Microsoft Excel VBA and Macros

# **Project 3: Looping Formulas through All Sheets**

In this project we’ll start with creating two first for adding headers and another for formatting it. Then we move towards adding a VBA code for looping through all the sheets and automating our task.

## Step 1: Create a Copy of sheet to Record Macros

## Step 2: Record Macros for Adding Headers

### VBA Code For Adding Headers

*Sub AddHeaders()*

*'*

*' AddHeaders Macro*

*' This macro wil add headers to the worksheet...*

*'*

*Rows("1:1").Select*

*Selection.Insert Shift:=xlDown, CopyOrigin:=xlFormatFromLeftOrAbove*

*Range("A1").Select*

*ActiveCell.FormulaR1C1 = "Region"*

*Range("B1").Select*

*ActiveCell.FormulaR1C1 = "Category"*

*Range("C1").Select*

*ActiveCell.FormulaR1C1 = "Jan"*

*Range("D1").Select*

*ActiveCell.FormulaR1C1 = "Feb"*

*Range("E1").Select*

*ActiveCell.FormulaR1C1 = "Mar"*

*Range("F1").Select*

*ActiveCell.FormulaR1C1 = "Total"*

*Range("D3").Select*

*End Sub*

## Step 3: Record Macros for Formatting Headers

### VBA Code For Formatting Headers

*Sub FormatHeaders()*

*'*

*' FormatHeaders Macro*

*' This macro will edit and format headers...*

*'*

*Range("A1:F1").Select*

*Selection.Font.Bold = True*

*With Selection.Font*

*.ThemeColor = xlThemeColorDark1*

*.TintAndShade = -4.99893185216834E-02*

*End With*

*With Selection.Interior*

*.Pattern = xlSolid*

*.PatternColorIndex = xlAutomatic*

*.ThemeColor = xlThemeColorAccent1*

*.TintAndShade = -0.499984740745262*

*.PatternTintAndShade = 0*

*End With*

*End Sub*

## Step 4: Add a Final Looping VBA Code for Both

### VBA Code For Final Macro

*Public Sub CleanUpData()*

*Dim i As Integer*

*i = 1*

*Do While i <= Worksheets.Count*

*Worksheets(i).Select*

*AddHeaders*

*FormatHeaders*

*i = i + 1*

*Loop*

*End Sub*

## Step 4: Apply and Save Macros

* Developer > Code Block > Macros > Choose > Apply
* Click Save As > Change File Type > Save as Macros Enabled Worksheets