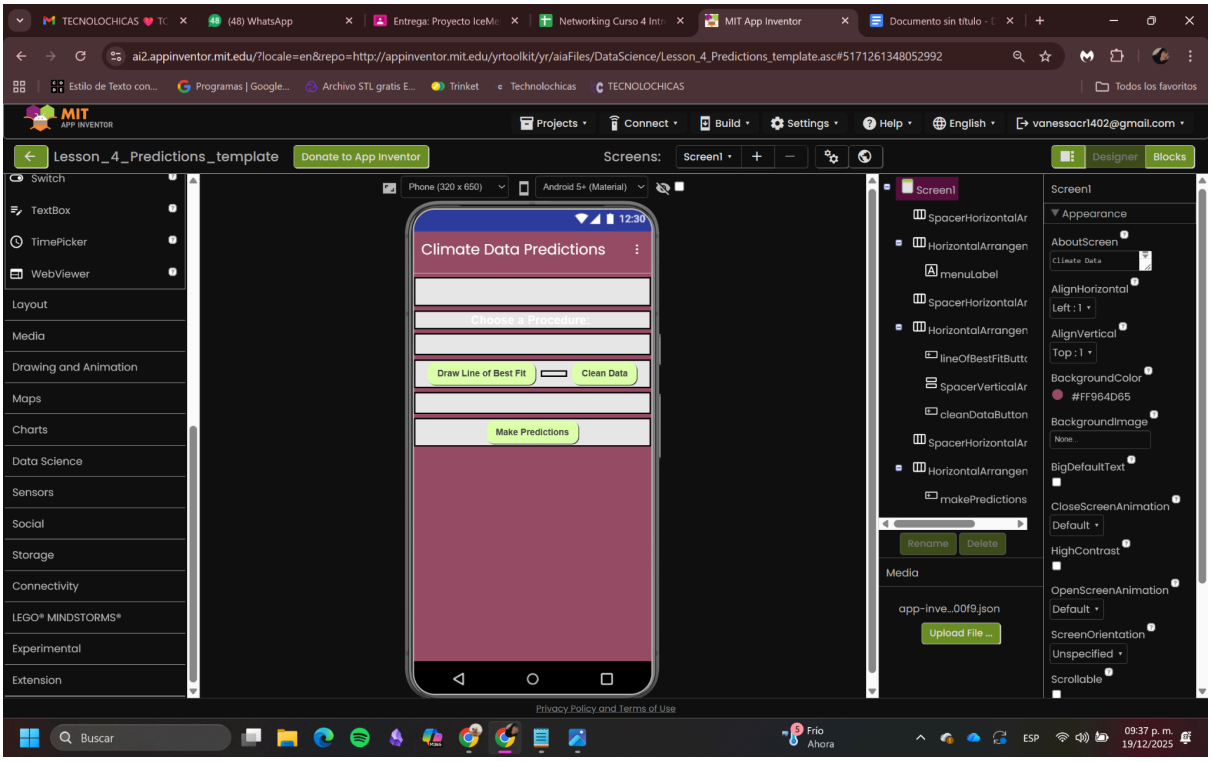
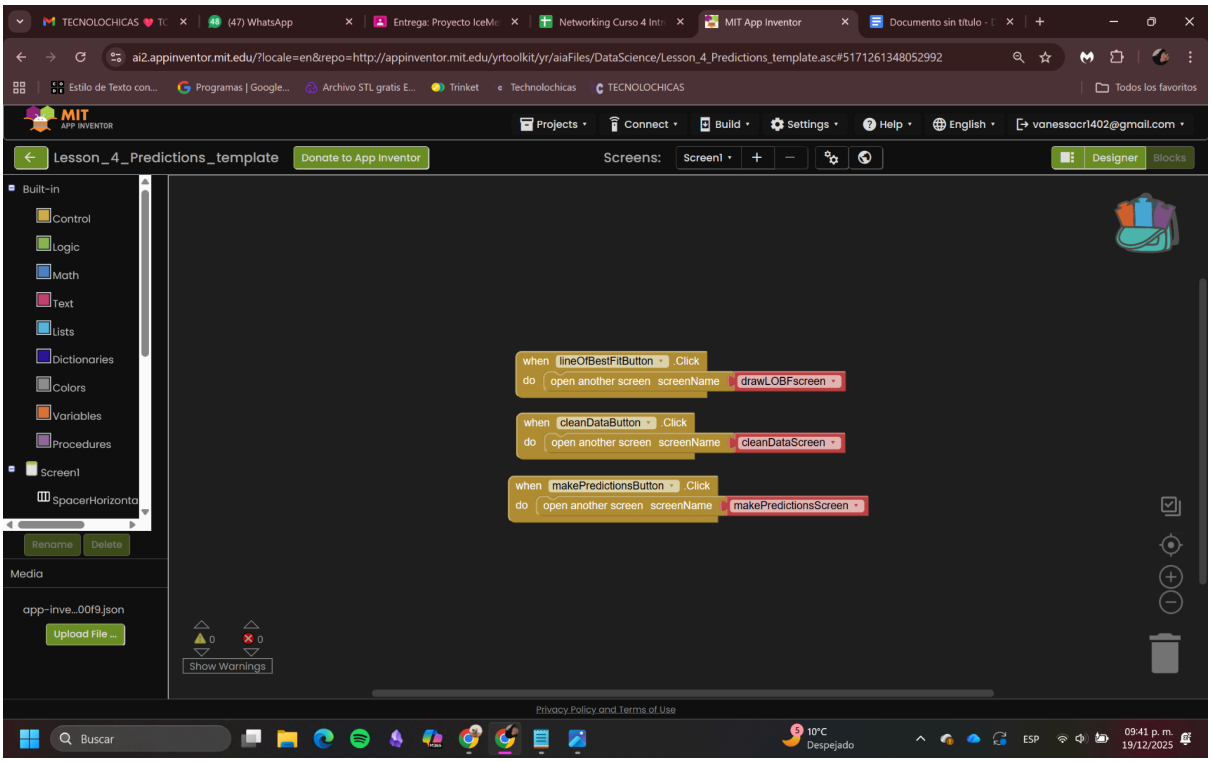
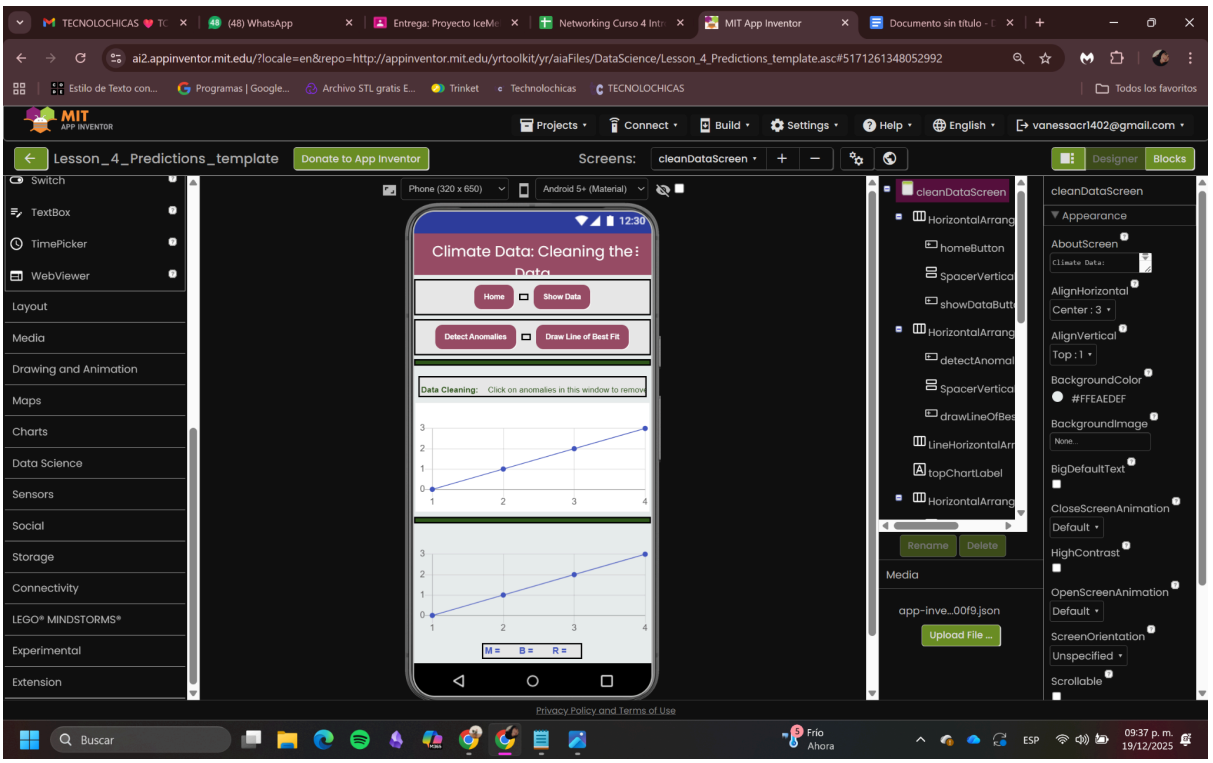
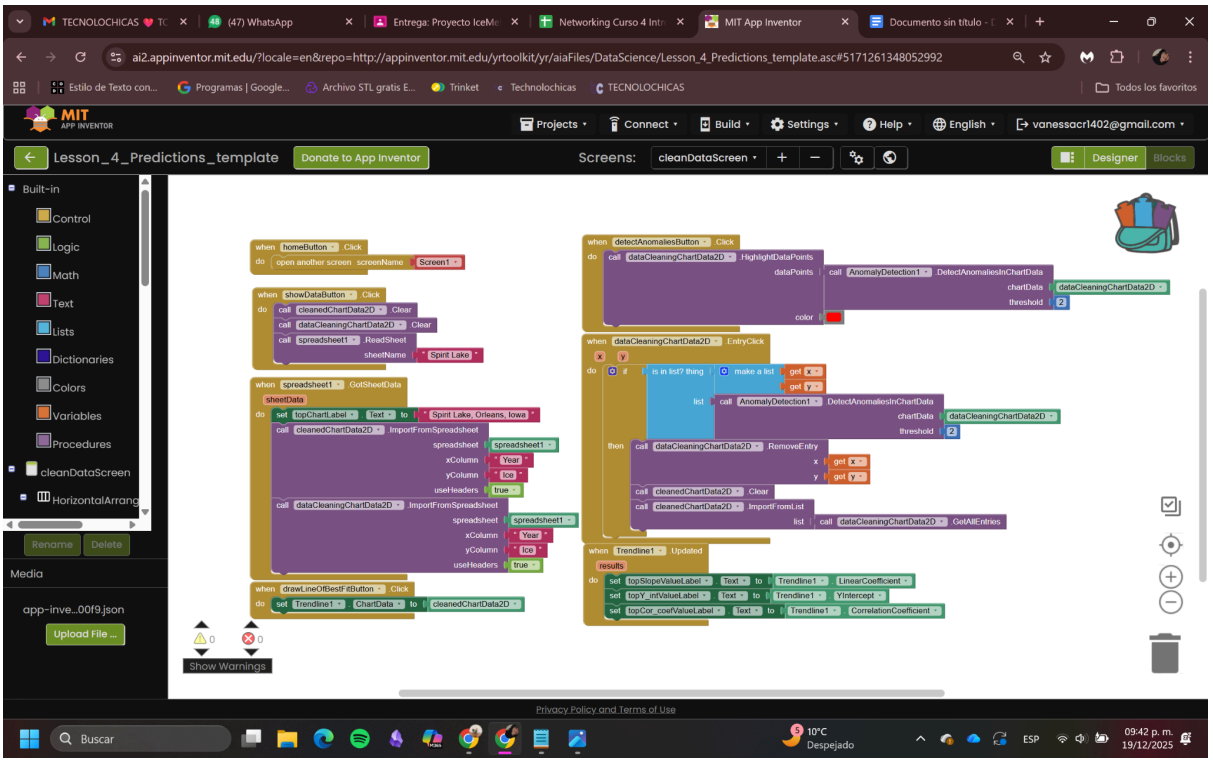
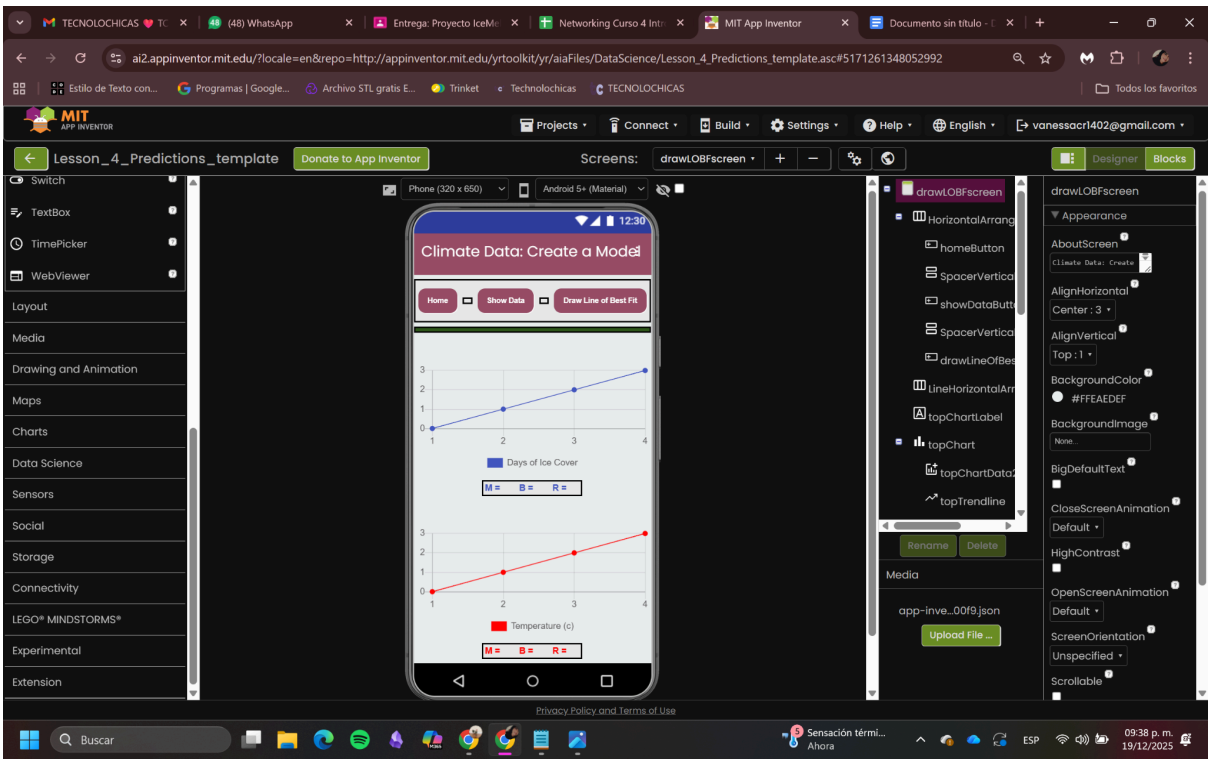
Nidia Vanessa Chávez Rendón

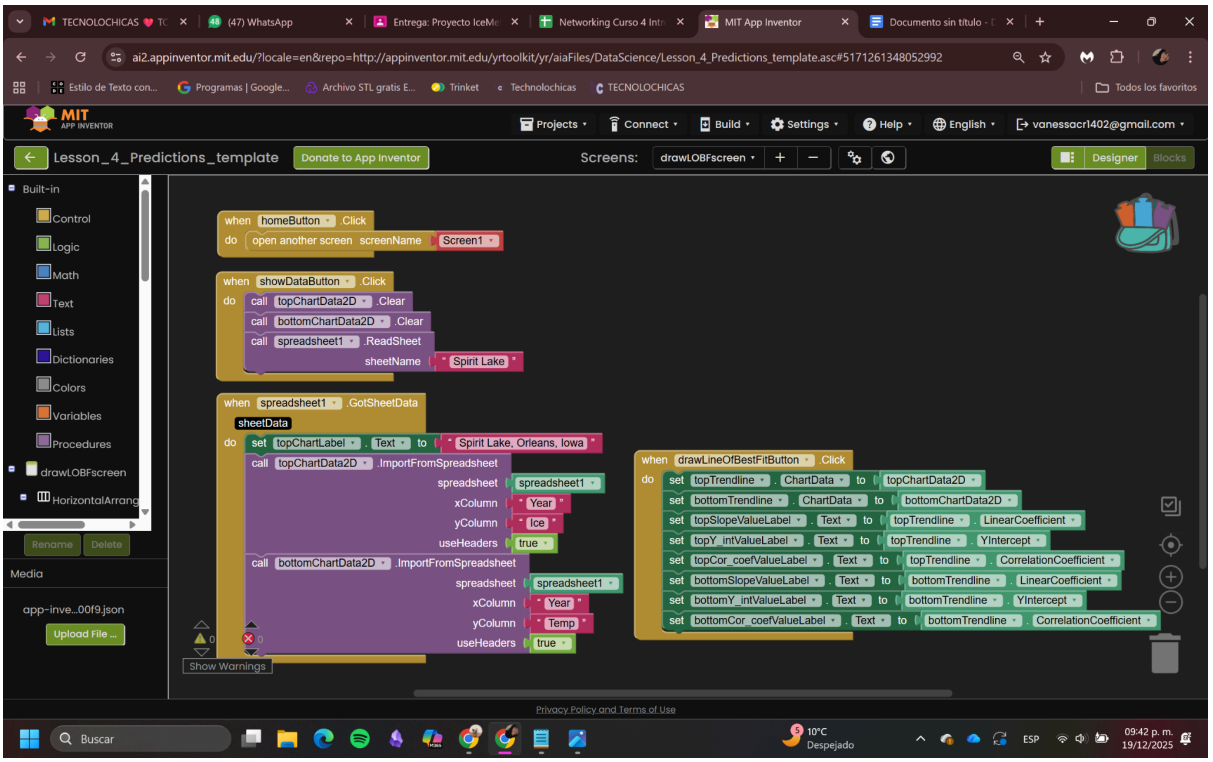


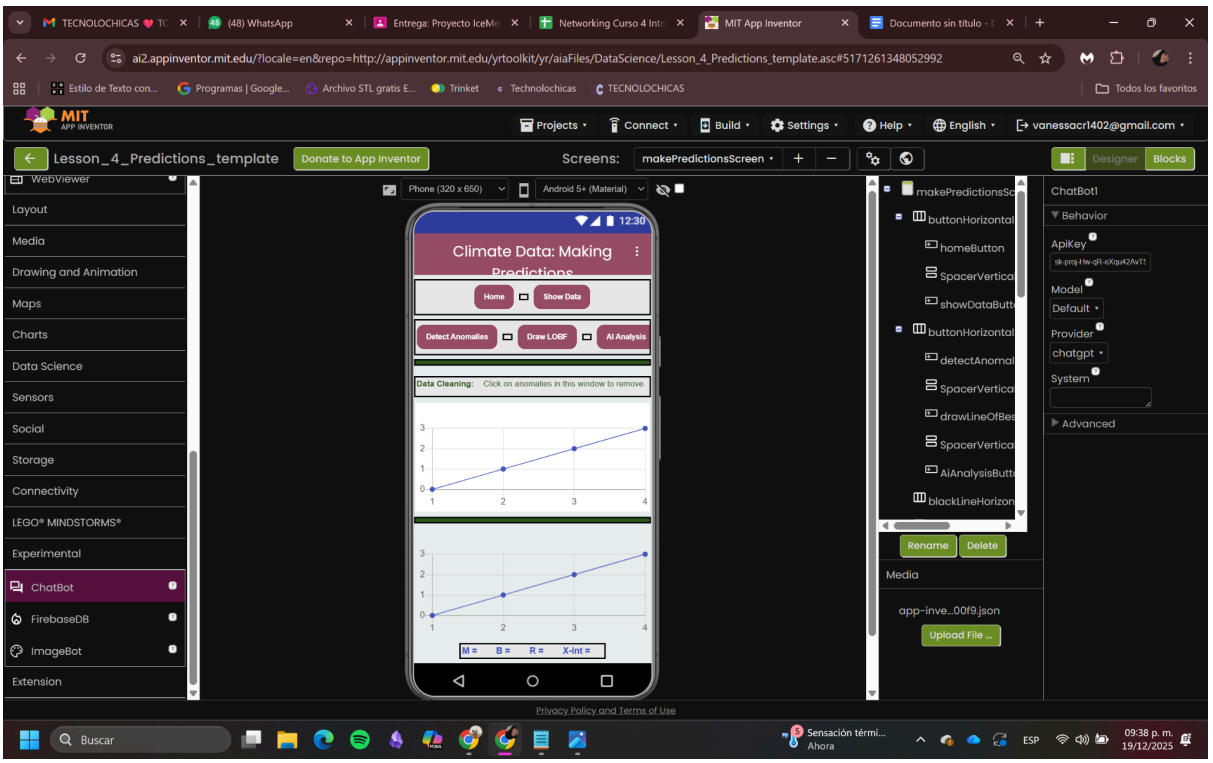


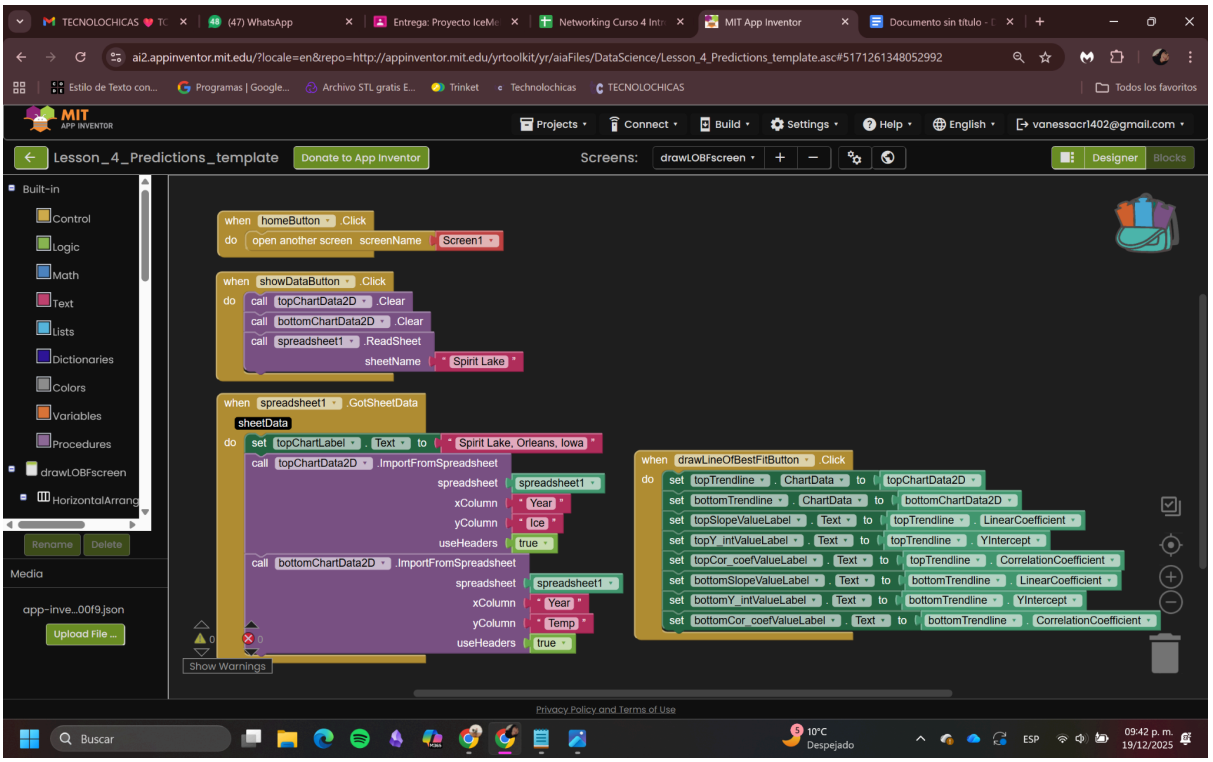

Lesson_4_Predictions_template
Donate to App Inventor
Screens: cleanDataScreen
Designer
Blocks
Climate Data: Cleaning the Data
Home
Show Data
Detect Anomalies
Draw Line of Best Fit
Data Cleaning: Click on anomalies in this window to remove
Upload File ...


Lesson_4_Predictions_template
Donate to App Inventor
Screens: cleanDataScreen
Designer
Blocks
Upload File ...
Show Warnings


Lesson_4_Predictions_template
Donate to App Inventor
Screens:
drawLOBFscreen
Designer
Blocks
Switch
TextBox
TimePicker
WebViewer
Layout
Media
Drawing and Animation
Maps
Charts
Data Science
Sensors
Social
Storage
Connectivity
LEGO® MINDSTORMS®
Experimental
Extension
Climate Data: Create a Model
Home
Show Data
Draw Line of Best Fit
Days of Ice Cover
Temperature (c)
drawLOBFscreen
HorizontalArrang
homeButton
SpacerVertica
showDataButt
SpacerVertica
drawLineOfBes
LineHorizontalAr
topChartLabel
topChart
topChartData2
topTrendline
Rename
Delete
Media
app-inve...00f9.json
Upload File ...
Appearance
AboutScreen
AlignHorizontal
Center : 3
AlignVertical
Top : 1
BackgroundColor
#FFEAEDEF
BackgroundImage
BigDefaultText
CloseScreenAnimation
Default
HighContrast
OpenScreenAnimation
Default
ScreenOrientation
Unspecified
Scrollable
Privacy Policy and Terms of Use


Lesson_4_Predictions_template
Donate to App Inventor
Screens:
drawLOBFscreen
Designer
Blocks
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
drawLOBFscreen
HorizontalArrang
when homeButton .Click
do open another screen screenName Screen1
when showDataButton .Click
do call topChartData2D .Clear
call bottomChartData2D .Clear
call spreadsheet1 .ReadSheet
sheetName " Spirit 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
call bottomChartData2D .ImportFromSpreadsheet
spreadsheet spreadsheet1
xColumn " Year "
yColumn " Temp "
useHeaders true
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
Rename
Delete
Media
app-inve...00f9.json
Upload File ...
Show Warnings
Privacy Policy and Terms of Use


Lesson_4_Predictions_template
Donate to App Inventor
Screens: makePredictionsScreen
Climate Data: Making Predictions
Home
Show Data
Detect Anomalies
Draw LOBF
AI Analysis
Data Cleaning: Click on anomalies in this window to remove.
M = B = R = X-Int =
ChatBot1
Behavior
ApiKey
Model
Default
Provider
chatgpt
System
Advanced
Rename
Delete
Media
app-inve...00f9.json
Upload File ...


Lesson_4_Predictions_template
Donate to App Inventor
Screens: drawLOBFscreen
when homeButton .Click
do open another screen screenName Screen1
when showDataButton .Click
do call topChartData2D .Clear
call bottomChartData2D .Clear
call spreadsheet1 .ReadSheet
sheetName "Spirit 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
call bottomChartData2D .ImportFromSpreadsheet
spreadsheet spreadsheet1
xColumn "Year"
yColumn "Temp"
useHeaders true
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
Show Warnings

8:26

Climate Data: Making Predictions

Home | Show Data

Detect Anomalies | Draw LOBF | AI Analysis

Spirit Lake, Orleans, Iowa

Basado en la tendencia observada, se puede predecir que el lago probablemente no se congelará en el año 2007, ya que ha habido un aumento en la temperatura y una disminución significativa en los días de congelación a lo largo de los años.

Esta tendencia puede estar relacionada con el cambio climático, donde el aumento de las temperaturas globales afecta los patrones climáticos locales. Esto puede tener un impacto negativo en las personas que viven cerca, ya que dependen del lago para actividades recreativas, pesca y como fuente de agua dulce. La falta de congelación también puede alterar el ecosistema local, afectando la fauna y flora que dependen de este hábitat.

M = -0.6178 B = 1344 R = -0.3279 X-Int = 2175