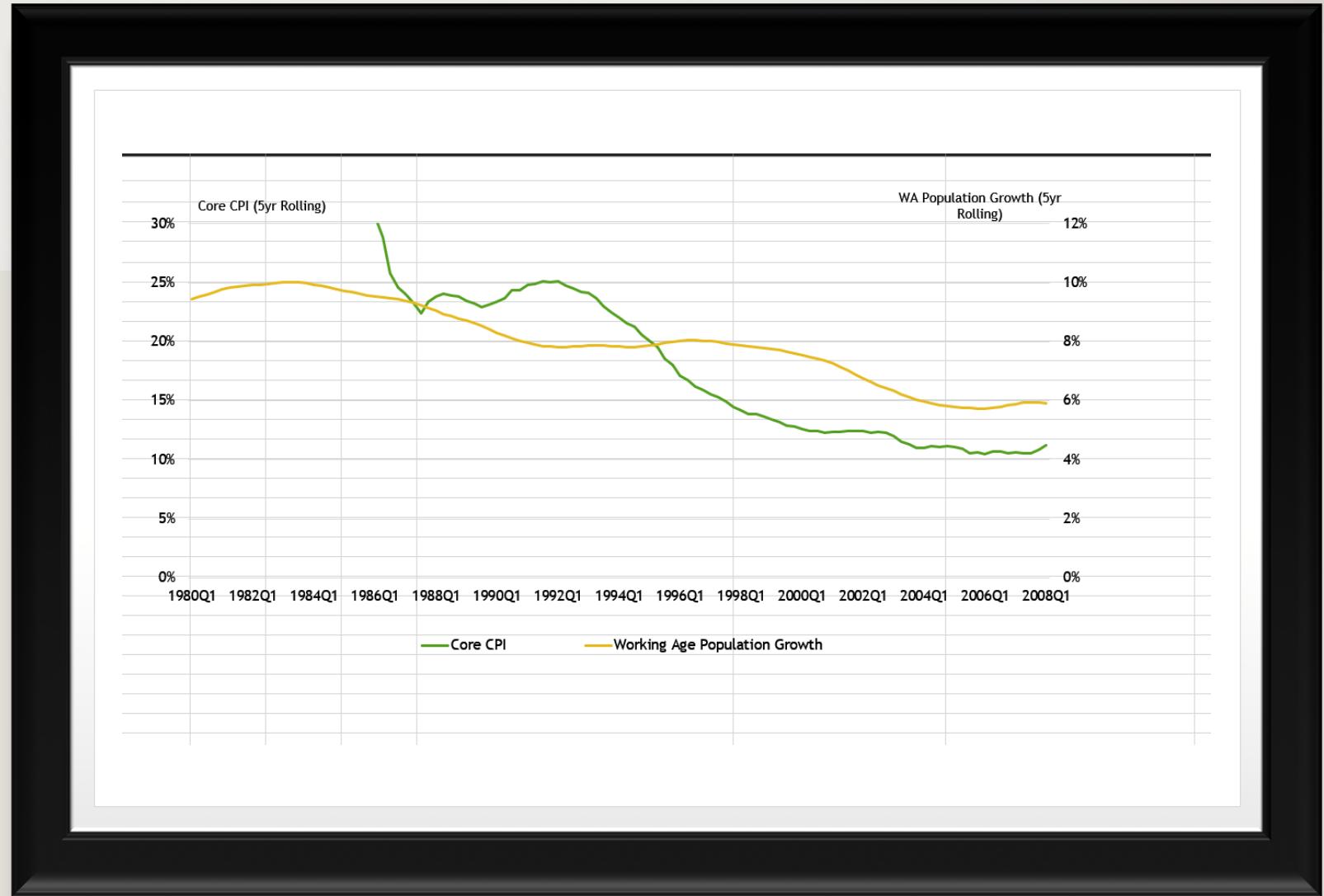

VBA Project Walkthrough



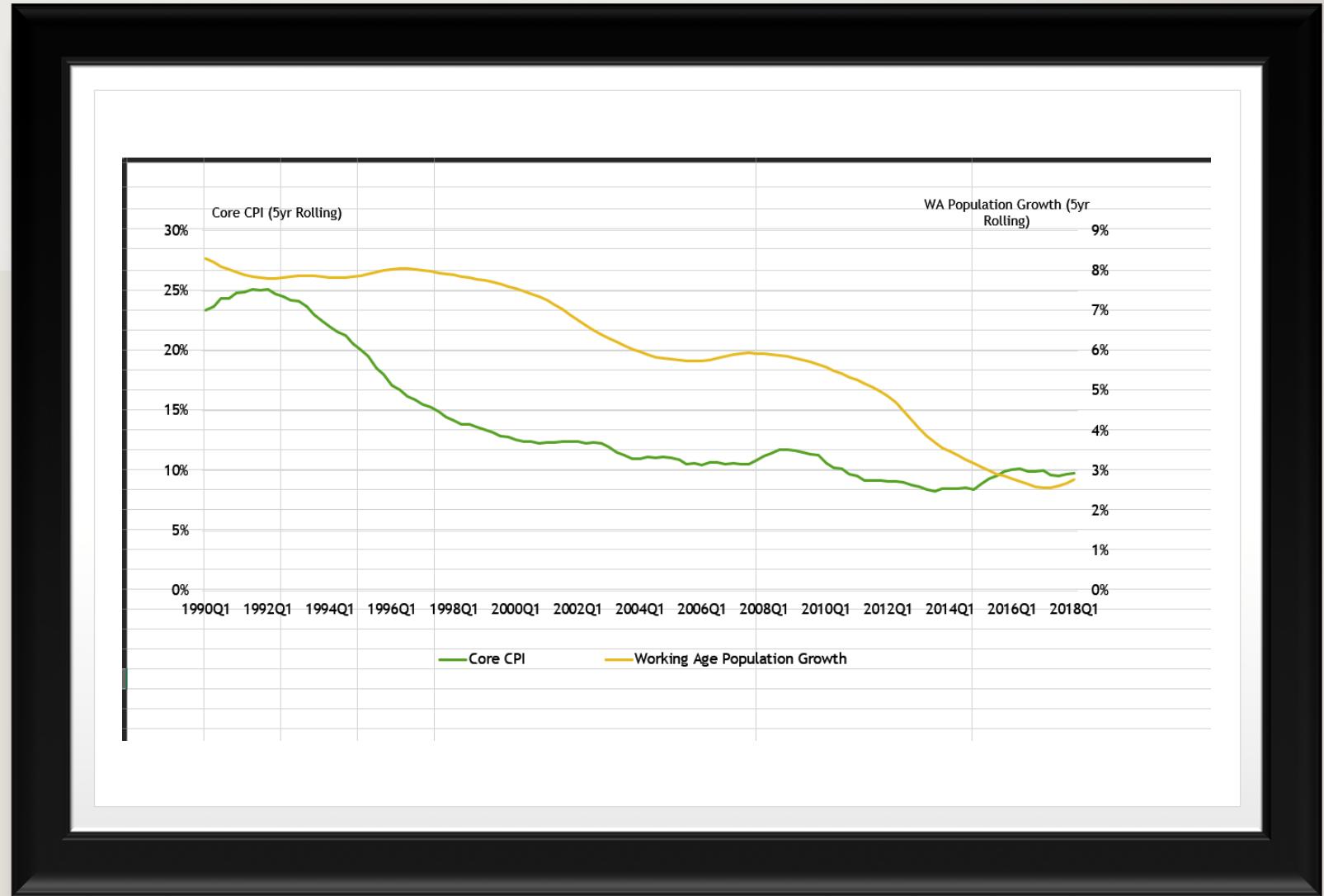
ORIGINAL CHART



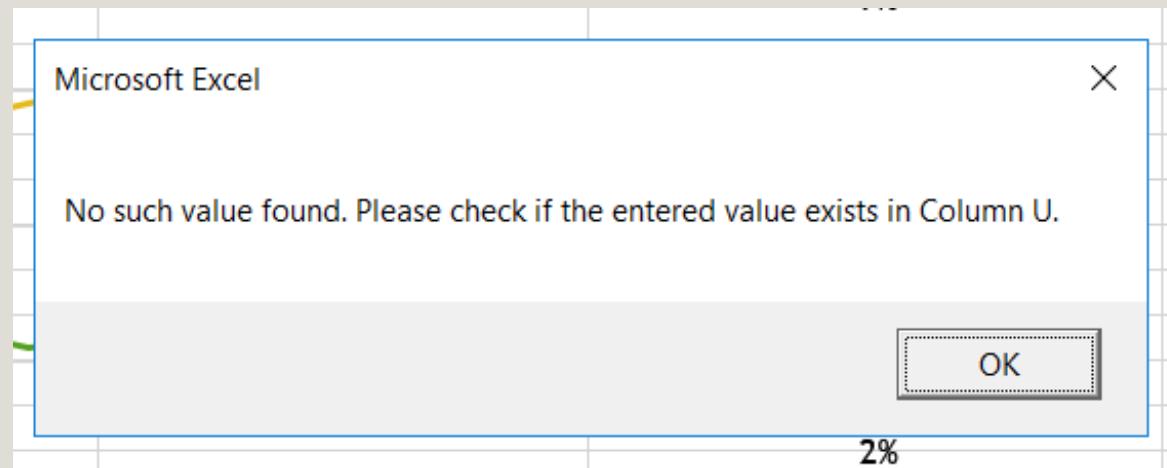
CHANGING CHART PROPERTIES...

J	K
Chart Properties	
Chart Range	
Start	1990Q1
End	2018Q1
Attributes	
Title	Demo Title
Subtitle	Demographics data per quarter
Source	Moody's Analytics

NEW CHART

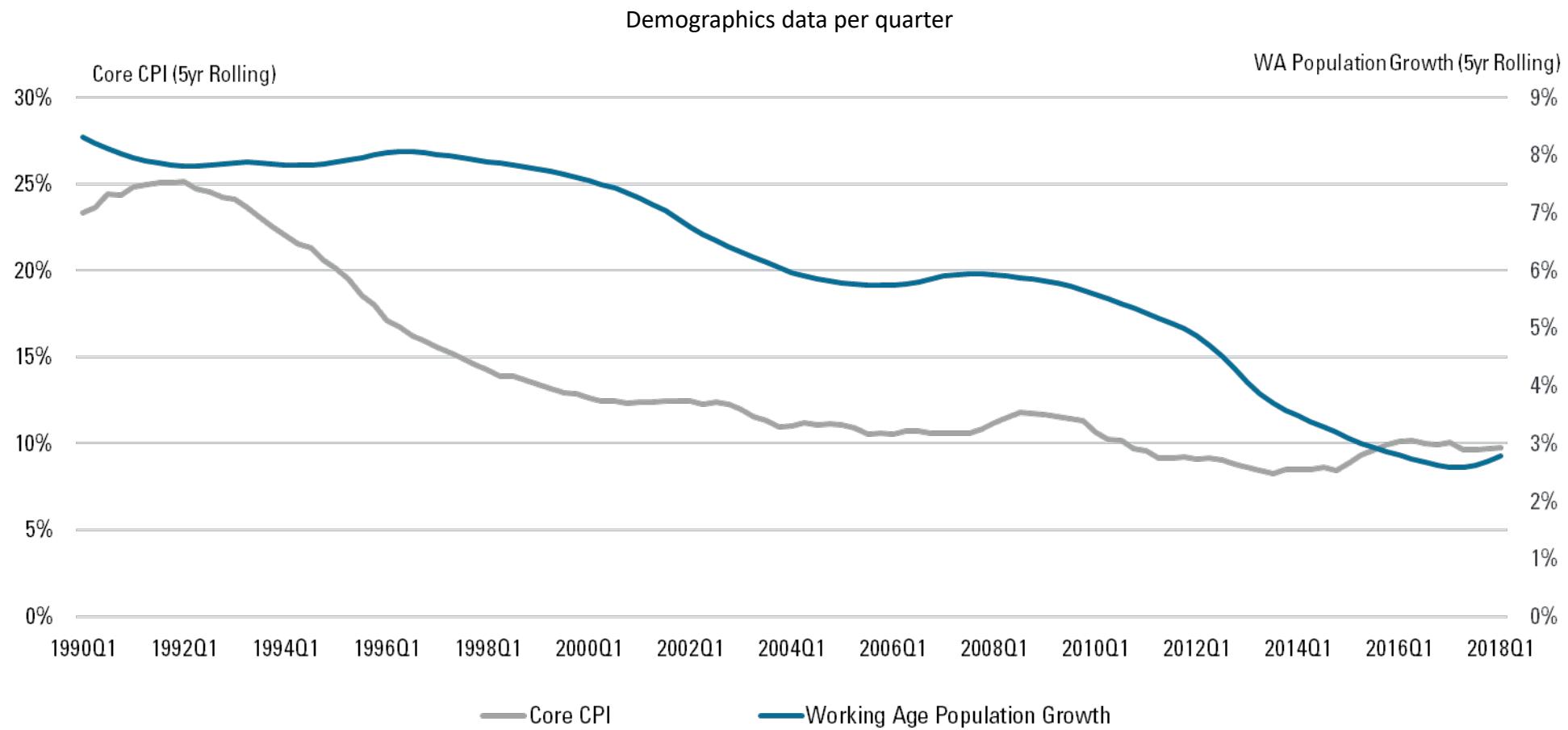


IF THE VALUE ENTERED IN CHART PROPERTIES DOESN'T EXIST ...



WHEN YOU RUN THE ‘CREATE PPT’ MACRO...

Demo Title



VBA CODE SNIPPETS

```
Function cell_row(ByVal sheet_name As String, curr_cell As String, dest_column As String)
    Dim FindString As String
    Dim Rng As Range
    Dim wks As Worksheet

    Set wks = ActiveWorkbook.Worksheets(sheet_name)

    wks.Activate

    FindString = wks.Range(curr_cell)
    If Trim(FindString) <> "" Then
        wks.Columns(dest_column & ":" & dest_column).Select
        Set Rng = Selection.Find(What:=FindString, After:=ActiveCell, LookIn:=xlFormulas, _
            LookAt:=xlWhole, SearchOrder:=xlByRows, SearchDirection:=xlNext, _
            MatchCase:=False, SearchFormat:=False)
        If Not Rng Is Nothing Then
            wks.Range("A1").Select
            cell_row = Rng.Row
        Else
            wks.Range("A1").Select
            MsgBox "No such value found. Please check if the entered value exists in Column " & dest_column & "."
        End If
    End If
End Function
```

VBA CODE SNIPPETS

```
Sub demographics()
    Dim start_cell, end_cell As String

    ActiveWorkbook.Sheets("Demographics").Select
    ActiveWorkbook.Sheets("Demographics").Calculate

    start_cell = cell_row("Demographics", "K3", "U")
    end_cell = cell_row("Demographics", "K4", "U")

    If Trim(start_cell) <> "" Then
        If Trim(end_cell) <> "" Then
            ActiveWorkbook.Sheets("Demographics").ChartObjects(1).Chart. _
            SeriesCollection(1).Formula = _
            "=SERIES(Demographics!$AF$285,Demographics!$U$" & CStr(start_cell) & ":$U$" & CStr(end_cell) & _
            ",Demographics!$AF$" & CStr(start_cell+4) & ":$AF$" & CStr(end_cell+4) & ",1)"

            ActiveWorkbook.Sheets("Demographics").ChartObjects(1).Chart. _
            SeriesCollection(2).Formula = _
            "=SERIES(Demographics!$AG$285,Demographics!$U$" & CStr(start_cell+4) & ":$U$" & CStr(end_cell+4) & _
            ",Demographics!$AG$" & CStr(start_cell) & ":$AG$" & CStr(end_cell) & ",2)"
        End If
    End If

    ActiveWorkbook.Save

End Sub
```

THANK YOU
