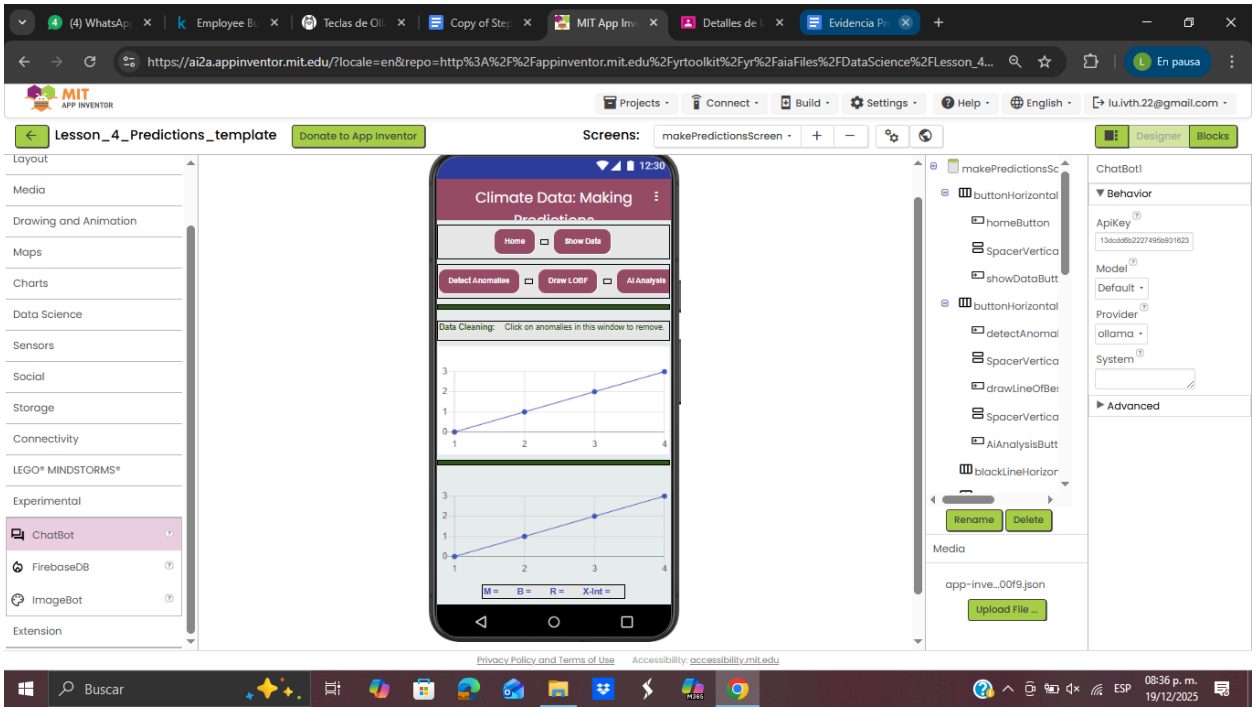
# Evidencia


Lesson_4_Predictions_template
Donate to App Inventor
Screens:
makePredictionsScreen
Designer
Blocks
Climate Data: Making
Home
Show Data
Detect Anomalies
Draw LOBF
AI Analysis
Data Cleaning: Click on anomalies in this window to remove
M = B = R = X-Int =
Layout
Media
Drawing and Animation
Maps
Charts
Data Science
Sensors
Social
Storage
Connectivity
LEGO® MINDSTORMS®
Experimental
ChatBot
FirebaseDB
ImageBot
Extension
ChatBot1
Behavior
ApiKey
Model
Default
Provider
ollama
System
Advanced
Rename
Delete
Upload File ...
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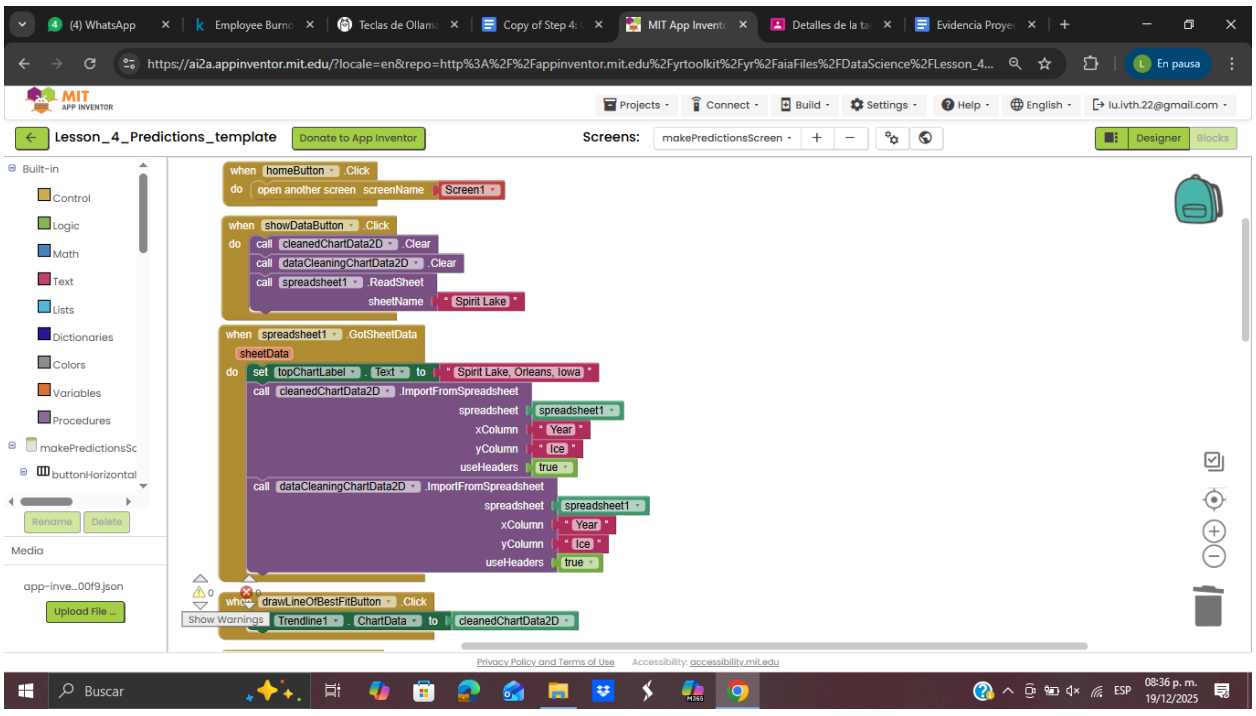
Accessibility: accessibility.mit.edu


Lesson_4_Predictions_template
Donate to App Inventor
Screens:
makePredictionsScreen
Designer
Blocks
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
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 cleanedChartData2D .ImportFromSpreadsheet
spreadsheet spreadsheet1
xColumn Year
yColumn Ice
useHeaders true
call dataCleaningChartData2D .ImportFromSpreadsheet
spreadsheet spreadsheet1
xColumn Year
yColumn Ice
useHeaders true
when drawLineOfBestFitButton .Click
Show Warnings
Trendline1 . ChartData to cleanedChartData2D
Media
app-inve...00f9.json
Upload File ...
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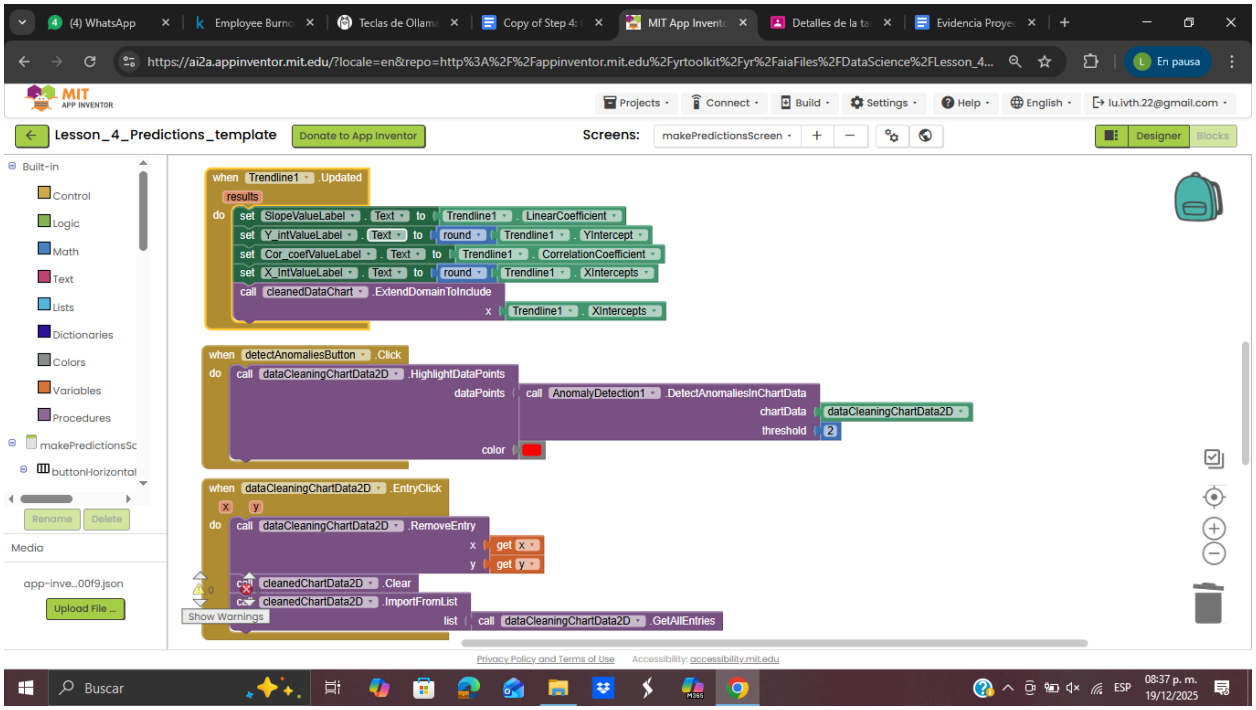
Lesson_4_Predictions_template
Donate to App Inventor
Screens:
makePredictionsScreen
Designer
Blocks
when Trendline1 .Updated
results
do set SlopeValueLabel . Text to Trendline1 . LinearCoefficient
set Y_intValueLabel . Text to round Trendline1 . YIntercept
set Cor_coefValueLabel . Text to Trendline1 . 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 dataCleaningChartData2D .EntryClick
x y
do call dataCleaningChartData2D .RemoveEntry
x get x
y get y
call cleanedChartData2D .Clear
call cleanedChartData2D .ImportFromList
list call dataCleaningChartData2D .GetAllEntries
Show Warnings
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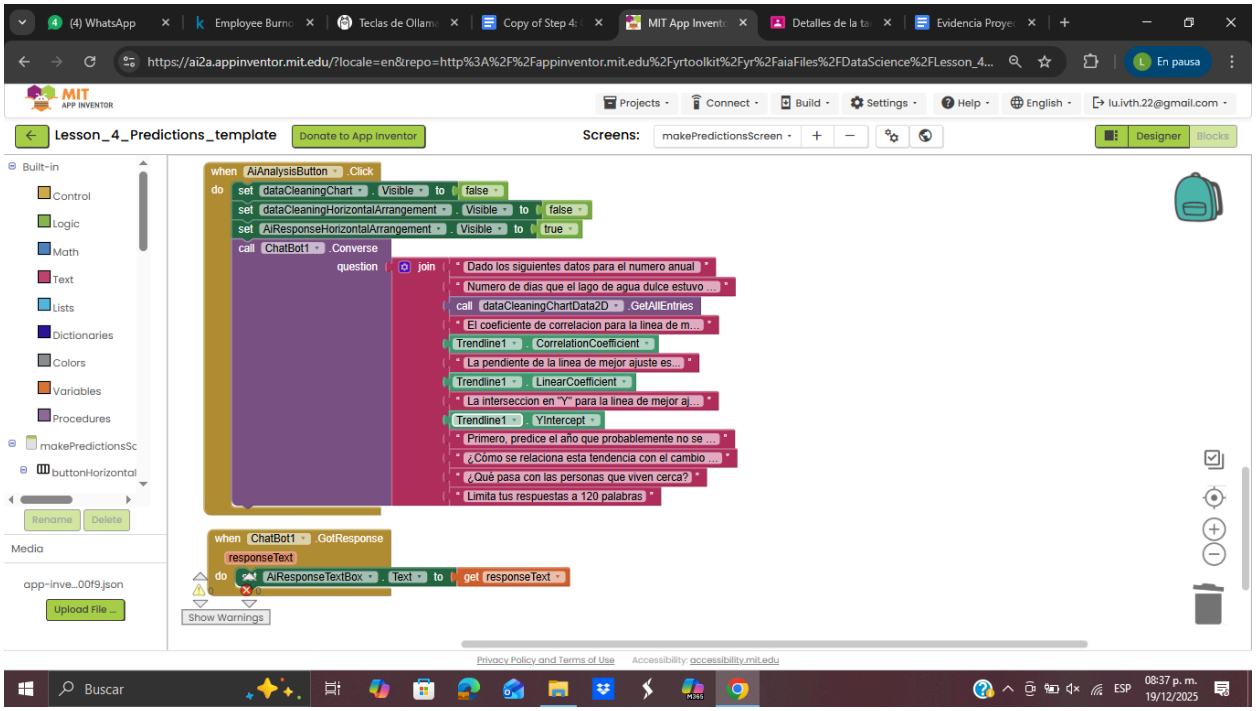
Lesson_4_Predictions_template
Donate to App Inventor
Screens:
makePredictionsScreen
Designer
Blocks
when AIAnalysisButton .Click
do set dataCleaningChart . Visible to false
set dataCleaningHorizontalArrangement . Visible to false
set AIResponseHorizontalArrangement . Visible to true
call ChatBot1 .Converse
question join "Dado los siguientes datos para el numero anual"
"Numero de dias que el lago de agua dulce estuvo ..."
call dataCleaningChartData2D .GetAllEntries
"El coeficiente de correlacion para la linea de m..."
Trendline1 . CorrelationCoefficient
"La pendiente de la linea de mejor ajuste es..."
Trendline1 . LinearCoefficient
"La interseccion en "Y" para la linea de mejor aj..."
Trendline1 . YIntercept
"Primero, predice el año que probablemente no se ..."
"¿Cómo se relaciona esta tendencia con el cambio ..."
"¿Qué pasa con las personas que viven cerca?"
"Limita tus respuestas a 120 palabras"
when ChatBot1 .GotResponse
responseText
do set AIResponseTextBox . Text to get responseText
Show Warnings
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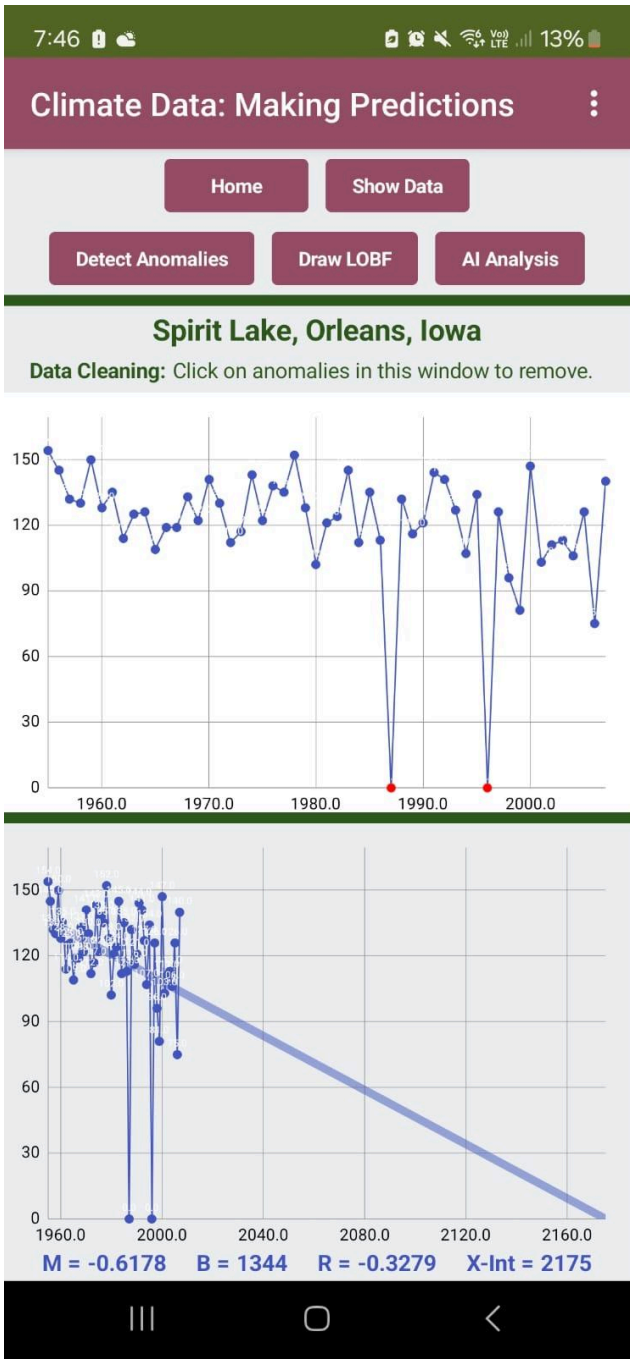
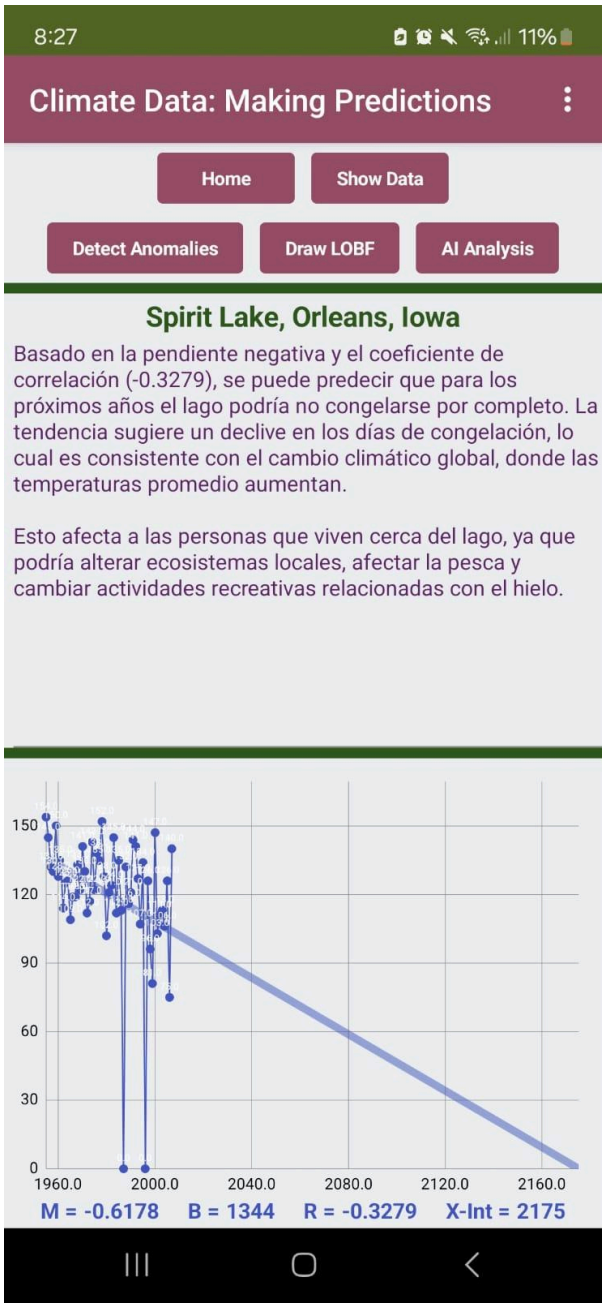

7:46
13%
Climate Data: Making Predictions
Home
Show Data
Detect Anomalies
Draw LOBF
AI Analysis
Spirit Lake, Orleans, Iowa
Data Cleaning: Click on anomalies in this window to remove.
150
120
90
60
30
0
1960.0
1970.0
1980.0
1990.0
2000.0
2040.0
2080.0
2120.0
2160.0
M = -0.6178
B = 1344
R = -0.3279
X-Int = 2175


8:27
11%
Climate Data: Making Predictions
Home
Show Data
Detect Anomalies
Draw LOBF
AI Analysis
Spirit Lake, Orleans, Iowa
Basado en la pendiente negativa y el coeficiente de correlación (-0.3279), se puede predecir que para los próximos años el lago podría no congelarse por completo. La tendencia sugiere un declive en los días de congelación, lo cual es consistente con el cambio climático global, donde las temperaturas promedio aumentan.
Esto afecta a las personas que viven cerca del lago, ya que podría alterar ecosistemas locales, afectar la pesca y cambiar actividades recreativas relacionadas con el hielo.
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