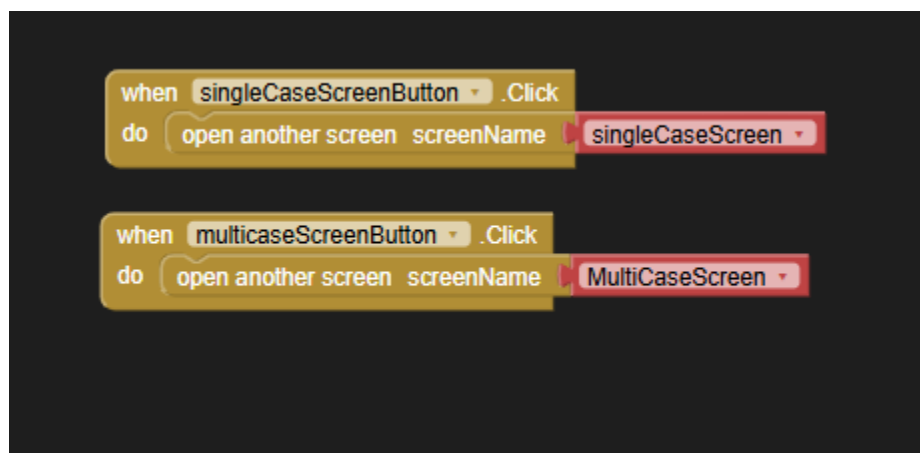
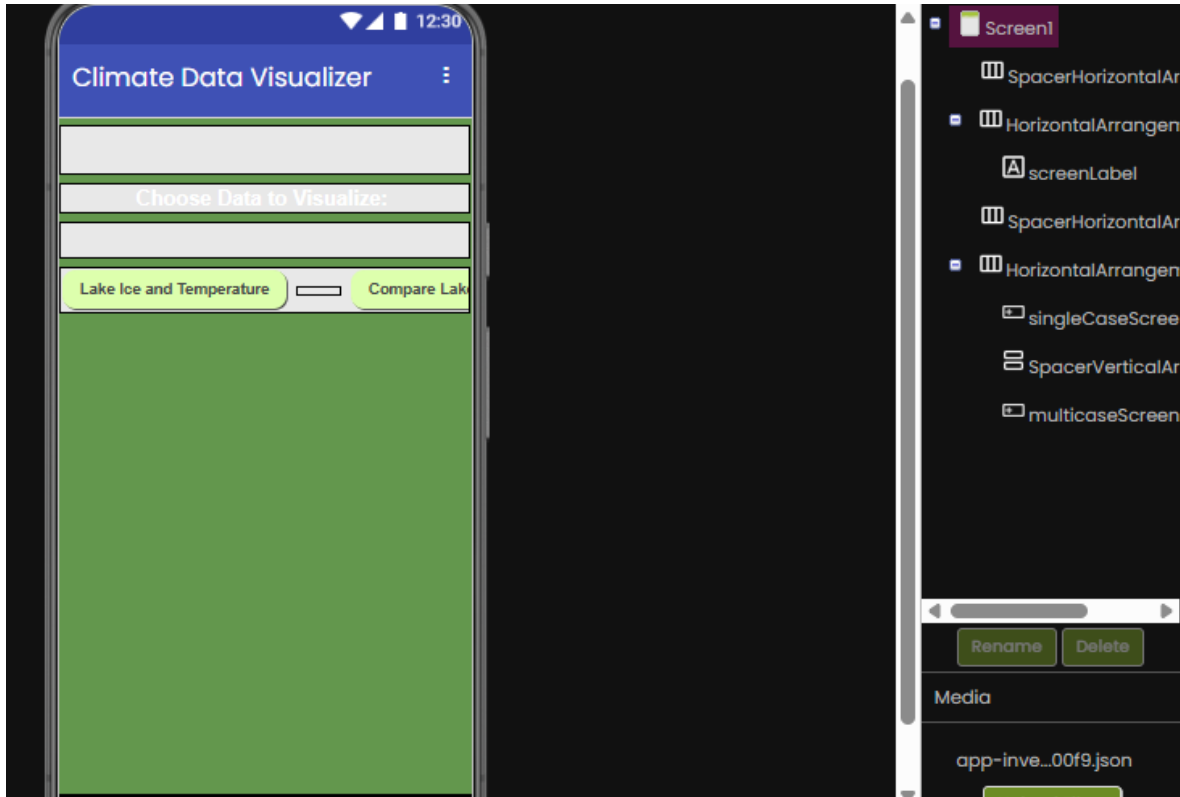


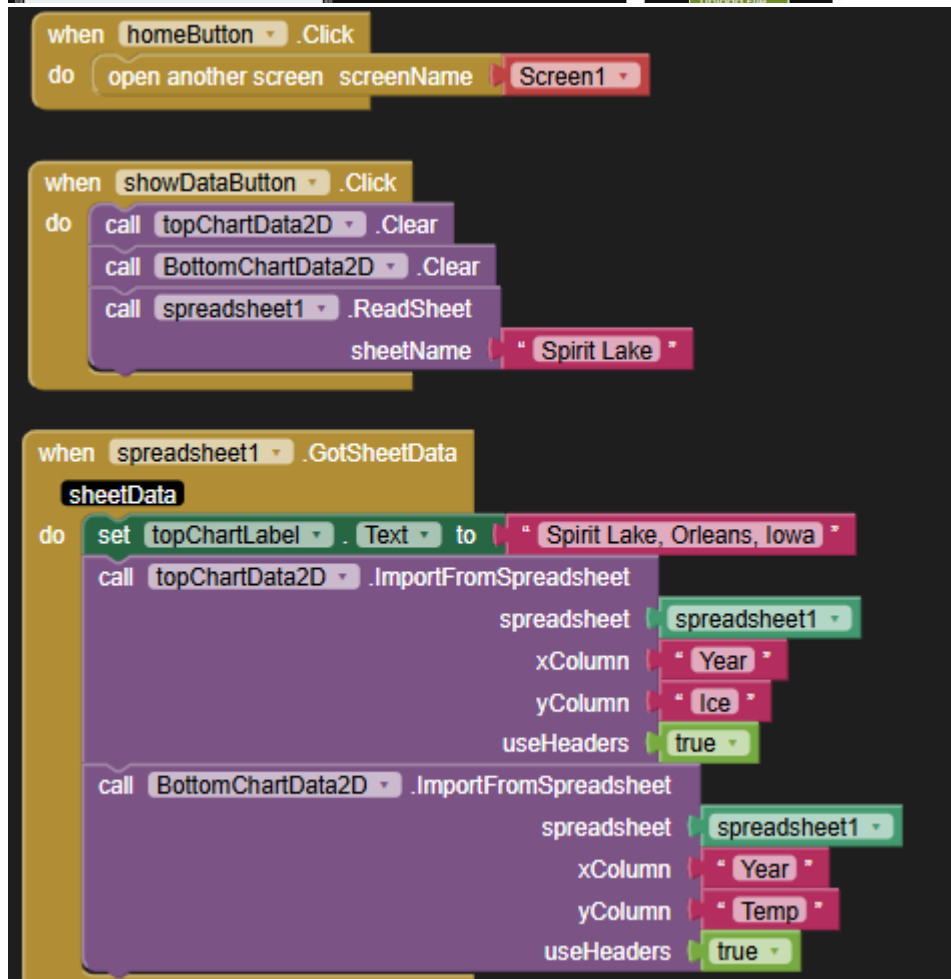
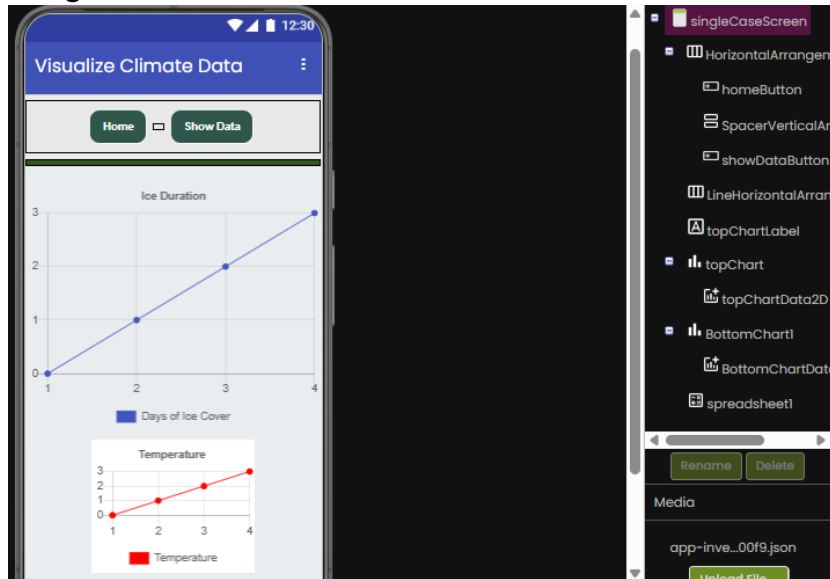
Proyecto IceMelt: Modeling and Predicting Climate Change

Lección 1: Visualizing Climate

- Pantalla y bloques 1



- SingleCaseScreen



- MultiCaseScreen

when homeButton .Click
do
open another screen screenName Screen1

when showDataButton .Click
do
call topChartData2D .Clear
call spreadsheet1 .ReadSheet
sheetName Spirit Lake
call spreadsheet2 .ReadSheet
sheetName Otsego Lake

when spreadsheet1 .GotSheetData
sheetData
do
set topChartLabel .Text to Spirit Lake, Orleans, Iowa
call topChartData2D .ImportFromSpreadsheet
spreadsheet spreadsheet1
xColumn Year
yColumn Ice
useHeaders true

when spreadsheet2 .GotSheetData
sheetData
do
set bottomChartLabel .Text to Otsego Lake, Cooperstown, NY
call bottomChartData2D .ImportFromSpreadsheet
spreadsheet spreadsheet2
xColumn Year
yColumn Ice
useHeaders true

- HorizontalArrang
- homeButton
- SpacerVertica
- showDataButt
- LineHorizontalAr
- topChartLabel
- topChart
- topChartData
- bottomChartLab
- BottomChart1
- bottomChartD
- Rename
- Delete
- Media
- app-inve_00f9.json
- Unload File

- APK

Android App for Lesson_1_Visualizing_Climate_Data_template

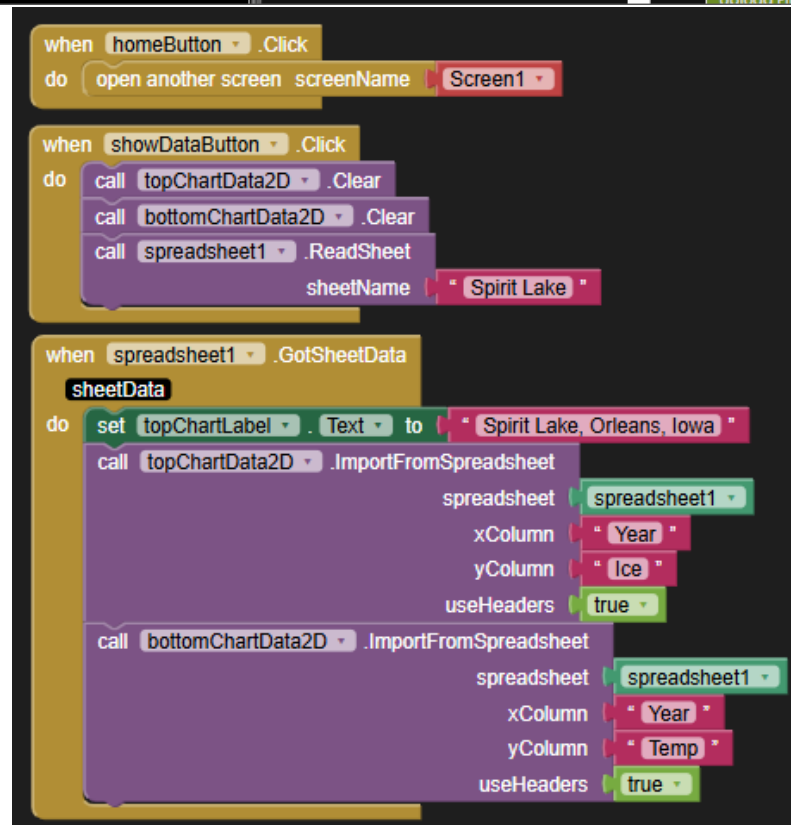
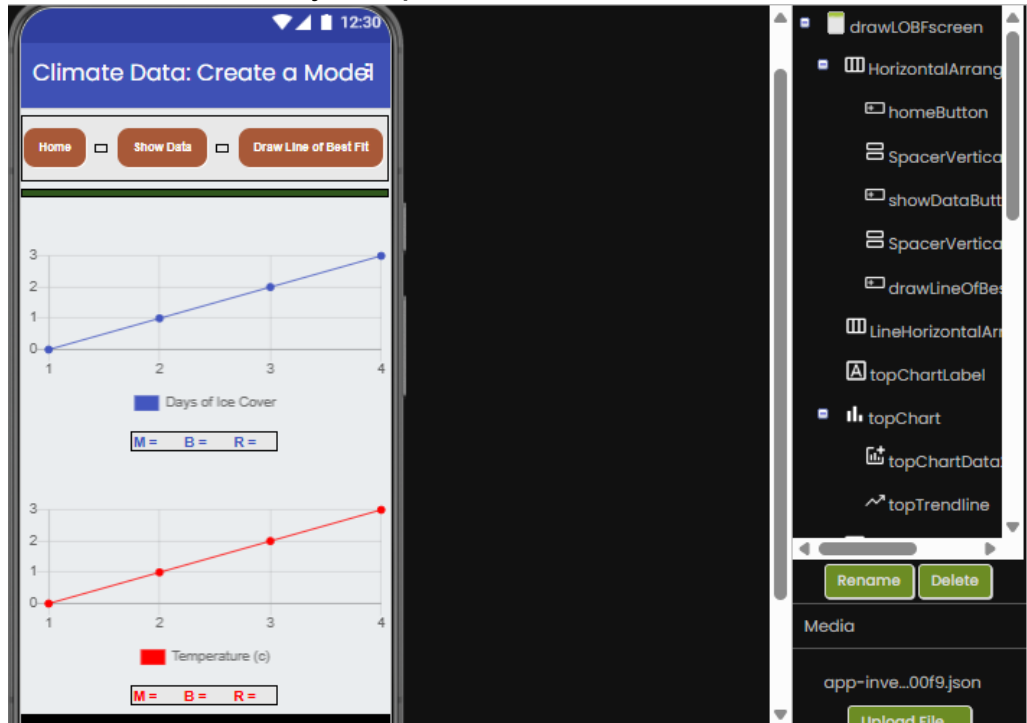
Download .apk now

Click the button to download the app, right-click on it to copy a download link, or scan the code with a barcode scanner to install.
Note: this link and barcode are only valid for 2 hours. See [the FAQ](#) for info on how to share your app with others.

Dismiss

Lección 2: Visualizing Climate



- drawLOBFscreen y bloques



```
when drawLineOfBestFitButton .Click
do
  set topTrendline . ChartData to topChartData2D
  set bottomTrendline . ChartData to bottomChartData2D
  set topSlopeValueLabel . Text to topTrendline . LinearCoefficient
  set topY_intValueLabel . Text to topTrendline . YIntercept
  set topCor_coefValueLabel . Text to topTrendline . CorrelationCoefficient
  set bottomSlopeValueLabel . Text to bottomTrendline . LinearCoefficient
  set bottomY_intValueLabel . Text to bottomTrendline . YIntercept
  set bottomCor_coefValueLabel . Text to bottomTrendline . CorrelationCoefficient
```

- APK

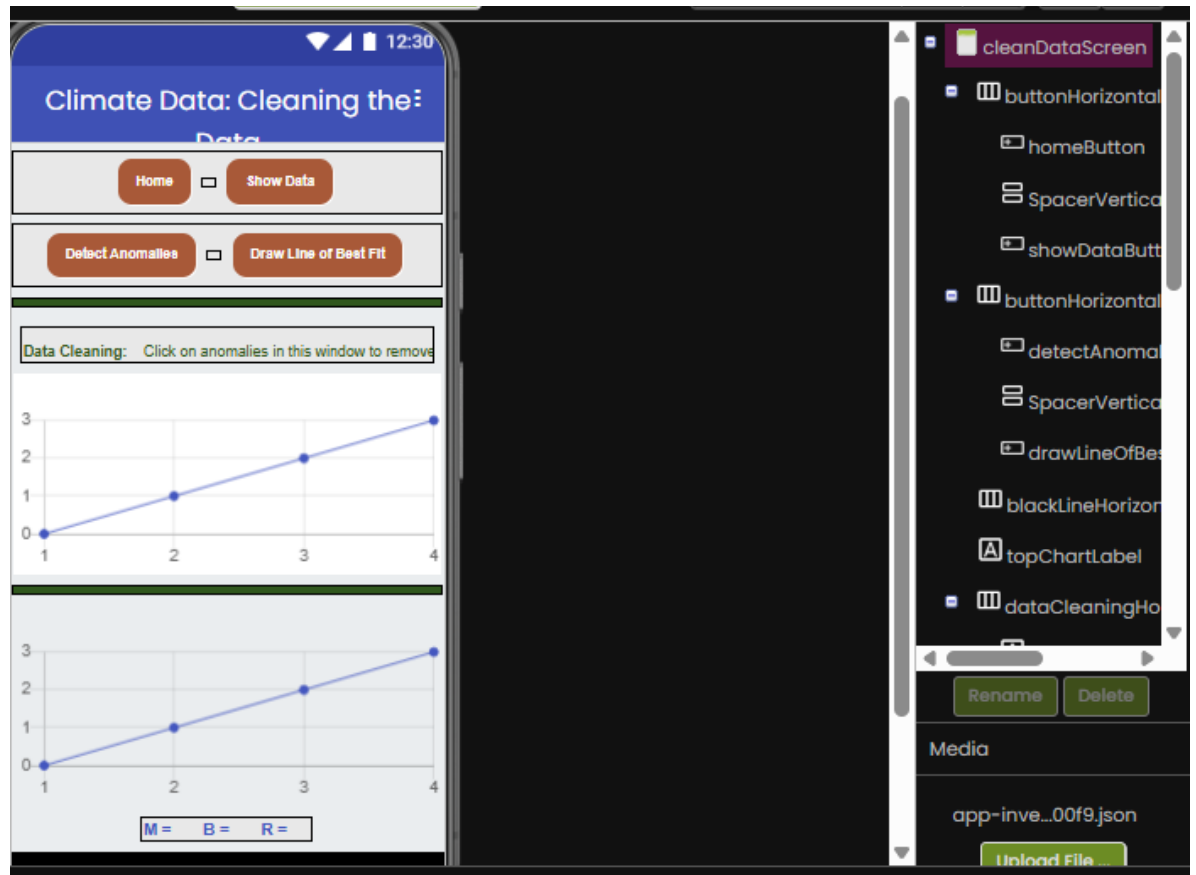
Android App for Lesson_2_Modeling_Data_template_copy



Click the button to download the app, right-click on it to copy a download link, or scan the code with a barcode scanner to install.
Note: this link and barcode are only valid for 2 hours. See [the FAQ](#) for info on how to share your app with others.

Dismiss

Lección 3. Cleaning Climate Data



```

when drawLineOfBestFitButton .Click
do
  set Trendline1 . ChartData to cleanedChartData2D

when detectAnomaliesButton .Click
do
  call dataCleaningChartData2D .HighlightDataPoints
    dataPoints
    call AnomalyDetection1 .DetectAnomaliesInChartData
      chartData
      dataCleaningChartData2D
      threshold 2
    color

when dataCleaningChartData2D .EntryClick
do
  call dataCleaningChartData2D .RemoveEntry
    x
    y
  call cleanedChartData2D .Clear
  call cleanedChartData2D .ImportFromList
    list
    call dataCleaningChartData2D .GetAllEntries

when Trendline1 .Updated
results
do
  set SlopeValueLabel . Text to Trendline1 . LinearCoefficient
  set Y_intValueLabel . Text to Trendline1 . YIntercept
  set Cor_coefValueLabel . Text to Trendline1 . CorrelationCoefficient

```

```

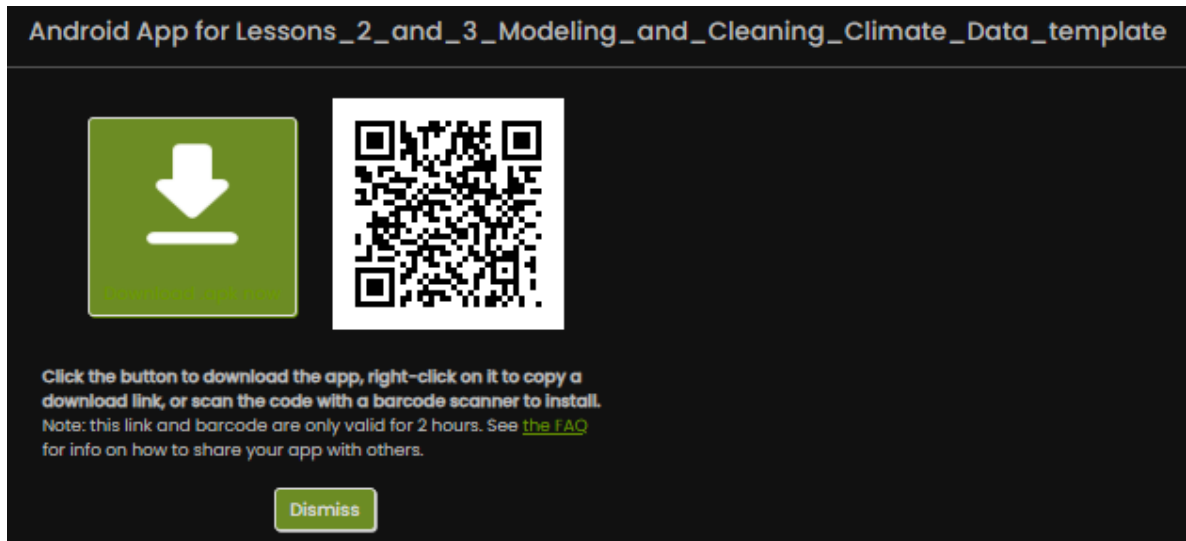
when homeButton .Click
do
  open another screen screenName Screen1

when showDataButton .Click
do
  call cleanedChartData2D .Clear
  call dataCleaningChartData2D .Clear
  call spreadsheet1 .ReadSheet
    sheetName " Spirit Lake "

when spreadsheet1 .GotSheetData
sheetData
do
  set topChartLabel . Text to " Spirit Lake, Orleans, Iowa "
  call dataCleaningChartData2D .ImportFromSpreadsheet
    spreadsheet
    spreadsheet1
    xColumn " Year "
    yColumn " Ice "
    useHeaders true
  call cleanedChartData2D .ImportFromSpreadsheet
    spreadsheet
    spreadsheet1
    xColumn " Year "
    yColumn " Ice "
    useHeaders true

```

- APK



Lección 4. Predicciones e Inteligencia Artificial

- Pantalla y bloques




```
when homeButton.Click
do open another screen screenName Screen1

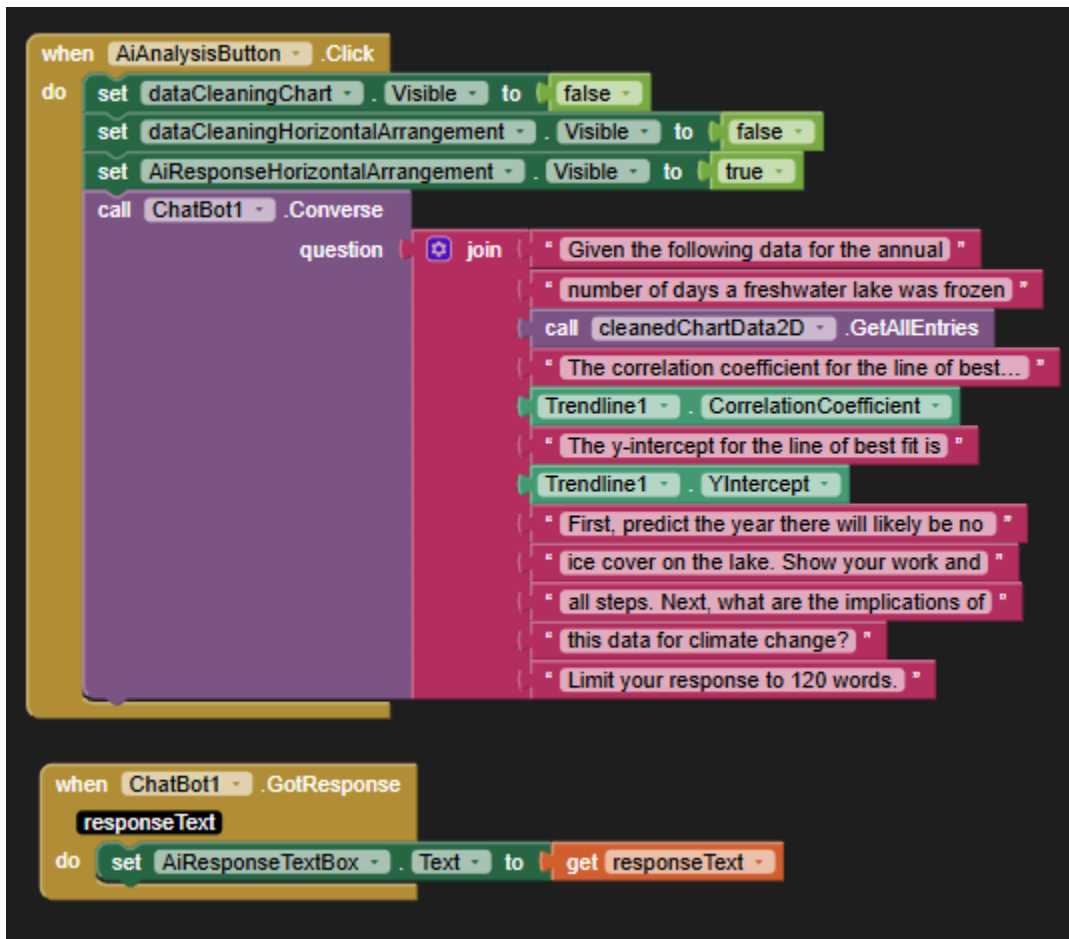
when showDataButton.Click
do
  call cleanedChartData2D.Clear
  call dataCleaningChartData2D.Clear
  call spreadsheet1.ReadSheet
    sheetName " Spirit Lake "
  set dataCleaningChart.Visible to true
  set dataCleaningHorizontalArrangement.Visible to true
  set AiResponseHorizontalArrangement.Visible to false

when spreadsheet1.GotSheetData
  sheetData
  do
    set topChartLabel.Text to " Spirit Lake, Orleans, Iowa "
    call cleanedChartData2D.ImportFromSpreadsheet
      spreadsheet spreadsheet1
      xColumn " Year "
      yColumn " Ice "
      useHeaders true
    call dataCleaningChartData2D.ImportFromSpreadsheet
      spreadsheet spreadsheet1
      xColumn " Year "
      yColumn " Ice "
      useHeaders true
```

```
when drawLineOfBestFitButton.Click
do set Trendline1.ChartData to cleanedChartData2D

when Trendline1.Updated
  results
  do
    set SlopeValueLabel.Text to Trendline1.LinearCoefficient
    set Y_intValueLabel.Text to round Trendline1.YIntercept
    set Cor_coefValueLabel.Text to Trendline1.CorrelationCoefficient
    set X_IntValueLabel.Text to round Trendline1.XIntercepts
    call cleanedDataChart.ExtendDomainToInclude
      x Trendline1.XIntercepts

when detectAnomaliesButton.Click
do call dataCleaningChartData2D.HighlightDataPoints
  dataPoints call AnomalyDetection1.DetectAnomaliesInChartData
    chartData dataCleaningChartData2D
    threshold 2
  color red
```



- APK

