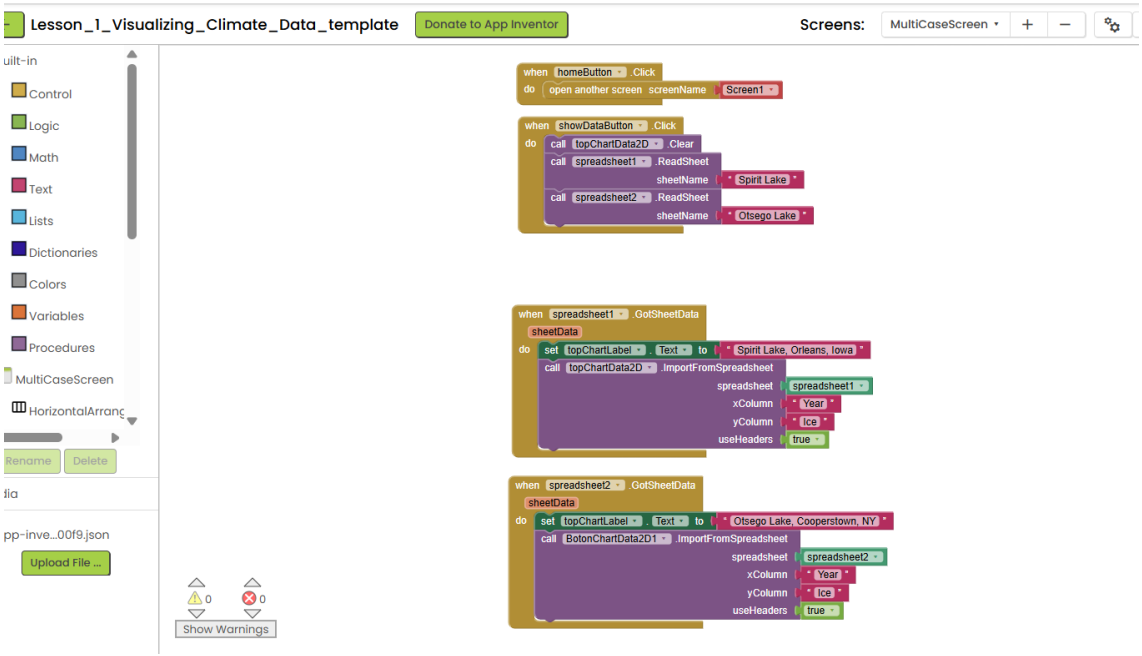
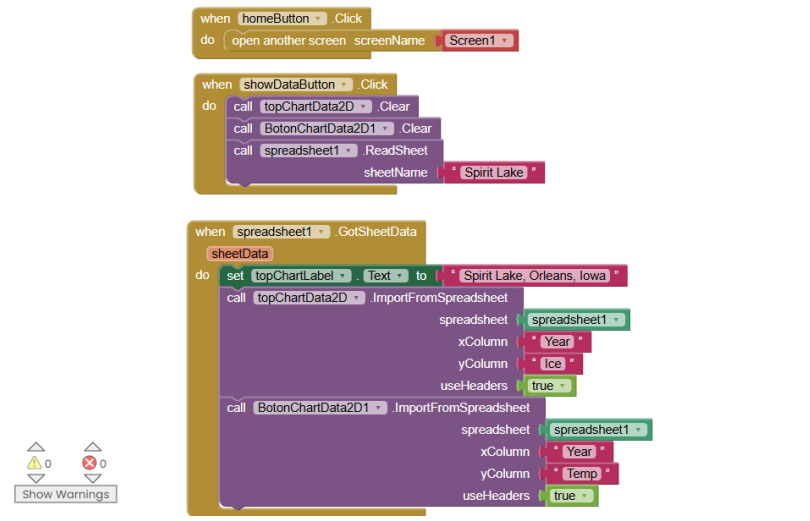
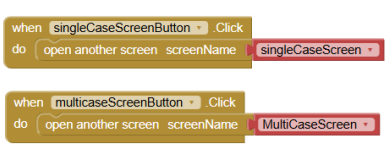
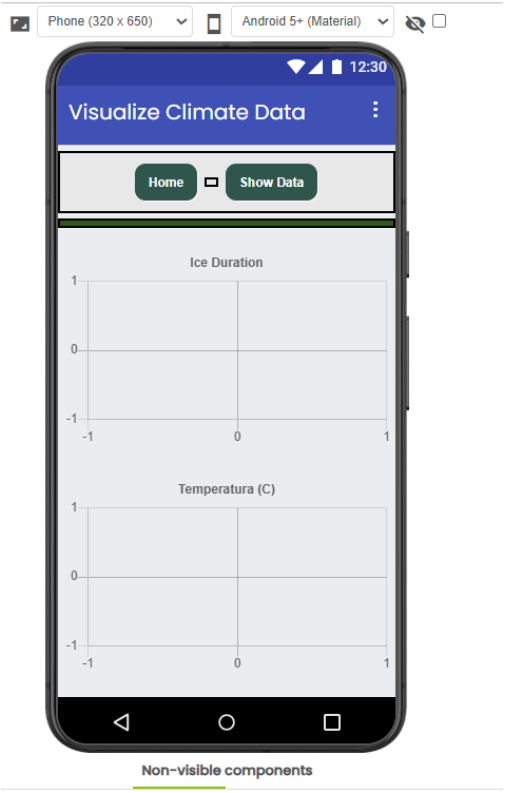
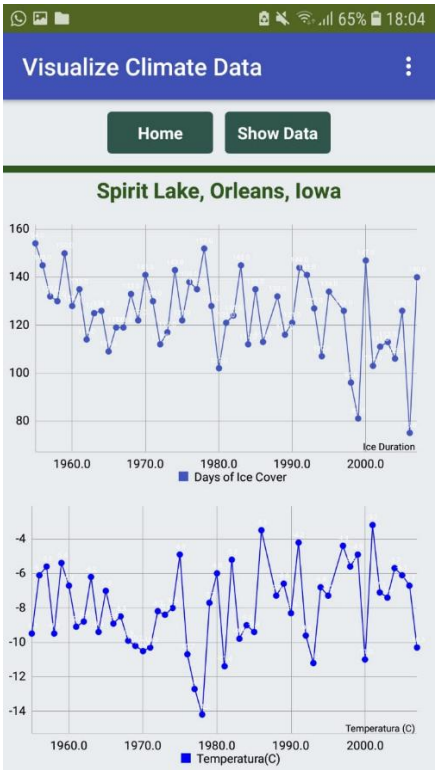
Lección 1: MultiCaseScreen

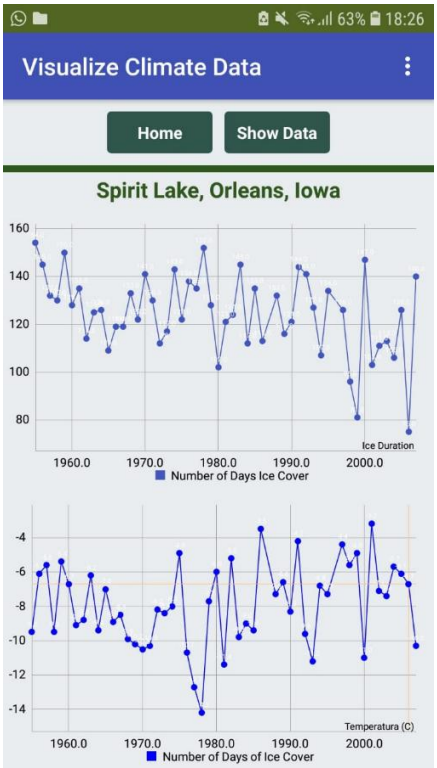




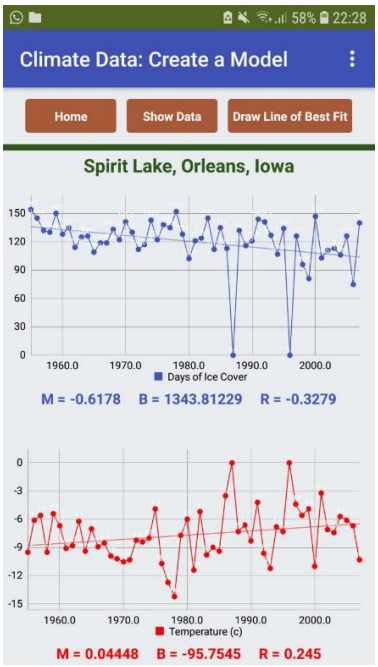


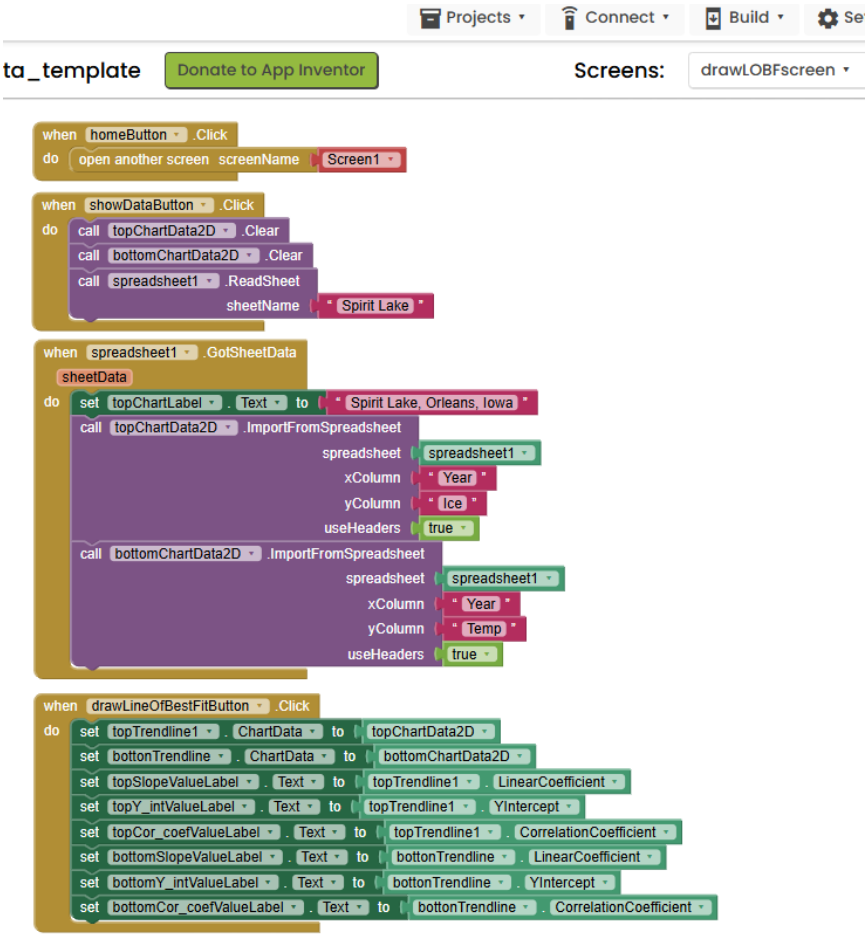




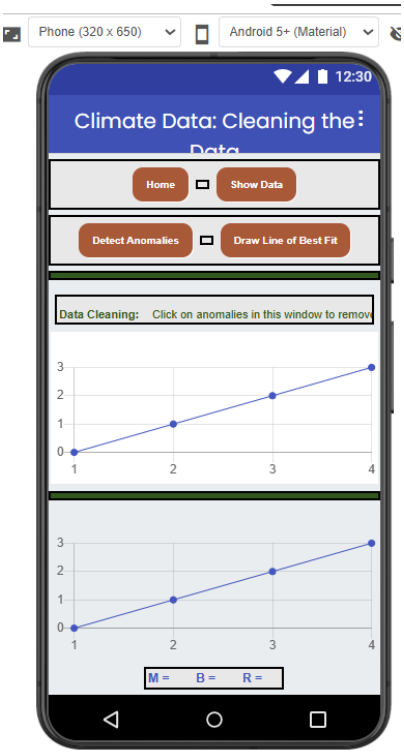


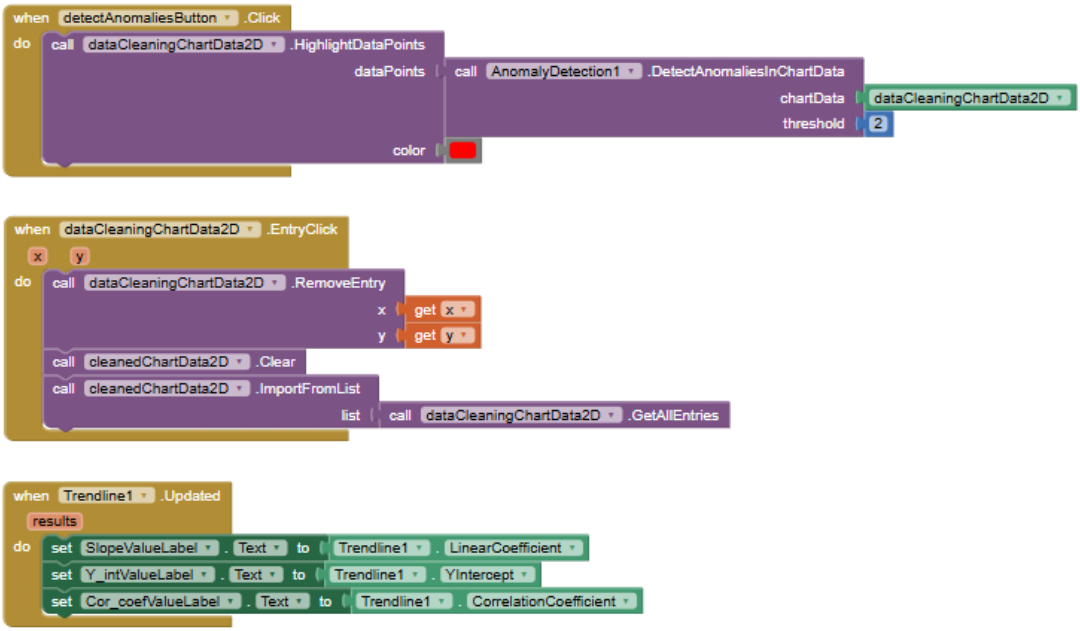
Lección 2: Draw Line of Best Fit

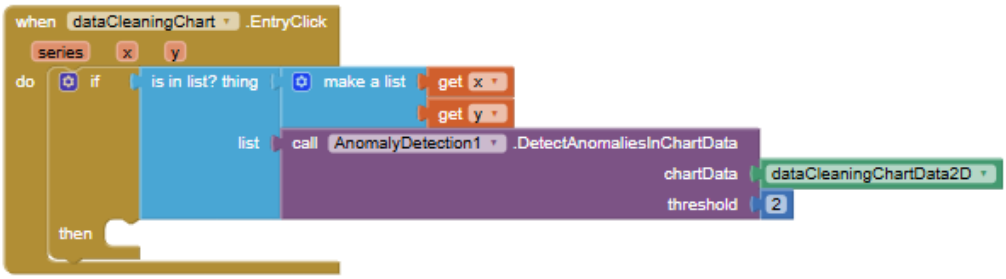


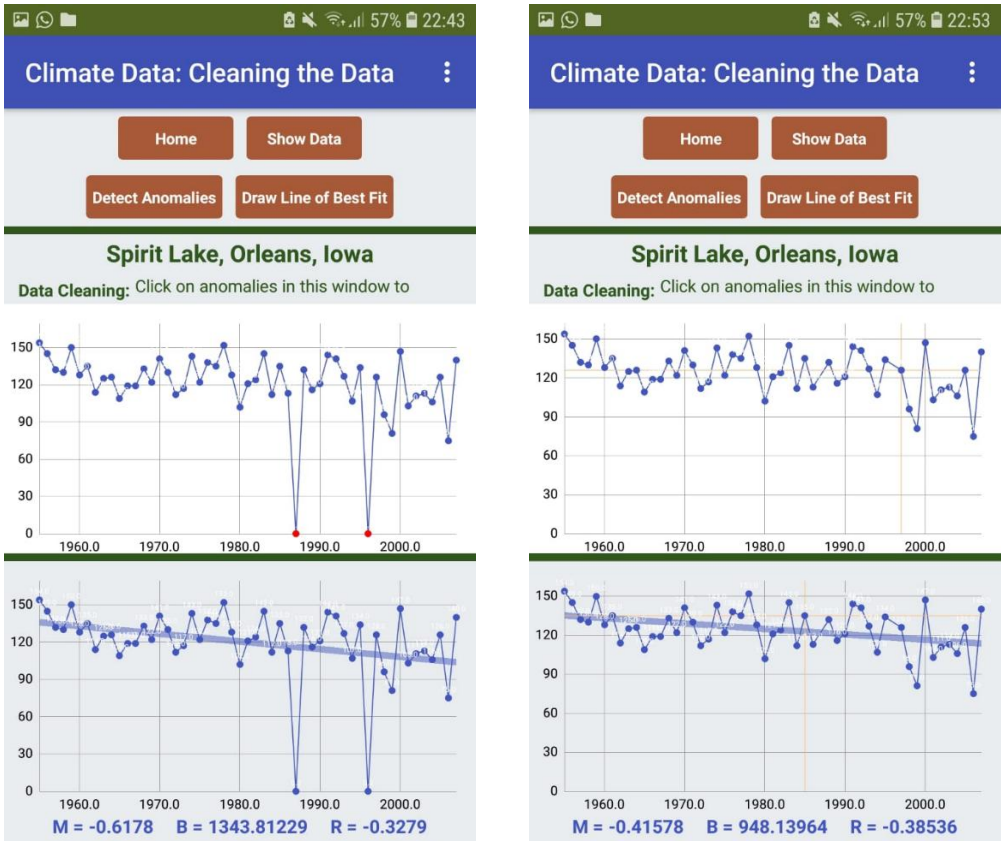


Lección 3: Clean the data

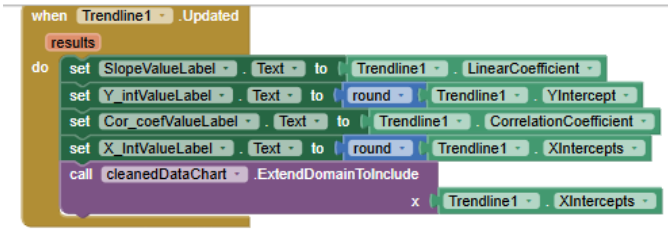

Phone (320 x 650)
Android 5+ (Material)
12:30
Climate Data: Cleaning the
Home
Show Data
Detect Anomalies
Draw Line of Best Fit
Data Cleaning: Click on anomalies in this window to remov
M = B = R =

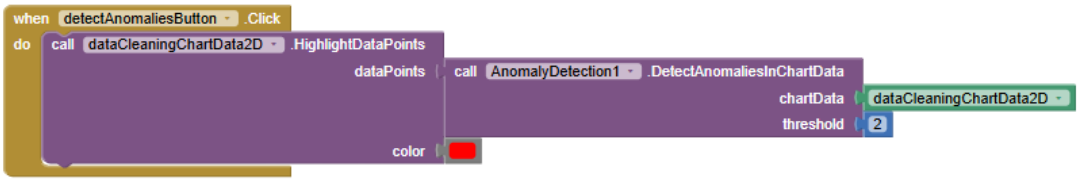

when detectAnomaliesButton .Click
do call dataCleaningChartData2D .HighlightDataPoints
dataPoints call AnomalyDetection1 .DetectAnomaliesInChartData
chartData dataCleaningChartData2D
threshold 2
color
when dataCleaningChartData2D .EntryClick
x y
do call dataCleaningChartData2D .RemoveEntry
x get x
y get 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

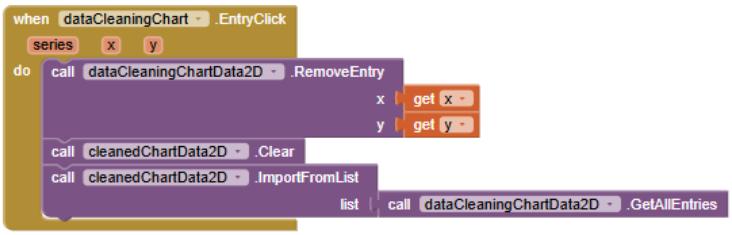


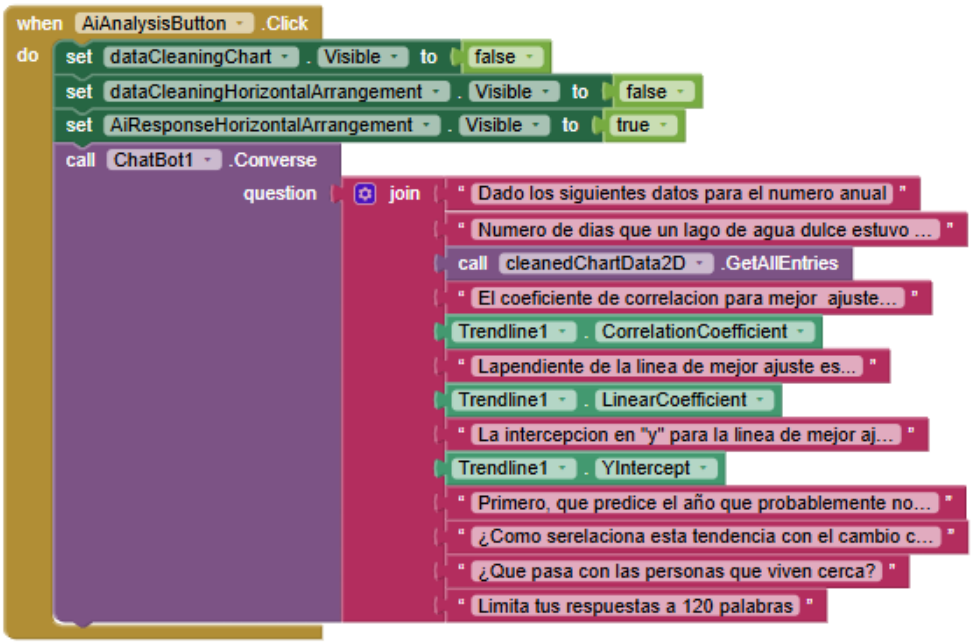


Lección 4: Comparing Math Predictions and AI

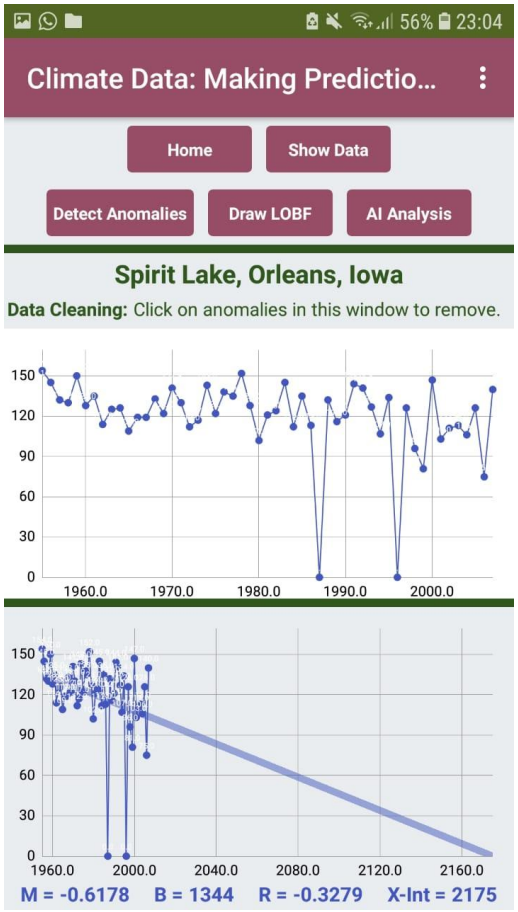

when Trendline1 .Updated
results
do set SlopeValueLabel . Text to Trendline1 . LinearCoefficient
set Y_intValueLabel . Text to round Trendline1 . YIntercept
set Cor_coefValueLabel . Text to Trendline1 . CorrelationCoefficient
set X_IntValueLabel . Text to round Trendline1 . XIntercepts
call cleanedDataChart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


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


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


when AiAnalysisButton .Click
do set dataCleaningChart . Visible to false
set dataCleaningHorizontalArrangement . Visible to false
set AiResponseHorizontalArrangement . Visible to true
call ChatBot1 .Converse
question join " Dado los siguientes datos para el numero anual "
" Numero de dias que un lago de agua dulce estuvo ... "
call cleanedChartData2D .GetAllEntries
" El coeficiente de correlacion para mejor ajuste... "
Trendline1 . CorrelationCoefficient
" Lapendiente de la linea de mejor ajuste es... "
Trendline1 . LinearCoefficient
" La intercepcion en "y" para la linea de mejor aj... "
Trendline1 . YIntercept
" Primero, que predice el año que probablemente no... "
" ¿Como serelaciona esta tendencia con el cambio c... "
" ¿Que pasa con las personas que viven cerca? "
" Limita tus respuestas a 120 palabras "


when ChatBot1 .GotResponse
responseText
do set AiResponseTextBox . Text to get responseText


56% 23:04
Climate Data: Making Predictio...
Home
Show Data
Detect Anomalies
Draw LOBF
AI Analysis
Spirit Lake, Orleans, Iowa
Data Cleaning: Click on anomalies in this window to remove.
150
120
90
60
30
0
1960.0
1970.0
1980.0
1990.0
2000.0
150
120
90
60
30
0
1960.0
2000.0
2040.0
2080.0
2120.0
2160.0
M = -0.6178 B = 1344 R = -0.3279 X-Int = 2175


56% 23:06
Climate Data: Making Predictio...
Home
Show Data
Detect Anomalies
Draw LOBF
AI Analysis
Spirit Lake, Orleans, Iowa
Basándonos en la línea de mejor ajuste y su pendiente negativa, podríamos predecir que para un futuro cercano, el lago probablemente se congelará por menos días cada año.
Esta tendencia coincide con el cambio climático global, que está causando temperaturas más cálidas. Las personas que viven cerca del lago podrían experimentar consecuencias como: inundaciones durante la primavera debido al derretimiento rápido del hielo y cambios en los ecosistemas acuáticos.
150
120
90
60
30
0
2000.0
2050.0
2100.0
2150.0
2200.0
2250.0
M = -0.41578 B = 948 R = -0.38536 X-Int = 2280