

Case Study 2 36 Years Gold Prices Q1 Solution

You need to calculate Monthly Average price of Gold in US Dollars and Annual Descriptives for all the 36 years. You can get this information with ease using Field Settings option of a Row Field.

First place cursor in any cell where source data is located, then click Insert Tab on Menu bar and click PivotTable button. Create PivotTable dialogue box is displayed. Check whether the data is correctly selected and choose New Worksheet to place PivotTable report. Click OK.

Drag Date to Row Labels and US Dollar to Values. Click the list arrow on Sum of US Dollars. From the popup menu click Value Field Settings. Value Field Settings dialogue appears. From Summarize value field by options select **Average**, then click Number Format tab, Format Cells dialogue box is displayed, select **number** and click OK. Once again click OK.

Now place cursor on any cell on Row Labels, from **Group** Ribbon options click **Group Selection** tab, Grouping dialogue box appears on the screen. By default excel includes **Starting at** and **Ending at** dates. Move to **By options**. To group your data by Years and Months, click on **Years** and **Months** and click **OK**. Your grouping is done.

To get the descriptives statistics for 36 years, click the list arrow on Years Field in Row Labels, from the popup menu select Field Settings, Field Setting dialogue box is displayed on screen, in Subtotals option click Custom, and in select one or more functions, select Count, Average, Max, Min, and Stdev.

Next click Layout & Print tab to display your Pivot report in Tabular form, select Show Item Labels in tabular form, and select Insert blank line after each item label, this option adds blank rows after each item in Pivot report. Finally to print reports on separate pages, select Insert page break after each item. Then click Number Format tab, Format Cells dialogue box is displayed, select number and click OK. Once again click OK.

You can see annual descriptive statistics at the end of each year data. Click Design tab and add a design to your Pivot report. To check whether report is printed in different pages, click Office button, place cursor on Print, from popup options click Print Preview. You can see each year descriptives on different pages.

Case Study 2 36 Years Gold Prices Q2 Solution

As you need to find out the correlation among five years of Gold prices, first group the data on annual basis and filter the data to depict values only of 2011 to 2015. Then calculate the correlation using Data Analysis Toolpak.

Place cursor in any cell where source data is located, then click Insert Tab on Menu bar and click PivotTable button. Create PivotTable dialogue box is displayed. Check whether the data is correctly selected and choose New Worksheet to place PivotTable report. Click OK.

Drag Date to Row Labels and US Dollar to Values. Click the list arrow on Sum of US Dollars. From the popup menu click Value Field Settings. Value Field Settings dialogue appears. From Summarize value field by options select **Average**, then click Number Format, Format Cells dialogue box is displayed, select **number** and click OK. Once again click OK.

Now place cursor on any cell on Row Labels, from **Group** Ribbon options click **Group Selection** tab, Grouping dialogue box appears on the screen. By default excel includes **Starting at** and **Ending at** dates. Move to **By options**. To group your data by Years and Months, click on **Years** and **Months** and click **OK**. Your grouping is done.

You can see a new filed Years is added to Row Labels. From Row Labels drag Years to Column Labels.

To shortlist the desired years click the list arrow on Column Labels, from drop down list, uncheck select all, and select years 2011 to 2015. Click OK.

Now click Data tab on Menu bar, and click Data Analysis, Data Analysis dialogue box appears, from Analysis Tools select Correlation and click OK. Select source data using Input Range, don't forget to include labels. Click Labels in First Row option. Choose output range and click OK. Cross order correlation for the five years is calculated. You can see an inverse relationship in Gold Prices during the study period.