tons	140116000
2019	221999	AVOCADOS ALL	79	San Luis Obispo	4440	2.75	12200	3186.48	Tons	38879000
2019	221999	AVOCADOS ALL	83	Santa Barbara	5410	1.98	10700	3309.44	Tons	35411000
2019	221999	AVOCADOS ALL	111	Ventura	16500	3.02	49800	2349.02	Tons	116981000
2019	221999	AVOCADOS ALL	991	Sum of Others	1151	3.80	566	2120.00	Tons	4357000
2018	221999	AVOCADOS ALL	53	Monterey	256	4.53	1160	2250.00	Tons	2610000
2018	221999	AVOCADOS ALL	65	Riverside	4270	3.79	16200	2378.27	Tons	38528000
2018	221999	AVOCADOS ALL	71	San Bernardino	457	3.85	1760	2379.55	Tons	4188000
2018	221999	AVOCADOS ALL	73	San Diego	17700	2.66	47100	2569.81	Tons	121038000
2018	221999	AVOCADOS ALL	79	San Luis Obispo	4160	4.62	19200	2403.39	Tons	46145000
2018	221999	AVOCADOS ALL	83	Santa Barbara	4930	4.56	22500	2338.53	Tons	52617000
2018	221999	AVOCADOS ALL	111	Ventura	17100	3.08	52700	1959.24	Tons	103252000
2018	221999	AVOCADOS ALL	991	Sum of Others	1136	2.26	2572	2417.57	Tons	6218000
2017	221999	AVOCADOS ALL	53	Monterey	383	3.08	1180	3239.83	Tons	3823000
2017	221999	AVOCADOS ALL	65	Riverside	4320	3.92	17700	2258.36	Tons	39973000
2017	221999	AVOCADOS ALL	71	San Bernardino	477	3.08	1470	2349.66	Tons	3454000
2017	221999	AVOCADOS ALL	73	San Diego	15000	2.30	34500	3541.74	Tons	122190000
2017	221999	AVOCADOS ALL	79	San Luis Obispo	4080	2.35	9570	2852.14	Tons	27295000
2017	221999	AVOCADOS ALL	83	Santa Barbara	4270	2.46	10500	3676.76	Tons	38606000
2017	221999	AVOCADOS ALL	111	Ventura	17400	3.12	54300	2185.64	Tons	118680000
2017	221999	AVOCADOS ALL	991	Sum of Others	1178	1.80	2126	3331.14	Tons	7082000
2016	221999	AVOCADOS ALL	53	Monterey	245	5.39	1320	2430.30	Tons	3208000
2016	221999	AVOCADOS ALL	65	Riverside	4190	4.15	17400	1919.08	Tons	33392000
2016	221999	AVOCADOS ALL	71	San Bernardino	505	3.09	1560	1360.26	Tons	2122000
2016	221999	AVOCADOS ALL	73	San Diego	17700	3.28	58000	2348.72	Tons	136226000
2016	221999	AVOCADOS ALL	79	San Luis Obispo	4010	4.96	19900	2242.61	Tons	44628000

❖ Analysis

1.Count Distinct year

```
mysql> select count(distinct Year) from avocados;
+-----+
| count(distinct Year) |
+-----+
|                25 |
+-----+
1 row in set (0.00 sec)
```

2.max production

```
mysql> select max(Production) from avocados;
+-----+
| max(Production) |
+-----+
|          121150 |
+-----+
1 row in set (0.02 sec)
```

3.highest harvest acers county year

```
mysql> select max( Harvested_Acres),County,Year from avocados;
+-----+-----+-----+
| max( Harvested_Acres) | County   | Year |
+-----+-----+-----+
|          26549 | Monterey | 2020 |
+-----+-----+-----+
1 row in set (0.00 sec)
```

4.Minimum harvest acers County Year

```
mysql> select min( Harvested_Acres),County,Year from avocados;
+-----+-----+-----+
| min( Harvested_Acres) | County   | Year |
+-----+-----+-----+
|           34 | Monterey | 2020 |
+-----+-----+-----+
1 row in set (0.00 sec)
```

5. How Many data are in the table

```
mysql> select count(*) from avocados;
+-----+
| count(*) |
+-----+
|        227 |
+-----+
1 row in set (0.02 sec)
```

6.Find get Unique County from the table

```
mysql> select distinct County from avocados;
```

County
Monterey
Riverside
San Bernardino
San Diego
San Luis Obispo
Santa Barbara
Ventura
Sum of Others
San Luis Obisp
Los Angeles
Orange
Tulare

7. County Wise Avocados Production

```
mysql> select County,County_Code,Production from avocados order by Value;
```

County	County_Code	Production
Monterey	53	85
Los Angeles	37	100
Monterey	53	96
Sum of Others	991	4573
Los Angeles	37	50
Los Angeles	37	64
Los Angeles	37	71
Los Angeles	37	85
Los Angeles	37	101
Los Angeles	37	146
Sum of Others	991	93
Los Angeles	37	70
Los Angeles	37	123
Los Angeles	37	267
Los Angeles	37	88
Monterey	53	111
Sum of Others	991	5784
Los Angeles	37	243
Los Angeles	37	193
Sum of Others	991	190
Monterey	53	274
Los Angeles	37	341
Monterey	53	275
Monterey	53	204
Monterey	53	192
Monterey	53	237
Monterey	53	377
Monterey	53	350
Monterey	53	346
San Bernardino	71	899
Los Angeles	37	627
Monterey	53	422

```
mysql> select County,avg(Yield) as Production from avocados group by County order by Production;
```

County	Production
Los Angeles	2.478125
San Luis Obisp	2.810000
Ventura	2.855200
Sum of Others	2.891667
Santa Barbara	2.945200
Orange	2.959000
Monterey	3.044000
San Diego	3.074800
Riverside	3.258400
San Luis Obispo	3.258750
Tulare	3.586250
San Bernardino	3.906000

12 rows in set (0.02 sec)


```
mysql> select County,sum(Yield)as Production from avocados group by County order by Production;
```

County	Production
San Luis Obisp	2.81
Tulare	28.69
Orange	29.59
Los Angeles	39.65
Sum of Others	52.05
Ventura	71.38
Santa Barbara	73.63
Monterey	76.10
San Diego	76.87
San Luis Obispo	78.21
Riverside	81.46
San Bernardino	97.65

```
12 rows in set (0.00 sec)
```

8.Year Wise Avocados Production

```
mysql> Select Year,sum(Production) from avocados group by Year;
```

Year	sum(Production)
2020	189439
2019	127646
2018	163192
2017	131346
2016	189231
2015	147632
2014	169279
2013	295066
2012	231529
2011	156687
2010	248171
2009	108182
2008	141012
2007	140496
2006	299052
2005	190340
2004	217126
2003	175899
2002	190572
2001	174310
2000	131500
1999	122759
1998	149677
1997	154776
1996	163008

```
25 rows in set (0.00 sec)
```

```
mysql> select Year,avg(Production) from avocados group by Year;
```

Year	avg(Production)
2020	27062.7143
2019	15955.7500
2018	20399.0000
2017	16418.2500
2016	23653.8750
2015	18454.0000
2014	21159.8750
2013	36883.2500
2012	28941.1250
2011	17409.6667
2010	27574.5556
2009	12020.2222
2008	15668.0000
2007	15610.6667
2006	33228.0000
2005	19034.0000
2004	21712.6000
2003	17589.9000
2002	19057.2000
2001	17431.0000
2000	13150.0000
1999	12275.9000
1998	13607.0000
1997	14070.5455
1996	16300.8000

```
25 rows in set (0.00 sec)
```

```
mysql> select Year,min( Harvested_Acres) from avocados group by Year;
```

Year	min(Harvested_Acres)
2020	223
2019	225
2018	256
2017	383
2016	245
2015	229
2014	200
2013	200
2012	193
2011	78
2010	87
2009	80
2008	81
2007	53
2006	60
2005	101
2004	59
2003	34
2002	46
2001	62
2000	47
1999	41
1998	86
1997	92
1996	95

```
25 rows in set (0.00 sec)
```

```
mysql> select Year,max( Harvested_Acres) from avocados group by Year;
```

Year	max(Harvested_Acres)
2020	16400
2019	16500
2018	17700
2017	17400
2016	18500
2015	19500
2014	19700
2013	21100
2012	22400
2011	17700
2010	19100
2009	24684
2008	26549
2007	26064
2006	26012
2005	26326
2004	26122
2003	25482
2002	25729
2001	25922
2000	25997
1999	26347
1998	26347
1997	22600
1996	23947

```
25 rows in set (0.00 sec)
```

9. Display Record crop Production County Starting Name With ‘S%’

```
mysql> select Crop_Name,County from avocados where County like 'S%';
```

Crop_Name	County
AVOCADOS ALL	San Bernardino
AVOCADOS ALL	San Diego
AVOCADOS ALL	San Luis Obispo
AVOCADOS ALL	Santa Barbara
AVOCADOS ALL	San Bernardino
AVOCADOS ALL	San Diego
AVOCADOS ALL	San Luis Obispo
AVOCADOS ALL	Santa Barbara
AVOCADOS ALL	Sum of Others
AVOCADOS ALL	San Bernardino
AVOCADOS ALL	San Diego
AVOCADOS ALL	San Luis Obispo
AVOCADOS ALL	Santa Barbara
AVOCADOS ALL	Sum of Others
AVOCADOS ALL	San Bernardino
AVOCADOS ALL	San Diego
AVOCADOS ALL	San Luis Obispo
AVOCADOS ALL	Santa Barbara
AVOCADOS ALL	Sum of Others
AVOCADOS ALL	San Bernardino
AVOCADOS ALL	San Diego
AVOCADOS ALL	San Luis Obispo
AVOCADOS ALL	Santa Barbara
AVOCADOS ALL	Sum of Others
AVOCADOS ALL	San Bernardino
AVOCADOS ALL	San Diego
AVOCADOS ALL	San Luis Obispo
AVOCADOS ALL	Santa Barbara
AVOCADOS ALL	Sum of Others
AVOCADOS ALL	San Bernardino
AVOCADOS ALL	San Diego
AVOCADOS ALL	San Luis Obispo
AVOCADOS ALL	Santa Barbara

10. Display Record crop Production County Starting Name With ‘V%’

```
mysql> select Crop_Name,County from avocados where County like 'V%';
```

Crop_Name	County
AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura
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AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura
AVOCADOS ALL	Ventura

25 rows in set (0.00 sec)

11.Total sum from Yield :

```
mysql> SELECT SUM(YIELD) FROM AVOCADOS;
```

SUM(YIELD)
708.09

1 row in set (0.00 sec)

12. Maximum Commodity Code, County Code, County, Harvested Acres, Production and Value.

```
mysql> select * from avocados where Production=(select max(Production) from avocados);
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| Year | Commodity_Code | Crop_Name | County_Code | County | Harvested_Acres | Yield | Production | Price_P_U | Unit | Value |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 2006 | 221999 | AVOCADOS ALL | 73 | San Diego | 26012 | 4.66 | 121150 | 1133.35 | Tons | 137305800 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.02 sec)
```

```
mysql> select * from avocados where Harvested_Acres=(select max(Harvested_Acres) from avocados);
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| Year | Commodity_Code | Crop_Name | County_Code | County | Harvested_Acres | Yield | Production | Price_P_U | Unit | Value |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 2008 | 221999 | AVOCADOS ALL | 73 | San Diego | 26549 | 2.25 | 59805 | 2419.44 | Tons | 144694900 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

13. Show Second Highest Value of Production

```
mysql> select max(Value) from avocados where Value<(select max(Value) from avocados);
+-----+
| max(Value) |
+-----+
| 209723000 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select max(Value), Production from avocados where Value<(select max(Value) from avocados);
+-----+-----+
| max(Value) | Production |
+-----+-----+
| 209723000 | 1240 |
+-----+-----+
1 row in set (0.00 sec)
```

14. Show Highest Values

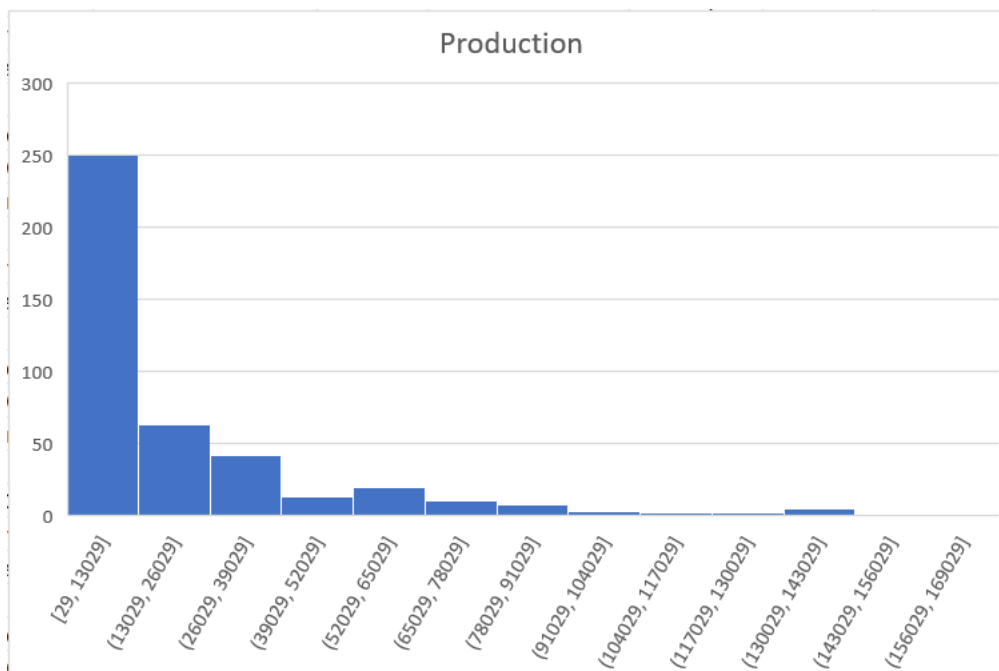
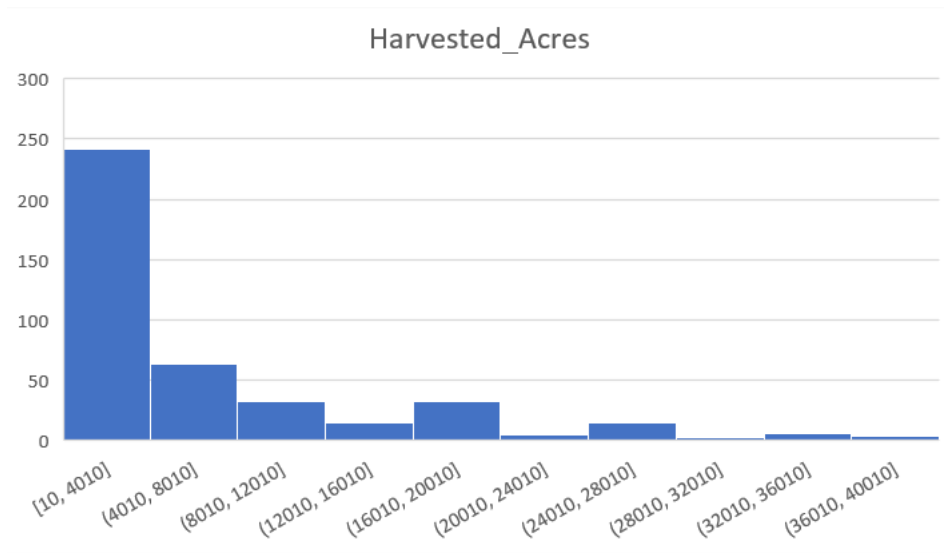
```
mysql> select County, Production, Unit, Value from avocados where Yield>(select avg(Yield) from avocados);
+-----+-----+-----+-----+
| County | Production | Unit | Value |
+-----+-----+-----+-----+
| Monterey | 1240 | Tons | 2951000 |
| Riverside | 13400 | Tons | 88697000 |
| San Diego | 50500 | Tons | 152958000 |
| San Luis Obispo | 25000 | Tons | 47169000 |
| Santa Barbara | 28200 | Tons | 80161000 |
| Ventura | 70300 | Tons | 179727000 |
| Monterey | 1480 | Tons | 3700000 |
| Riverside | 16100 | Tons | 40339000 |
| San Bernardino | 1400 | Tons | 3646000 |
| Sum of Others | 566 | Tons | 4357000 |
| Monterey | 1160 | Tons | 2610000 |
| Riverside | 16200 | Tons | 38528000 |
| San Bernardino | 1760 | Tons | 4188000 |
| San Luis Obispo | 19200 | Tons | 46145000 |
| Santa Barbara | 22500 | Tons | 52617000 |
| Riverside | 17700 | Tons | 39973000 |
| Ventura | 54300 | Tons | 118680000 |
| Monterey | 1320 | Tons | 3208000 |
| Riverside | 17400 | Tons | 33392000 |
| San Diego | 58000 | Tons | 136226000 |
| San Luis Obispo | 19900 | Tons | 44628000 |
| Santa Barbara | 24600 | Tons | 63483000 |
| Ventura | 61600 | Tons | 129000000 |
| Sum of Others | 4851 | Tons | 9255000 |
| San Bernardino | 1620 | Tons | 2051000 |
| Santa Barbara | 23400 | Tons | 46901000 |
| Riverside | 18700 | Tons | 35343000 |
| San Bernardino | 822 | Tons | 1322000 |
| San Diego | 59100 | Tons | 154038000 |
| Santa Barbara | 26400 | Tons | 59936000 |
| Monterey | 1420 | Tons | 3002000 |
| Riverside | 24200 | Tons | 41207000 |
| San Bernardino | 917 | Tons | 1531000 |
```

15.Display top 30 records using limit

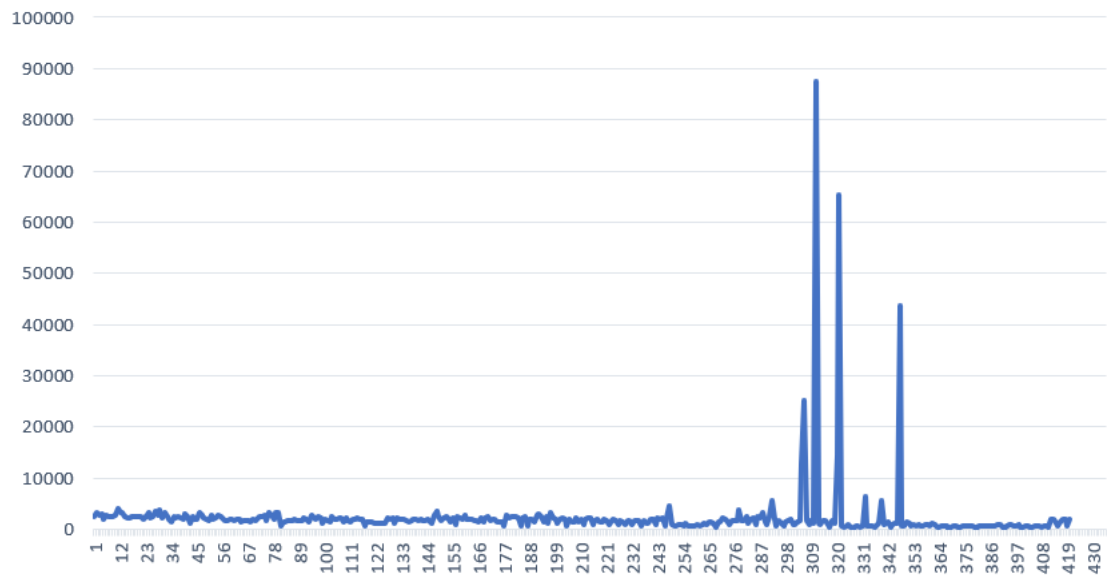
```
mysql> select * from avocados limit 30;
```

Year	Commodity_Code	Crop_Name	County_Code	County	Harvested_Acres	Yield	Production	Price_P_U	Unit	Value
2020	221999	AVOCADOS ALL	53	Monterey	223	5.56	1240	2379.84	Tons	2951000
2020	221999	AVOCADOS ALL	65	Riverside	3020	4.32	13400	3200.31	Tons	88697000
2020	221999	AVOCADOS ALL	71	San Bernardino	370	2.16	799	2617.02	Tons	2091000
2020	221999	AVOCADOS ALL	73	San Diego	14400	3.51	50500	3028.87	Tons	152958000
2020	221999	AVOCADOS ALL	79	San Luis Obispo	4240	5.90	25000	1886.76	Tons	47169000
2020	221999	AVOCADOS ALL	83	Santa Barbara	5770	4.89	28200	2842.59	Tons	80161000
2020	221999	AVOCADOS ALL	111	Ventura	16400	4.29	70300	2556.57	Tons	179727000
2019	221999	AVOCADOS ALL	53	Monterey	225	6.58	1480	2500.00	Tons	3700000
2019	221999	AVOCADOS ALL	65	Riverside	2940	5.48	16100	2505.53	Tons	40339000
2019	221999	AVOCADOS ALL	71	San Bernardino	397	3.53	1400	2604.29	Tons	3646000
2019	221999	AVOCADOS ALL	73	San Diego	14900	2.38	35400	3958.08	Tons	140116000
2019	221999	AVOCADOS ALL	79	San Luis Obispo	4440	2.75	12200	3186.48	Tons	38875000
2019	221999	AVOCADOS ALL	83	Santa Barbara	5410	1.98	10700	3309.44	Tons	35411000
2019	221999	AVOCADOS ALL	111	Ventura	16500	3.02	49800	2249.02	Tons	116901000
2019	221999	AVOCADOS ALL	991	Sum of Others	1151	3.80	565	2120.00	Tons	4357000
2018	221999	AVOCADOS ALL	53	Monterey	256	4.53	1160	2250.00	Tons	2610000
2018	221999	AVOCADOS ALL	65	Riverside	4270	3.79	16200	2378.27	Tons	38520000
2018	221999	AVOCADOS ALL	71	San Bernardino	457	3.85	1760	2379.55	Tons	4188000
2018	221999	AVOCADOS ALL	73	San Diego	17700	2.66	47100	2569.81	Tons	121038000
2018	221999	AVOCADOS ALL	79	San Luis Obispo	4160	4.62	19200	2403.39	Tons	46145000
2018	221999	AVOCADOS ALL	83	Santa Barbara	4030	4.56	22500	2338.53	Tons	52617000
2018	221999	AVOCADOS ALL	111	Ventura	17100	3.08	52700	1959.24	Tons	103852000
2018	221999	AVOCADOS ALL	991	Sum of Others	1136	2.26	2572	2417.57	Tons	6218000
2017	221999	AVOCADOS ALL	53	Monterey	383	3.08	1180	3239.83	Tons	3823000
2017	221999	AVOCADOS ALL	65	Riverside	4520	3.92	17700	2258.36	Tons	39973000
2017	221999	AVOCADOS ALL	71	San Bernardino	477	3.08	1470	2349.66	Tons	3454000
2017	221999	AVOCADOS ALL	73	San Diego	15000	2.30	34500	3541.74	Tons	122190000
2017	221999	AVOCADOS ALL	79	San Luis Obispo	4000	2.35	9570	2852.14	Tons	27295000
2017	221999	AVOCADOS ALL	83	Santa Barbara	4370	2.46	10500	3676.76	Tons	38660000
2017	221999	AVOCADOS ALL	111	Ventura	17400	3.12	54300	2185.64	Tons	118600000

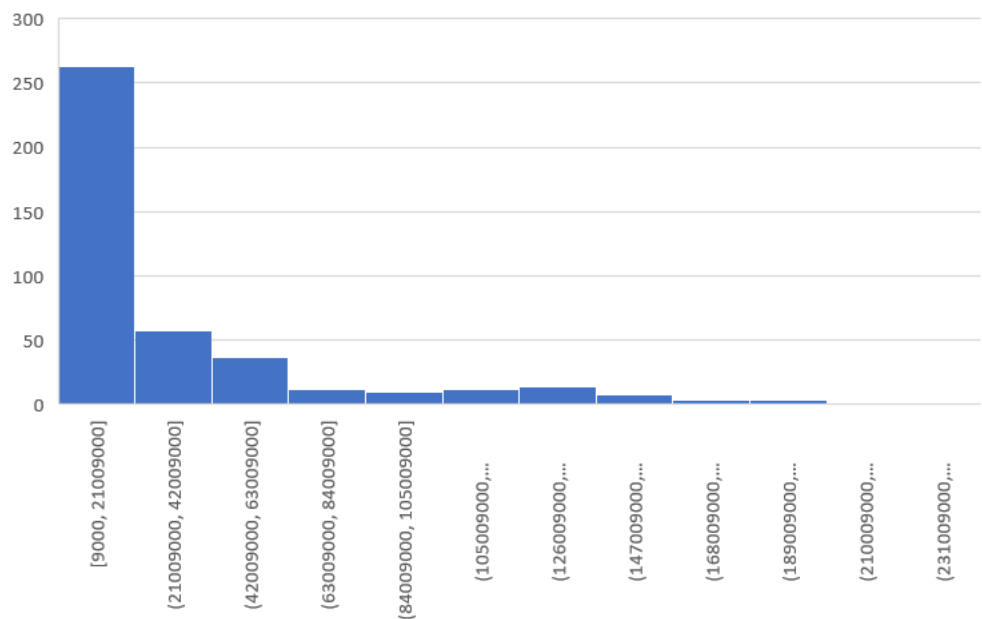
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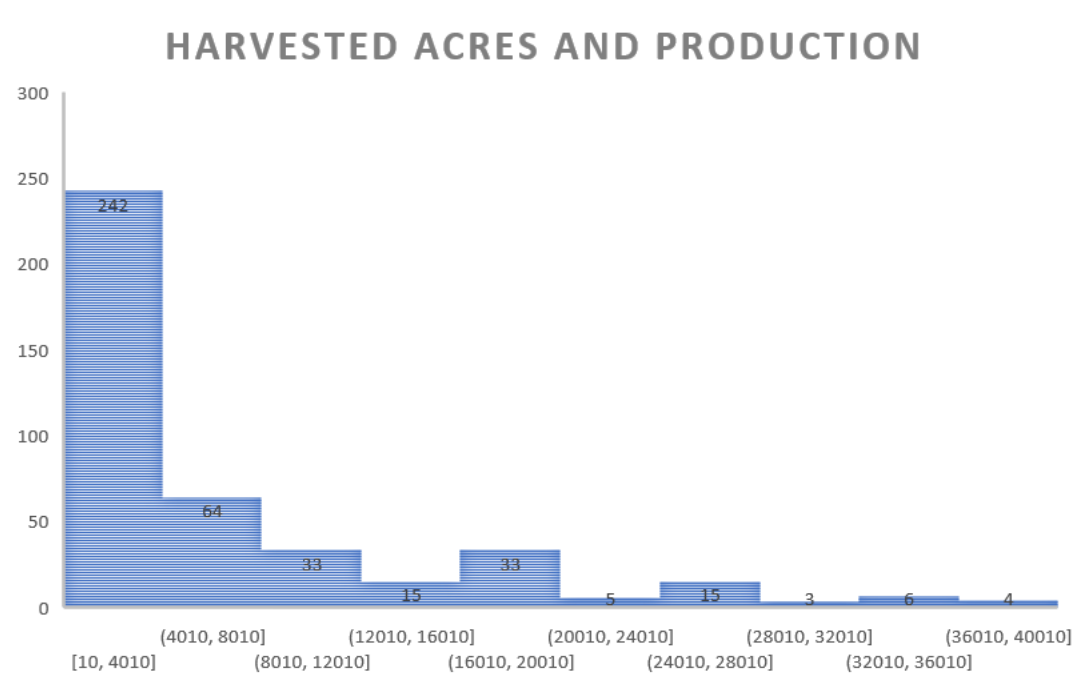
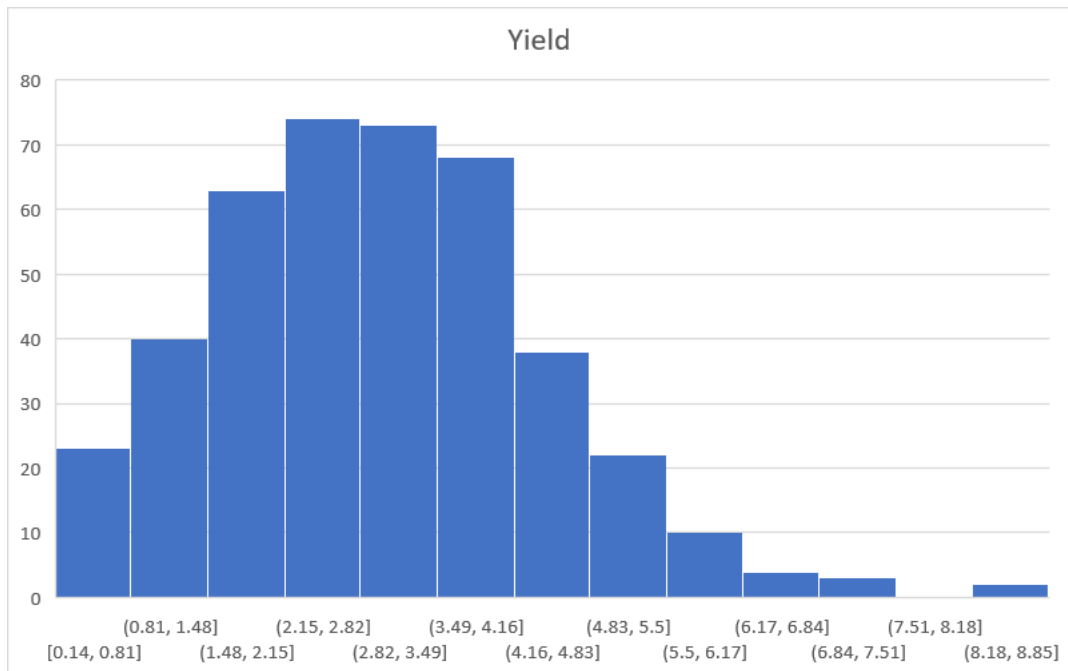


Price P/U

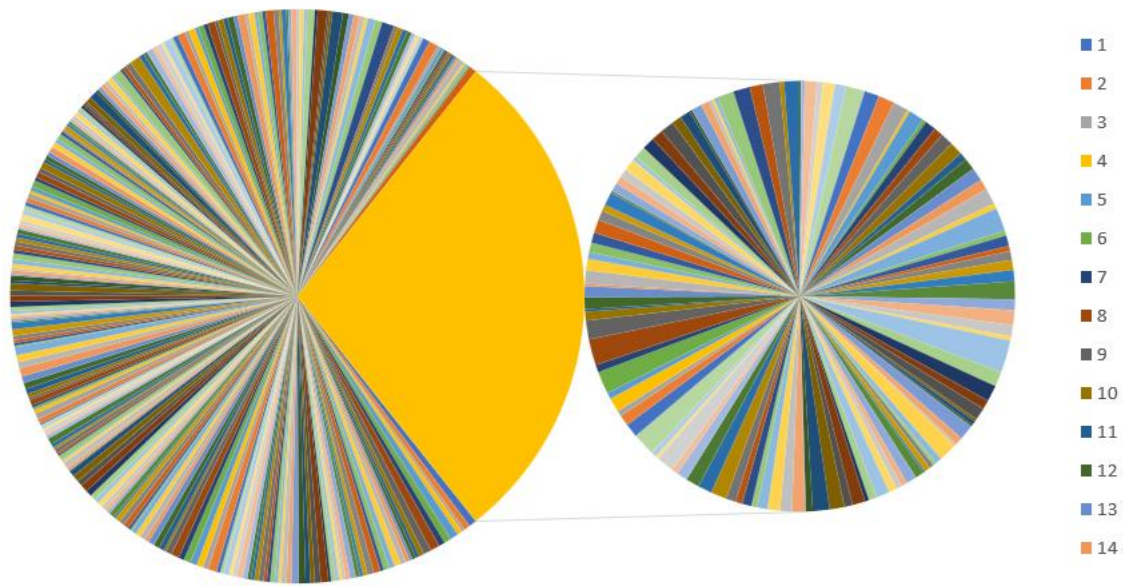


Value

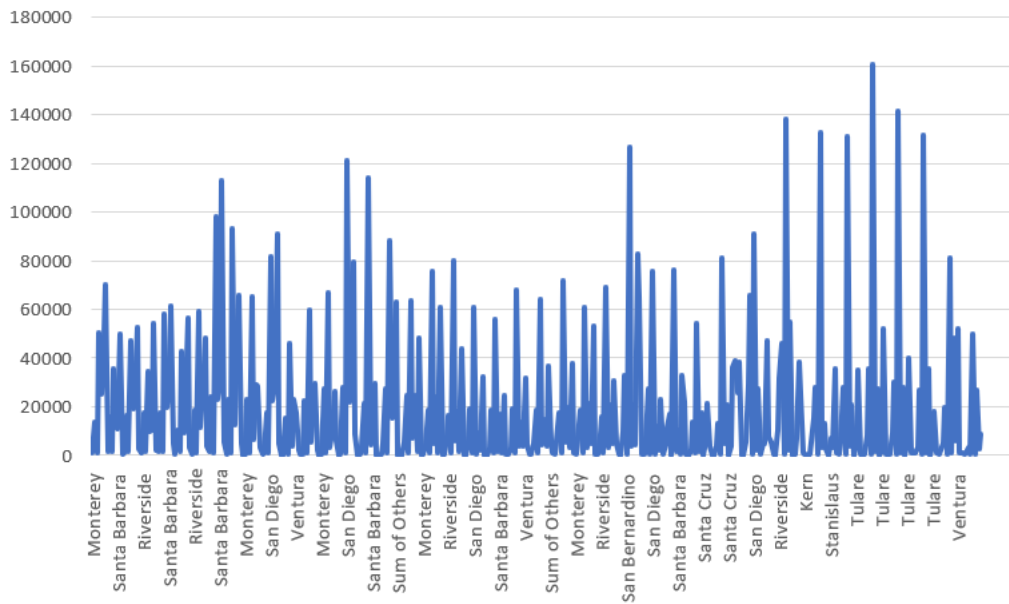




Yield And Value



County And Production



❖ **Conclusion:**

This report presents the results of research directed toward examination of the effects of CAC advertising and promotion programs on the demand (and price) for California avocados over the period from 1961-62 through 1994-95. Annual demand and supply response relationships were estimated, with generally good results as measured by standard statistical tests and concurrence with theoretical expectations.