VBA code

```vba
 Sub GenerateEVReport()

Dim ws As Worksheet, reportWs As Worksheet

Dim dict As Object, cityDict As Object, makeDict As Object, modelDict As Object

Dim lastRow As Long, i As Long

Dim city As String, make As String, model As String, year As Integer

Dim maxCity As String, maxMake As String, maxModel As String

Dim maxCityCount As Long, maxMakeCount As Long, maxModelCount As Long

Dim yearDict As Object, key As Variant, rowNum As Integer


' Set data worksheet (change "Data" to your sheet name)

Set ws = ThisWorkbook.Sheets("EV_Data")


' Create a new worksheet for the report

On Error Resume Next

Set reportWs = ThisWorkbook.Sheets("EV_Report")

If reportWs Is Nothing Then

    Set reportWs = ThisWorkbook.Sheets.Add

    reportWs.Name = "EV_Report"

End If

On Error GoTo 0

reportWs.Cells.Clear


' Initialize dictionaries

Set dict = CreateObject("Scripting.Dictionary")

Set cityDict = CreateObject("Scripting.Dictionary")

Set makeDict = CreateObject("Scripting.Dictionary")
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Set modelDict = CreateObject("Scripting.Dictionary")

Set yearDict = CreateObject("Scripting.Dictionary")


' Find last row in data

lastRow = ws.Cells(Rows.Count, 1).End(xlUp).Row


' Loop through data to collect counts

For i = 2 To lastRow

    city = ws.Cells(i, 1).Value ' City (Column A)

    make = ws.Cells(i, 5).Value ' Make (Column E)

    model = ws.Cells(i, 6).Value ' Model (Column F)

    year = ws.Cells(i, 4).Value  ' Model Year (Column D)


    ' Count Cities

    If city <> "" Then

        If cityDict.Exists(city) Then

            cityDict(city) = cityDict(city) + 1

        Else

            cityDict.Add city, 1

        End If

    End If


    ' Count Makes

    If make <> "" Then

        If makeDict.Exists(make) Then

            makeDict(make) = makeDict(make) + 1

        Else

            makeDict.Add make, 1
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            End If

        End If


        ' Count Models
        If model <> "" Then

            If modelDict.Exists(model) Then

                modelDict(model) = modelDict(model) + 1

            Else

                modelDict.Add model, 1

            End If

        End If


        ' Count Year-wise Distribution
        If yearDict.Exists(year) Then

            yearDict(year) = yearDict(year) + 1

        Else

            yearDict.Add year, 1

        End If

    Next i


' Find Top Selling City
maxCityCount = 0

For Each key In cityDict.Keys

    If cityDict(key) > maxCityCount Then

        maxCityCount = cityDict(key)

        maxCity = key

    End If

Next key
```

```
' Find Most Popular Make
maxMakeCount = 0
For Each key In makeDict.Keys
    If makeDict(key) > maxMakeCount Then
        maxMakeCount = makeDict(key)
        maxMake = key
    End If
Next key


' Find Most Popular Model
maxModelCount = 0
For Each key In modelDict.Keys
    If modelDict(key) > maxModelCount Then
        maxModelCount = modelDict(key)
        maxModel = key
    End If
Next key


' Generate Report Output
reportWs.Range("A1").Value = "Electric Vehicles Analysis Report"
reportWs.Range("A1").Font.Bold = True
reportWs.Range("A1").Font.Size = 14


reportWs.Range("A3").Value = "Top Selling Region (City):"
reportWs.Range("B3").Value = maxCity
reportWs.Range("A4").Value = "Total Vehicles Sold in Top Region:"
reportWs.Range("B4").Value = maxCityCount
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    reportWs.Range("A6").Value = "Most Popular EV Make:"

    reportWs.Range("B6").Value = maxMake

    reportWs.Range("A7").Value = "Total Vehicles for Top Make:"

    reportWs.Range("B7").Value = maxMakeCount


    reportWs.Range("A9").Value = "Most Popular EV Model:"

    reportWs.Range("B9").Value = maxModel

    reportWs.Range("A10").Value = "Total Vehicles for Top Model:"

    reportWs.Range("B10").Value = maxModelCount


    ' Year-wise Distribution

    reportWs.Range("A12").Value = "Year-wise Vehicle Distribution:"

    reportWs.Range("A12").Font.Bold = True

    rowNum = 13

    For Each key In yearDict.Keys

        reportWs.Cells(rowNum, 1).Value = key

        reportWs.Cells(rowNum, 2).Value = yearDict(key)

        rowNum = rowNum + 1

    Next key


    ' AutoFit Columns

    reportWs.Columns("A:B").AutoFit


    ' Notify User

    MsgBox "Electric Vehicles Analysis Report generated successfully!", vbInformation,
"Report Completed"

End Sub
```