# b  nlknqfCode for Prompt 2

  Sub CreateDashboardCards()

    Dim ws As Worksheet

    Dim card As Shape

    Dim topPosition As Double

    Dim leftPosition As Doubledjknqodkjkdjsdjedjsxuijss hejasinsbhuwbsinkjnasnjnnjnasiuib

oasjjdoijjhoijjndqjnwequondnudjwjioejqndnjsxaniudisubuushqiuwdjqnsjkinwujinwnsiosnxjansuiasowq

jwdniqowenbhwqbdiuuqjiojqbqhisbx

    ' Create a new worksheet called "Dashboard"

    On Error Resume Next

    Set ws = ThisWorkbook.Sheets("Dashboard")

    If Not ws Is Nothing Then

        Application.DisplayAlerts = False

        ws.Delete

        Application.DisplayAlerts = True

    End If

    Set ws = ThisWorkbook.Sheets.Add

    ws.Name = "Dashboard"

    ' Format sheet: Remove gridlines and set background color

    With ws

        .Cells.Interior.Color = RGB(217, 217, 217) ' Set background color

    End With

    ' Hide gridlines (using ActiveWindow method for Excel 2013)

    ActiveWindow.DisplayGridlines = False

    ' Card 1 to Card 6 (Row 5)

    topPosition = 72 ' Start from row 5, which is about 72 pixels

    leftPosition = 12 ' Start with 12 pixels from the left for the first card

    ' Card 1

    Set card = ws.Shapes.AddShape(msoShapeRoundedRectangle, leftPosition, topPosition, 1.65 \* 72, 0.75 \* 72)

    card.Fill.BackColor.RGB = RGB(255, 255, 255) ' White fill

    card.Line.Visible = msoFalse ' No border

    card.Adjustments.Item(1) = 0.05 ' Border radius

    card.Name = "cfilters"

    card.Top = topPosition

    card.Left = leftPosition

    leftPosition = leftPosition + 1.65 \* 72 + 12 ' Update left position with margin

    ' Card 2

    Set card = ws.Shapes.AddShape(msoShapeRoundedRectangle, leftPosition, topPosition, 2# \* 72, 0.75 \* 72)

    card.Fill.BackColor.RGB = RGB(255, 255, 255)

    card.Line.Visible = msoFalse

    card.Adjustments.Item(1) = 0.05

    card.Name = "ctsales"

    card.Top = topPosition

    card.Left = leftPosition

    leftPosition = leftPosition + 2# \* 72 + 12

    ' Card 3

    Set card = ws.Shapes.AddShape(msoShapeRoundedRectangle, leftPosition, topPosition, 2# \* 72, 0.75 \* 72)

    card.Fill.BackColor.RGB = RGB(255, 255, 255)

    card.Line.Visible = msoFalse

    card.Adjustments.Item(1) = 0.05

    card.Name = "ctmargin"

    card.Top = topPosition

    card.Left = leftPosition

    leftPosition = leftPosition + 2# \* 72 + 12

    ' Card 4

    Set card = ws.Shapes.AddShape(msoShapeRoundedRectangle, leftPosition, topPosition, 2# \* 72, 0.75 \* 72)

    card.Fill.BackColor.RGB = RGB(255, 255, 255)

    card.Line.Visible = msoFalse

    card.Adjustments.Item(1) = 0.05

    card.Name = "cpmargin"

    card.Top = topPosition

    card.Left = leftPosition

    leftPosition = leftPosition + 2# \* 72 + 12

    ' Card 5

    Set card = ws.Shapes.AddShape(msoShapeRoundedRectangle, leftPosition, topPosition, 3.8 \* 72, 0.75 \* 72)

    card.Fill.BackColor.RGB = RGB(255, 255, 255)

    card.Line.Visible = msoFalse

    card.Adjustments.Item(1) = 0.05

    card.Name = "ccustcount"

    card.Top = topPosition

    card.Left = leftPosition

    leftPosition = leftPosition + 3.8 \* 72 + 12

    ' Card 6

    Set card = ws.Shapes.AddShape(msoShapeRoundedRectangle, leftPosition, topPosition, 2.5 \* 72, 5.3 \* 72)

    card.Fill.BackColor.RGB = RGB(255, 255, 255)

    card.Line.Visible = msoFalse

    card.Adjustments.Item(1) = 0.05

    card.Name = "ctop10"

    card.Top = topPosition

    card.Left = leftPosition

    leftPosition = leftPosition + 2.5 \* 72 + 12

    ' Card 7 to Card 9 (Row 6)

    topPosition = topPosition + 2.1 \* 72 + 12 ' Move to next row

    leftPosition = 12 ' Reset left position

    ' Card 7

    Set card = ws.Shapes.AddShape(msoShapeRoundedRectangle, leftPosition, topPosition, 6.6 \* 72, 2.1 \* 72)

    card.Fill.BackColor.RGB = RGB(255, 255, 255)

    card.Line.Visible = msoFalse

    card.Adjustments.Item(1) = 0.03

    card.Name = "csalestrend"

    card.Top = topPosition

    card.Left = leftPosition

    leftPosition = leftPosition + 6.6 \* 72 + 12

    ' Card 8

    Set card = ws.Shapes.AddShape(msoShapeRoundedRectangle, leftPosition, topPosition, 2.6 \* 72, 2.1 \* 72)

    card.Fill.BackColor.RGB = RGB(255, 255, 255)

    card.Line.Visible = msoFalse

    card.Adjustments.Item(1) = 0.03

    card.Name = "ccustsource"

    card.Top = topPosition

    card.Left = leftPosition

    leftPosition = leftPosition + 2.6 \* 72 + 12

    ' Card 9

    Set card = ws.Shapes.AddShape(msoShapeRoundedRectangle, leftPosition, topPosition, 2.6 \* 72, 2.1 \* 72)

    card.Fill.BackColor.RGB = RGB(255, 255, 255)

    card.Line.Visible = msoFalse

    card.Adjustments.Item(1) = 0.03

    card.Name = "csalescity"

    card.Top = topPosition

    card.Left = leftPosition

    leftPosition = leftPosition + 2.6 \* 72 + 12

    ' Card 10 to Card 12 (Row 7)

    topPosition = topPosition + 2.1 \* 72 + 12 ' Move to next row

    leftPosition = 12 ' Reset left position

    ' Card 10

    Set card = ws.Shapes.AddShape(msoShapeRoundedRectangle, leftPosition, topPosition, 4.1 \* 72, 2.1 \* 72)

    card.Fill.BackColor.RGB = RGB(255, 255, 255)

    card.Line.Visible = msoFalse

    card.Adjustments.Item(1) = 0.03

    card.Name = "csalesservice"

    card.Top = topPosition

    card.Left = leftPosition

    leftPosition = leftPosition + 4.1 \* 72 + 12

    ' Card 11

    Set card = ws.Shapes.AddShape(msoShapeRoundedRectangle, leftPosition, topPosition, 2.5 \* 72, 2.1 \* 72)

    card.Fill.BackColor.RGB = RGB(255, 255, 255)

    card.Line.Visible = msoFalse

    card.Adjustments.Item(1) = 0.03

    card.Name = "cdeptmargin"

    card.Top = topPosition

    card.Left = leftPosition

    leftPosition = leftPosition + 2.5 \* 72 + 12

    ' Card 12

    Set card = ws.Shapes.AddShape(msoShapeRoundedRectangle, leftPosition, topPosition, 5# \* 72, 2.1 \* 72)

    card.Fill.BackColor.RGB = RGB(255, 255, 255)

    card.Line.Visible = msoFalse

    card.Adjustments.Item(1) = 0.03

    card.Name = "cnewrepeat"

    card.Top = topPosition

    card.Left = leftPosition

End Sub

# Code for Prompt 3

Sub GeneratePivotTables()

    Dim wsData As Worksheet

    Dim wsPivot As Worksheet

    Dim ptCache As PivotCache

    Dim pt As PivotTable

    Dim startRow As Long

    ' Set references to sheets

    Set wsData = ThisWorkbook.Sheets("Data")

    Set wsPivot = ThisWorkbook.Sheets("Pivot")

    ' Clear existing pivot tables on the Pivot sheet

    wsPivot.Cells.Clear

    ' Set the starting row for placing pivot tables

    startRow = 1

    ' Create Pivot Table 1: totalsales

    Set ptCache = ThisWorkbook.PivotCaches.Create(SourceType:=xlDatabase, sourceData:=wsData.ListObjects("salesdata").Range)

    Set pt = ptCache.CreatePivotTable(TableDestination:=wsPivot.Cells(startRow, 1), TableName:="totalsales")

    With pt

        .AddDataField .PivotFields("Sales Amount"), "Sum of Sales Amount", xlSum

    End With

    startRow = startRow + pt.TableRange2.Rows.Count + 2

    ' Create Pivot Table 2: totalmargin

    Set ptCache = ThisWorkbook.PivotCaches.Create(SourceType:=xlDatabase, sourceData:=wsData.ListObjects("salesdata").Range)

    Set pt = ptCache.CreatePivotTable(TableDestination:=wsPivot.Cells(startRow, 1), TableName:="totalmargin")

    With pt

        .AddDataField .PivotFields("Margin Amount"), "Sum of Margin Amount", xlSum

    End With

    startRow = startRow + pt.TableRange2.Rows.Count + 2

    ' Create Pivot Table 3: customerscount

    Set ptCache = ThisWorkbook.PivotCaches.Create(SourceType:=xlDatabase, sourceData:=wsData.ListObjects("salesdata").Range)

    Set pt = ptCache.CreatePivotTable(TableDestination:=wsPivot.Cells(startRow, 1), TableName:="customerscount")

    With pt

        .PivotFields("Sale Type").Orientation = xlRowField

        .AddDataField .PivotFields("Customer Name"), "Count of Customer Name", xlCount

    End With

    startRow = startRow + pt.TableRange2.Rows.Count + 2I want to create cards in excel on which I will place the charts to create a dashboard.

Use “Rounded Rectangle” inside excel [Insert Shapes] menu to create cards as follows;

Create cards 1,2,3,4,5,6 horizontally side by side in a single row.

* Card 1: Height 0.75 Inch Width 1.65 inch
* Card 2: Height 0.75 Inch Width 2.0 inch
* Card 3: Height 0.75 Inch Width 2.0 inch
* Card 4: Height 0.75 Inch Width 2.0 inch
* Card 5: Height 0.75 Inch Width 3.8 inch
* Card 6: Height 5.30 Inch Width 2.5 Inch

Create cards 7,8,9 below cards 1,2,3,4,5 horizontally side by side in a single row.

* Card 7: Height 2.1 Inch Width 6.6 inch
* Card 8: Height 2.1 Inch Width 2.6 inch
* Card 9: Height 2.1 Inch Width 2.6 inch

Create cards 10,11,12 below cards 7,8,9 horizontally side by side in a single row.

* Card 10: Height 2.1 Inch Width 4.1 inch
* Card 11: Height 2.1 Inch Width 2.5 inch
* Card 12: Height 2.1 Inch Width 5.0 inch

Cards formatting:

* White Fill
* No Border
* Border radius = 0.03
* Margin Top, Bottom, Left, Right = 12 pixels.

Rename Cards:

Using “Selection Pane” menu, rename each card as follows;

Card1 = cfilters

Card2 =ctsales

Card3 =ctmargin

Card4 =cpmargin

Card5 = ccustcount

Card6 = ctop10

Card7 = csalestrend

Card8 = ccustsource

Card9 = csalescity

Card10 = csalesservice

Card11 = cdeptmargin

Card12 = cnewrepeat

Sheet Formatting:

* Remove all gridlines from the entirefrom entire sheet and fill entire sheet with rgb 217,217,217 color.
* Ignore print area / margins and let the cards overlap.
* Leave row 1 – 4 and start creating cards from row 5.

To do:

* Write me a VBA code so I can put it into the module and click the button to generate these cards.

ChatGPT Prompt 3: Generate Pivot Tables for Dashboard

I am building an excel dashboard and I have the dataset on the sheet named “Data”. Inside this I have a table named “emissionsdatasalesdata”.

I have created another blank sheet named “Pivot”.

You need to use the " emissions data " table inside the table “emissionsdatasalesdata” inside “Data” sheet and create the following pivot tables for me.

Pivot Table 1: Place “Sales Amount” in values field. Get “Sales Amount” from Column I in the “emissionsdatasalesdata” table inside the “Data” sheet. Rename the pivot table to “totalEmissionssales”.

Pivot Table 2: Place “Margin Amount” in values field. Get “Margin Amount” from Column K in the “emissionsdatasalesdata” table inside the “Data” sheet. Rename the pivot table to “totalmargin”.

Pivot Table 3: Place “Sale Type” in Row field and “Customer Name” in values vield. Get “Sale Type” from Column L and “Customer Name” from Column D in the “emissionsdatasalesdata” table inside the “Data” sheet. Rename the pivot table to “customerscount”.

Pivot Table 4: Place “Year” and “Month” in row field and “Sales Amount” in the values field. Get “Year” from Column C, “Month” from column B and “Sales Amount” from column I in the “emissionsdatasalesdata” table inside the “Data” sheet. Rename the pivot table to “salestrend”.

Pivot Table 5: Place “Year” in row field, “Customer Source” in column field and “Sales Amount” in the values field. Get “Year” from Column C, “Customer Source” from Column M and “Sales Amount” from column I in the “emissionsdatasalesdata” table inside the “Data” sheet. Rename the pivot table to “customersource”.

Pivot Table 6: Place “City” in row field and “Sales Amount” in the values field. Get “City” from column H, “Sales Amount” from column I in the “emissionsdatasalesdata” table inside the “Data” sheet. Rename the pivot table to “salesbycity”.

Pivot Table 7: Place “Customer Name” in row field and “Sales Amount” in the values field. Get “Customer Name” from Column D, and “Sales Amount” from column I in the “emissionsdatasalesdata” table inside the “Data” sheet. Rename the pivot table to “top10”.

Pivot Table 8: Place “Service” in row field and “Sales Amount” in the values field. Get “Service” from column F and “Sales Amount” from column I in the “emissionsdatasalesdata” table inside the “Data” sheet. Rename the pivot table to “salesbyservice”.

Pivot Table 9: Place “Department” in row field and “Margin Amount” in the values field. Get “Department” from column G and “Margin Amount” from column K in the “emissionsdatasalesdata” table inside the “Data” sheet. Rename the pivot table to “departmentmargin”.

Pivot Table 10: Place “Year” and “Month” in row field, “Sale Type” in column field and “Sales Amount” in values field. Get “Year” from Column C, “Month” from column B and “Sale Type” from column L in the “emissionsdatasalesdata” table inside the “Data” sheet. Rename the pivot table to “newvsrepeat”.

- Write VBA to create pivot tables that I can insert in module and click the button to generate pivot tables.

- Create all these pivot tables on the existing sheet named “Pivot”. Get all the data from the sheet named “Data”.

- After creating first pivot table, start creating next pivot table after the gap of one row.

- I am using excel 2013 so please use supported objects, classes and properties.

- Name the sub GeneratePivotTables.

    ' Create Pivot Table 4: totalmargin (again)

    Set ptCache = ThisWorkbook.PivotCaches.Create(SourceType:=xlDatabase, sourceData:=wsData.ListObjects("salesdata").Range)

    Set pt = ptCache.CreatePivotTable(TableDestination:=wsPivot.Cells(startRow, 1), TableName:="totalmargin2")

    With pt

        .AddDataField .PivotFields("Margin Amount"), "Sum of Margin Amount", xlSum

    End With

    startRow = startRow + pt.TableRange2.Rows.Count + 2

    ' Create Pivot Table 5: salestrend

    Set ptCache = ThisWorkbook.PivotCaches.Create(SourceType:=xlDatabase, sourceData:=wsData.ListObjects("salesdata").Range)

    Set pt = ptCache.CreatePivotTable(TableDestination:=wsPivot.Cells(startRow, 1), TableName:="salestrend")

    With pt

        .PivotFields("Year").Orientation = xlRowField

        .PivotFields("Month").Orientation = xlRowField

        .AddDataField .PivotFields("Sales Amount"), "Sum of Sales Amount", xlSum

    End With

    startRow = startRow + pt.TableRange2.Rows.Count + 2

    ' Create Pivot Table 6: customersource

    Set ptCache = ThisWorkbook.PivotCaches.Create(SourceType:=xlDatabase, sourceData:=wsData.ListObjects("salesdata").Range)

    Set pt = ptCache.CreatePivotTable(TableDestination:=wsPivot.Cells(startRow, 1), TableName:="customersource")

    With pt

        .PivotFields("Year").Orientation = xlRowField

        .PivotFields("Customer Source").Orientation = xlColumnField

        .AddDataField .PivotFields("Sales Amount"), "Sum of Sales Amount", xlSum

    End With

    startRow = startRow + pt.TableRange2.Rows.Count + 2

    ' Create Pivot Table 7: salesbycity

    Set ptCache = ThisWorkbook.PivotCaches.Create(SourceType:=xlDatabase, sourceData:=wsData.ListObjects("salesdata").Range)

    Set pt = ptCache.CreatePivotTable(TableDestination:=wsPivot.Cells(startRow, 1), TableName:="salesbycity")

    With pt

        .PivotFields("City").Orientation = xlRowField

        .AddDataField .PivotFields("Sales Amount"), "Sum of Sales Amount", xlSum

    End With

    startRow = startRow + pt.TableRange2.Rows.Count + 2

    ' Create Pivot Table 8: top10

    Set ptCache = ThisWorkbook.PivotCaches.Create(SourceType:=xlDatabase, sourceData:=wsData.ListObjects("salesdata").Range)

    Set pt = ptCache.CreatePivotTable(TableDestination:=wsPivot.Cells(startRow, 1), TableName:="top10")

    With pt

        .PivotFields("Customer Name").Orientation = xlRowField

        .AddDataField .PivotFields("Sales Amount"), "Sum of Sales Amount", xlSum

    End With

    startRow = startRow + pt.TableRange2.Rows.Count + 2

    ' Create Pivot Table 9: salesbyservice

    Set ptCache = ThisWorkbook.PivotCaches.Create(SourceType:=xlDatabase, sourceData:=wsData.ListObjects("salesdata").Range)

    Set pt = ptCache.CreatePivotTable(TableDestination:=wsPivot.Cells(startRow, 1), TableName:="salesbyservice")

    With pt

        .PivotFields("Service").Orientation = xlRowField

        .AddDataField .PivotFields("Sales Amount"), "Sum of Sales Amount", xlSum

    End With

    startRow = startRow + pt.TableRange2.Rows.Count + 2

    ' Create Pivot Table 10: departmentmargin

    Set ptCache = ThisWorkbook.PivotCaches.Create(SourceType:=xlDatabase, sourceData:=wsData.ListObjects("salesdata").Range)

    Set pt = ptCache.CreatePivotTable(TableDestination:=wsPivot.Cells(startRow, 1), TableName:="departmentmargin")

    With pt

        .PivotFields("Department").Orientation = xlRowField

        .AddDataField .PivotFields("Margin Amount"), "Sum of Margin Amount", xlSum

    End With

    startRow = startRow + pt.TableRange2.Rows.Count + 2

    ' Create Pivot Table 11: newvsrepeat

    Set ptCache = ThisWorkbook.PivotCaches.Create(SourceType:=xlDatabase, sourceData:=wsData.ListObjects("salesdata").Range)

    Set pt = ptCache.CreatePivotTable(TableDestination:=wsPivot.Cells(startRow, 1), TableName:="newvsrepeat")

    With pt

        .PivotFields("Year").Orientation = xlRowField

        .PivotFields("Month").Orientation = xlRowField

        .PivotFields("Sale Type").Orientation = xlColumnField

        .AddDataField .PivotFields("Sales Amount"), "Sum of Sales Amount", xlSum

    End With

    MsgBox "Pivot tables created successfully!", vbInformation

End Sub

# Code for Prompt 4

cccPublic Sub CreateDashboardCharts()

    On Error Resume Next

    Dim wsP As Worksheet

    Dim wsD As Worksheet

    Dim pt As PivotTable

    Dim shp As Shape

    Dim cht As ChartObject

    Set wsP = ThisWorkbook.Sheets("Pivot")

    Set wsD = ThisWorkbook.Sheets("Dashboard")

    ' Delete existing charts on Dashboard sheet

    For Each cht In wsD.ChartObjects

        cht.Delete

    Next cht

    ' 1. Sales Trend Chart

    Set pt = wsP.PivotTables("salestrend")

    Set cht = wsD.ChartObjects.Add( \_

        Left:=wsD.Shapes("csalestrend").Left + (wsD.Shapes("csalestrend").width \* 0.05), \_

        Top:=wsD.Shapes("csalestrend").Top + (wsD.Shapes("csalestrend").height \* 0.1), \_

        width:=wsD.Shapes("csalestrend").width \* 0.9, \_

        height:=wsD.Shapes("csalestrend").height \* 0.8)

    With cht.Chart

        .ChartType = xlLineMarkers

        .SetSourceData pt.TableRange1

         .ChartTitle.Delete

        With .SeriesCollection(1)

            .Format.Line.Weight = 1.75

            .Format.Line.ForeColor.RGB = RGB(0, 32, 96)

            .MarkerBackgroundColor = RGB(255, 255, 255)

            .MarkerForegroundColor = RGB(0, 32, 96)

            .MarkerSize = 5

            .HasDropLines = True

            .MarkerStyle = xlMarkerStyleCircle

        End With

        Call FormatChartGeneral(cht.Chart)

    End With

    ' 2. Customer Source Chart

    Set pt = wsP.PivotTables("customersource")

    Set cht = wsD.ChartObjects.Add( \_

        Left:=wsD.Shapes("ccustsource").Left + (wsD.Shapes("ccustsource").width \* 0.05), \_

        Top:=wsD.Shapes("ccustsource").Top + (wsD.Shapes("ccustsource").height \* 0.1), \_

        width:=wsD.Shapes("ccustsource").width \* 0.9, \_

        height:=wsD.Shapes("ccustsource").height \* 0.8)

    With cht.Chart

        .ChartType = xlBarStacked100

        .SetSourceData pt.TableRange1

        Dim i As Long

        For i = 1 To .SeriesCollection.Count

            .SeriesCollection(i).Format.Fill.ForeColor.RGB = RGB(0, 32 + (i \* 32), 96 + (i \* 32))

        Next i

        Call FormatChartGeneral(cht.Chart)

    End With

    ' 3. Sales by City Chart

    Set pt = wsP.PivotTables("salesbycity")

    Set cht = wsD.ChartObjects.Add( \_

        Left:=wsD.Shapes("csalescity").Left + (wsD.Shapes("csalescity").width \* 0.05), \_

        Top:=wsD.Shapes("csalescity").Top + (wsD.Shapes("csalescity").height \* 0.1), \_

        width:=wsD.Shapes("csalescity").width \* 0.9, \_

        height:=wsD.Shapes("csalescity").height \* 0.8)

    With cht.Chart

        .ChartType = xlDoughnut

        .SetSourceData pt.TableRange1

         .ChartTitle.Delete

        For i = 1 To .SeriesCollection(1).Points.Count

            .SeriesCollection(1).Points(i).ExplosionOffset = 3

            .SeriesCollection(1).Points(i).Format.Fill.ForeColor.RGB = RGB(0, 32 + (i \* 16), 96 + (i \* 16))

        Next i

        Call FormatChartGeneral(cht.Chart)

    End With

    ' 4. Top 10 Chart

    Set pt = wsP.PivotTables("top10")

    Set cht = wsD.ChartObjects.Add( \_

        Left:=wsD.Shapes("ctop10").Left + (wsD.Shapes("ctop10").width \* 0.05), \_

        Top:=wsD.Shapes("ctop10").Top + (wsD.Shapes("ctop10").height \* 0.1), \_

        width:=wsD.Shapes("ctop10").width \* 0.9, \_

        height:=wsD.Shapes("ctop10").height \* 0.8)

    With cht.Chart

        .ChartType = xlBarClustered

        .SetSourceData pt.TableRange1

        .SeriesCollection(1).Format.Fill.ForeColor.RGB = RGB(0, 32, 96)

        .ChartTitle.Delete

        Call FormatChartGeneral(cht.Chart)

    End With

    ' 5. Sales by Service Chart

    Set pt = wsP.PivotTables("salesbyservice")

    Set cht = wsD.ChartObjects.Add( \_

        Left:=wsD.Shapes("csalesservice").Left + (wsD.Shapes("csalesservice").width \* 0.05), \_

        Top:=wsD.Shapes("csalesservice").Top + (wsD.Shapes("csalesservice").height \* 0.1), \_

        width:=wsD.Shapes("csalesservice").width \* 0.9, \_

        height:=wsD.Shapes("csalesservice").height \* 0.8)

    With cht.Chart

        .ChartType = xl3DColumn

        .SetSourceData pt.TableRange1

        .SeriesCollection(1).Format.Fill.ForeColor.RGB = RGB(0, 32, 96)

        .RightAngleAxes = True

        Call FormatChartGeneral(cht.Chart)

        .ChartTitle.Delete

    End With

    ' 6. Department Margin Chart

    Set pt = wsP.PivotTables("departmentmargin")

    Set cht = wsD.ChartObjects.Add( \_

        Left:=wsD.Shapes("cdeptmargin").Left + (wsD.Shapes("cdeptmargin").width \* 0.05), \_

        Top:=wsD.Shapes("cdeptmargin").Top + (wsD.Shapes("cdeptmargin").height \* 0.1), \_

        width:=wsD.Shapes("cdeptmargin").width \* 0.9, \_

        height:=wsD.Shapes("cdeptmargin").height \* 0.8)

    With cht.Chart

        .ChartType = xlPie

        .SetSourceData pt.TableRange1

        .ChartTitle.Delete

        For i = 1 To .SeriesCollection(1).Points.Count

            .SeriesCollection(1).Points(i).ExplosionOffset = 3

            .SeriesCollection(1).Points(i).Format.Fill.ForeColor.RGB = RGB(0, 32 + (i \* 16), 96 + (i \* 16))

        Next i

        Call FormatChartGeneral(cht.Chart)

    End With

    ' 7. New vs Repeat Chart

    Set pt = wsP.PivotTables("newvsrepeat")

    Set cht = wsD.ChartObjects.Add( \_

        Left:=wsD.Shapes("cnewrepeat").Left + (wsD.Shapes("cnewrepeat").width \* 0.05), \_

        Top:=wsD.Shapes("cnewrepeat").Top + (wsD.Shapes("cnewrepeat").height \* 0.1), \_

        width:=wsD.Shapes("cnewrepeat").width \* 0.9, \_

        height:=wsD.Shapes("cnewrepeat").height \* 0.8)

    With cht.Chart

        .ChartType = xlLineMarkersStacked

        .SetSourceData pt.TableRange1

        .ChartTitle.Delete

        For i = 1 To .SeriesCollection.Count

            With .SeriesCollection(i)

                .Format.Line.ForeColor.RGB = RGB(0, 32 + (i \* 32), 96 + (i \* 32))

                .Format.Line.Weight = 1.5

                .MarkerBackgroundColor = RGB(255, 255, 255)

                .MarkerForegroundColor = RGB(0, 32 + (i \* 32), 96 + (i \* 32))

                .MarkerSize = 4

                .MarkerStyle = xlMarkerStyleCircle

                .Border.Weight = 2

            End With

        Next i

        Call FormatChartGeneral(cht.Chart)

    End With

    MsgBox "Charts have been created successfully!", vbInformation

End Sub

Private Sub FormatChartGeneral(cht As Chart)

    With cht

        .HasTitle = False

        .HasLegend = False

        ' Format chart area

        With .ChartArea

            .Format.Fill.Visible = False

            .Format.Line.Visible = False

        End With

        ' Format plot area

        .PlotArea.Format.Line.Visible = False

        ' Format axes if they exist

        On Error Resume Next

        With .Axes(xlCategory)

            .Format.Line.Visible = False

            .TickLabels.Font.Name = "Calibri"

            .TickLabels.Font.Size = 7

            .TickLabels.Font.Bold = True

            .TickLabels.Font.Color = RGB(0, 32, 96)

        End With

        With .Axes(xlValue)

            .TickLabels.Format.Line.Visible = False

            .TickLabels.Font.Name = "Calibri"

            .TickLabels.Font.Size = 7

            .TickLabels.Font.Bold = True

            .TickLabels.Font.Color = RGB(0, 32, 96)

            .NumberFormat = "#,##0"

        End With

        On Error GoTo 0        ' Hide field buttons

        ' Hide field buttons

        .ShowAllFieldButtons = False

    End With

End Sub