

let

// Connect and Load

```
Source = Csv.Document(File.Contents("C:\Phil\DataWrangling\Data\FloridaVoterListPG-12Voted1.csv"),[Delimiter=",", Columns=13, Encoding=1252, QuoteStyle=QuoteStyle.None]),
```

```
#"Promoted Headers" = Table.PromoteHeaders(Source, [PromoteAllScalars=true]),
```

//Process Columns

```
#"Gender_Replace_Missing" = Table.ReplaceValue("#Promoted Headers", "", "U", Replacer.ReplaceValue, {"Gender"}),
```

```
#"Gender_Replace_Space" = Table.ReplaceValue("#Gender_Replace_Missing", " ", "U", Replacer.ReplaceValue, {"Gender"}),
```

```
#"Gender_Replace_Asterick" = Table.ReplaceValue("#Gender_Replace_Space", "*", "U", Replacer.ReplaceValue, {"Gender"}),
```

```
#"City_ProperCase" = Table.TransformColumns("#Gender_Replace_Asterick", {"City", Text.Proper, type text}),
```

```
#"City_ReplaceValue_Missing" = Table.ReplaceValue("#City_ProperCase", "", "Unknown", Replacer.ReplaceValue, {"City"}),
```

```
#"Zip_SplitPosition_5/4" = Table.SplitColumn("#City_ReplaceValue_Missing", "Zip", Splitter.SplitTextByPositions({0, 5}, false), {"Zip.1", "Zip.2"}),
```

```
#"Zip_Remove_Plus4" = Table.RemoveColumns("#Zip_SplitPosition_5/4", {"Zip.2"}),
```

```
#"RegDate_Replace_Blank" = Table.ReplaceValue("#Zip_Remove_Plus4", "", "1/1/1900", Replacer.ReplaceValue, {"RegDate"}),
```

```
#"RegDate_Replace_*" = Table.ReplaceValue("#RegDate_Replace_Blank", "*", "1/1/1900", Replacer.ReplaceText, {"RegDate"}),
```

```
#"DOB_Replace_Blank" = Table.ReplaceValue("#RegDate_Replace_*", "", "1/1/1900", Replacer.ReplaceValue, {"DOB"}),
```

```
#"DOB_Replace_*" = Table.ReplaceValue("#DOB_Replace_Blank", "*", "1/1/1900", Replacer.ReplaceText, {"DOB"}),
```

```
#"DOB/RegDate_SetType_Date" = Table.TransformColumnTypes("#DOB_Replace_*", {"DOB", type date}, {"RegDate", type date}),
```

```

#"DOB_Remove_Errors" = Table.RemoveRowsWithErrors("#DOB/RegDate_SetType_Date", {"DOB"}),
#"RegDate_Remove_Errors" = Table.RemoveRowsWithErrors("#DOB_Remove_Errors", {"RegDate"}),

#"ElectionDate_Inserted Column" = Table.AddColumn("#RegDate_Remove_Errors", "ElectionDate", each "11/06/2012", type text),
#"ElectionDate_ChangeType_Date" = Table.TransformColumnTypes("#ElectionDate_Inserted Column",{"ElectionDate", type date}),

#"Age_InsertColumn_DateDiff" = Table.AddColumn("#ElectionDate_ChangeType_Date", "Age", each [ElectionDate] - [DOB]),
#"Age_CalcValue_Yrs" = Table.TransformColumns("#Age_InsertColumn_DateDiff",{"Age", each Duration.TotalDays(_) / 365, type number}),
#"Age_ChangeType_Int" = Table.TransformColumnTypes("#Age_CalcValue_Yrs",{"Age", Int64.Type}),

#"YrsReg_InsertColumn_DateDiff" = Table.AddColumn("#Age_ChangeType_Int", "YrsReg", each [ElectionDate] - [RegDate]),
#"YrsReg_CalcValue_Yrs" = Table.TransformColumns("#YrsReg_InsertColumn_DateDiff",{"YrsReg", each Duration.TotalDays(_) / 365, type number}),
#"YrsReg_ChangeType_Int" = Table.TransformColumnTypes("#YrsReg_CalcValue_Yrs",{"YrsReg", Int64.Type}),

#"AgeGroup_InsertColumn" = Table.AddColumn("#YrsReg_ChangeType_Int", "AgeGroup", each if [DOB] = "1/1/1900" then "Unknown"
    else if [Age] <= 34 then "18-34"
    else if [Age] <= 49 then "35-49"
    else if [Age] <= 64 then "50-64"
    else "65 plus")
in
AgeGroup_InsertColumn

```