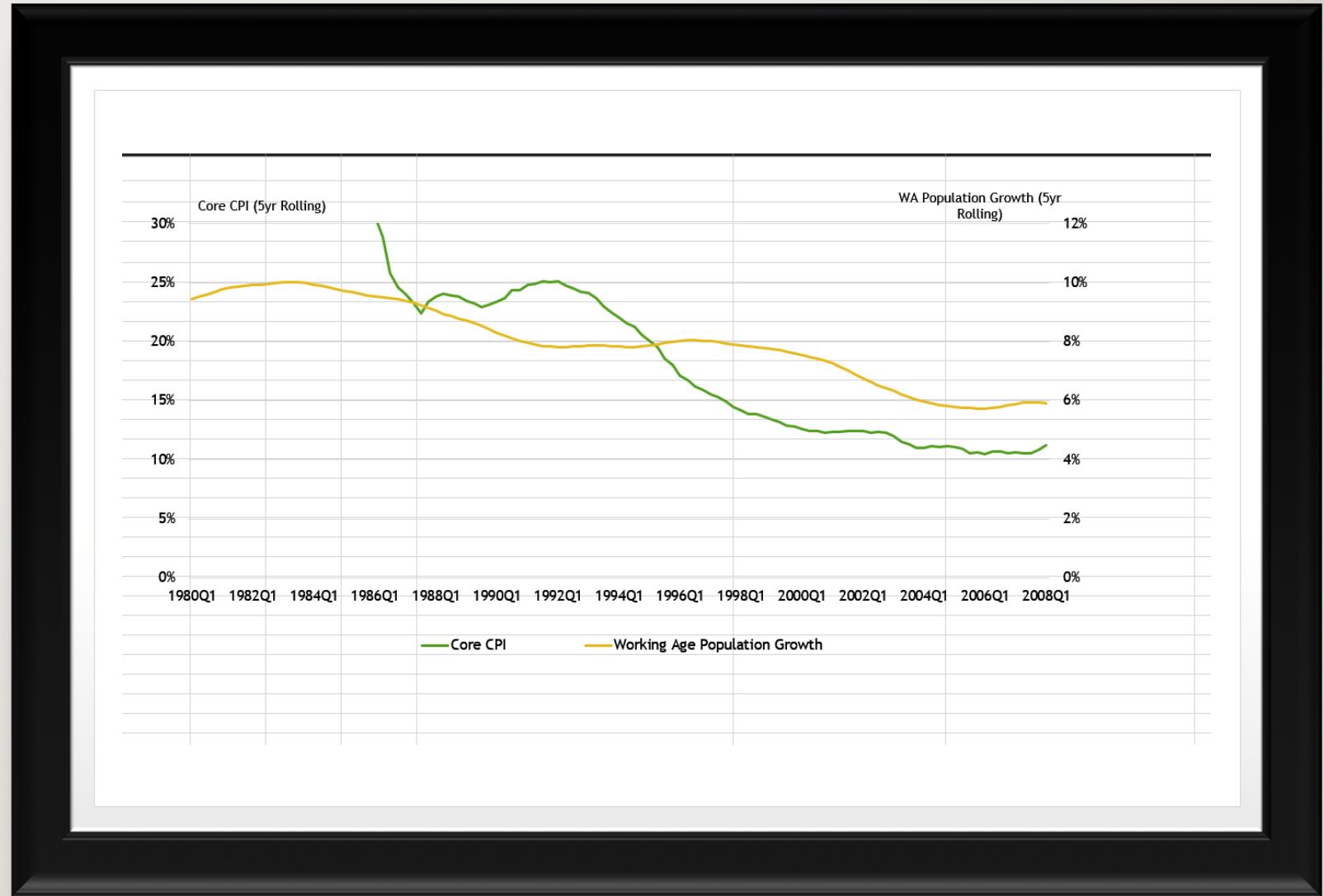

VBA Project Walkthrough

-Tanmay Atkekar

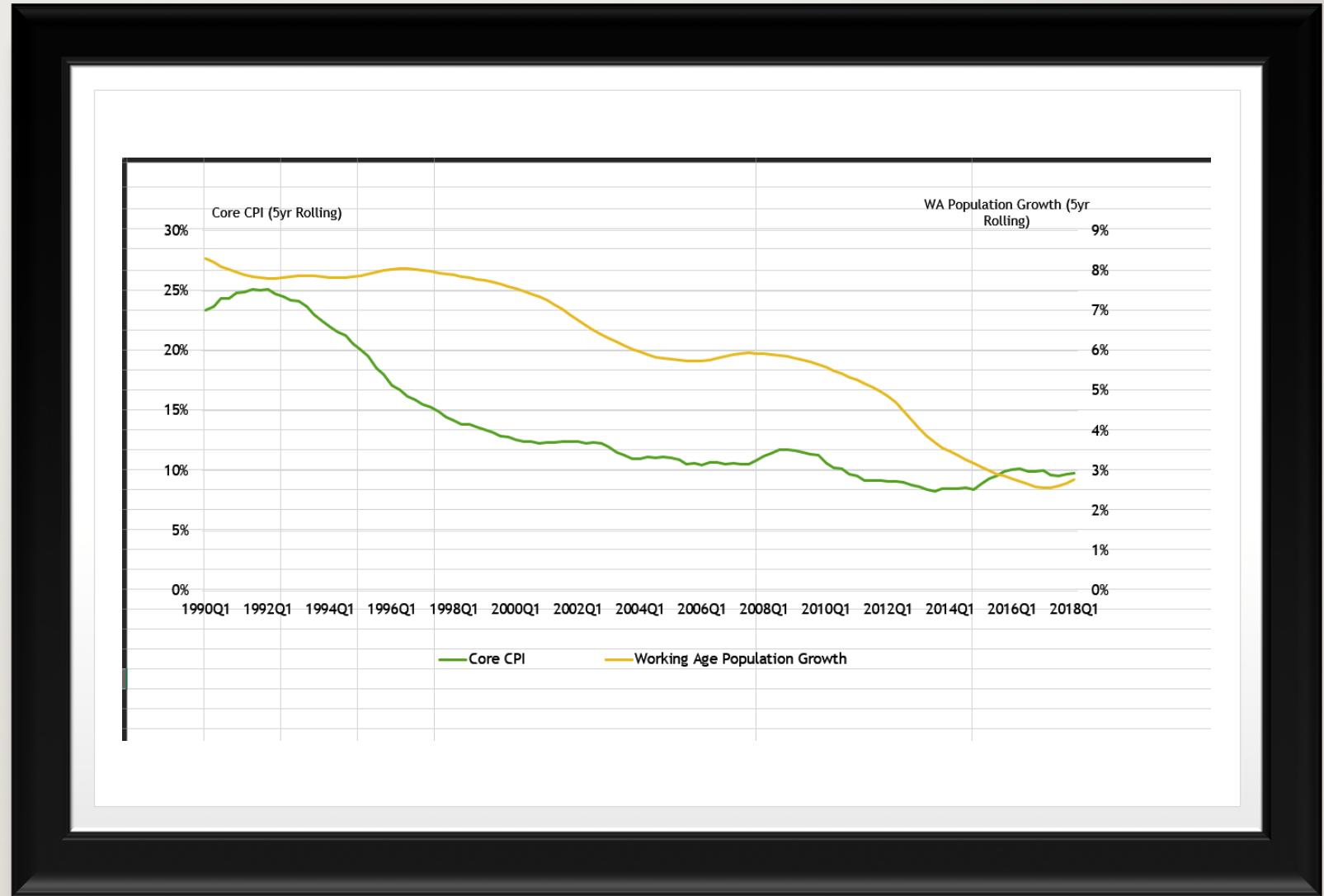
ORIGINAL CHART



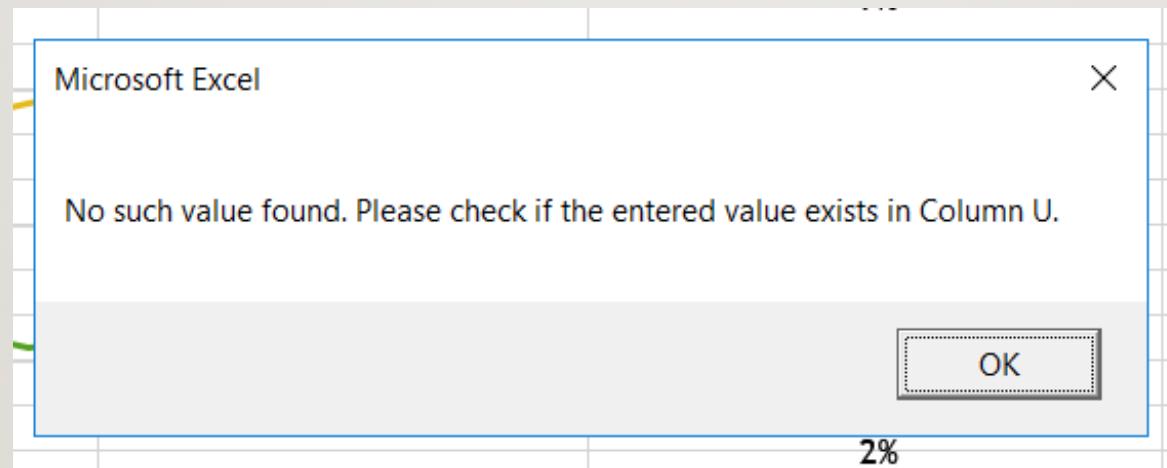
CHANGING CHART PROPERTIES...

| 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

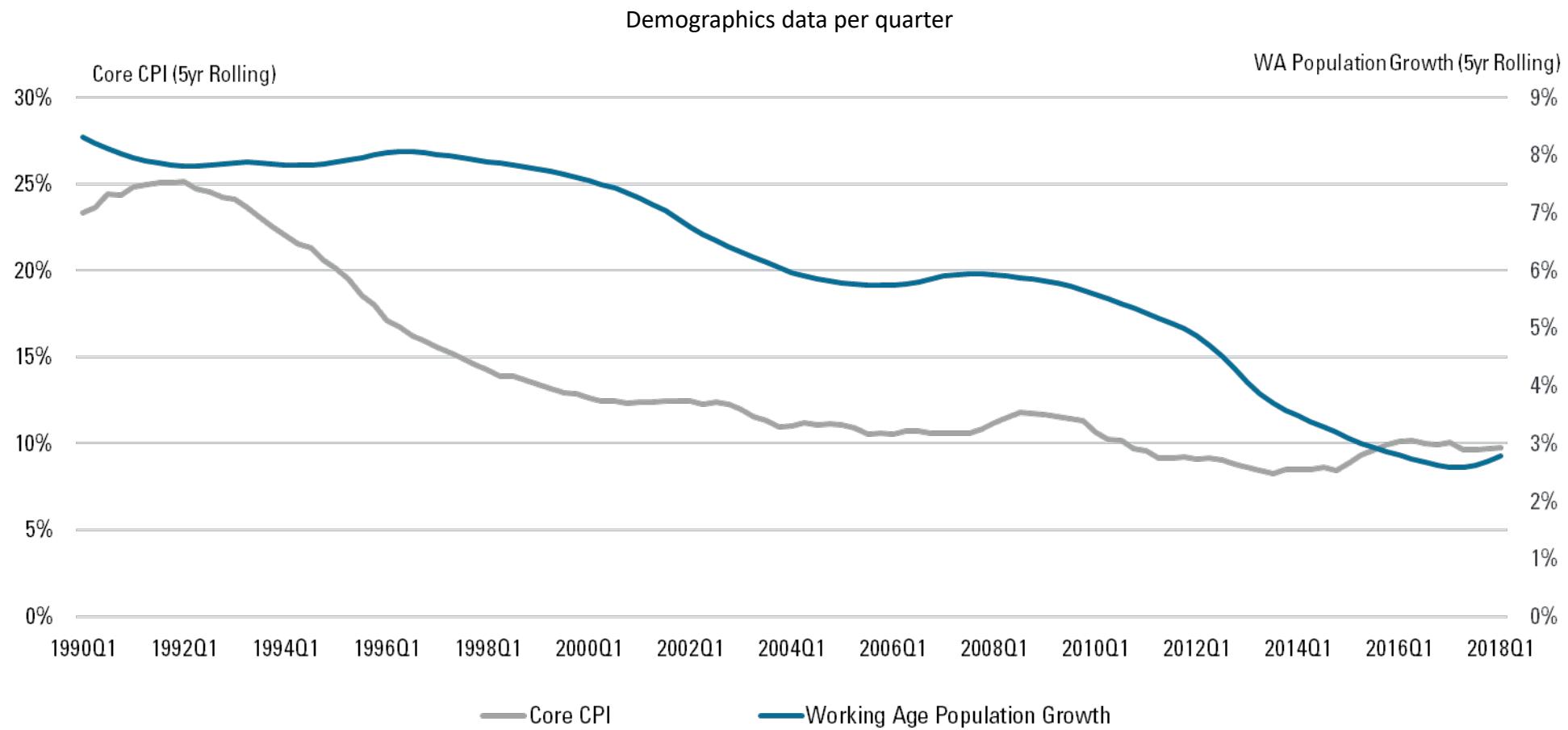


IF THE VALUE ENTERED IN CHART PROPERTIES DOESN'T EXIST ...



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
