Avocado Prices Report(SQL Analysis).

-- Viewing the whole dataset.

SELECT \* FROM `newproject-377218.Avocado\_Report.Avocado\_report `

-- Counting total number of rows.

SELECT COUNT(int64\_field\_0) as Total\_rows

FROM `newproject-377218.Avocado\_Report.Avocado\_report `;

-- Viewing different types of Avocados.

SELECT DISTINCT(type)

FROM `newproject-377218.Avocado\_Report.Avocado\_report `;

-- Viewing the years from which the data is presented.

SELECT DISTINCT(year)

FROM `newproject-377218.Avocado\_Report.Avocado\_report `;

-- Total number of Avocados from both the type.

SELECT 'coventional',

COUNT(type) AS Total\_no\_of\_different\_Avocado\_types

FROM `newproject-377218.Avocado\_Report.Avocado\_report `

WHERE type = "conventional"

UNION ALL

SELECT 'organic',

COUNT(type)

FROM `newproject-377218.Avocado\_Report.Avocado\_report `

WHERE type = "organic";

--Count of total number of avocados sold from different years.

SELECT '2015',

COUNT(year)

FROM `newproject-377218.Avocado\_Report.Avocado\_report `

WHERE year = 2015

UNION ALL

SELECT '2016',

COUNT(year)

FROM `newproject-377218.Avocado\_Report.Avocado\_report `

WHERE year = 2016

UNION ALL

SELECT '2017',

COUNT(year)

FROM `newproject-377218.Avocado\_Report.Avocado\_report `

WHERE year = 2017

UNION ALL

SELECT '2018',

COUNT(year)

FROM `newproject-377218.Avocado\_Report.Avocado\_report `

WHERE year = 2018;

-- Summary Statistics.

SELECT 'TOTAL',

    SUM(AveragePrice) AS stats\_of\_AveragePrice\_of\_Avocados,

    SUM(Total\_Volume) AS stats\_of\_Total\_Number\_of\_Avocados\_sold,

    SUM(\_4046) AS stats\_of\_4046\_Avocados\_sold,

    SUM(\_4225) AS stats\_of\_4225\_Avocados\_sold,

    SUM(\_4770) AS Stats\_of\_4770\_Avocados\_sold,

    SUM(Total\_Bags) AS stats\_of\_Total\_Bags\_Sold,

    SUM(Small\_Bags) AS stats\_of\_Small\_Bags\_Sold,

    SUM(Large\_Bags) AS stats\_of\_Large\_Bags\_sold,

    SUM(XLarge\_Bags) AS stats\_of\_XLarge\_Bags\_sold

FROM `newproject-377218.Avocado\_Report.Avocado\_report `

UNION ALL

SELECT 'AVERAGE',

    AVG(AveragePrice),

    AVG(Total\_Volume),

    AVG(\_4046),

    AVG(\_4225),

    AVG(\_4770),

    AVG(Total\_Bags),

    AVG(Small\_Bags),

    AVG(Large\_Bags),

    AVG(XLarge\_Bags)

FROM `newproject-377218.Avocado\_Report.Avocado\_report `

UNION ALL

SELECT 'MIN',

    MIN(AveragePrice),

    MIN(Total\_Volume),

    MIN(\_4046),

    MIN(\_4225),

    MIN(\_4770),

    MIN(Total\_Bags),

    MIN(Small\_Bags),

    MIN(Large\_Bags),

    MIN(XLarge\_Bags)

FROM `newproject-377218.Avocado\_Report.Avocado\_report `

UNION ALL

SELECT 'MAX',

    MAX(AveragePrice),

    MAX(Total\_Volume),

    MAX(\_4046),

    MAX(\_4225),

    MAX(\_4770),

    MAX(Total\_Bags),

    MAX(Small\_Bags),

    MAX(Large\_Bags),

    MAX(XLarge\_Bags)

FROM `newproject-377218.Avocado\_Report.Avocado\_report `