



Lesson_4_Predictions_template

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Projects Connect Build Settings Help English cmayorga140@gmail.com

Screens:

Screen1

+

-

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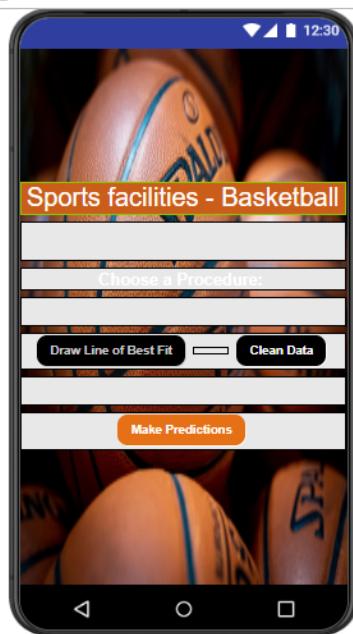
🌐

Designer Blocks

Type / to search components

User Interface

- Button
- CheckBox
- CircularProgress
- DatePicker
- Image
- Label
- LinearProgress
- ListPicker
- ListView
- Notifier
- PasswordTextBox
- Slider



Screen

Label

SpacerHorizontal

HorizontalArrang

menuLabel

SpacerHorizontal

HorizontalArrang

lineOfBestFitBu

SpacerVertical

cleanDataButt

SpacerHorizontal

HorizontalArrang

Rename Delete

Media

ball-761..._l280.jpg

Upload File ...

#FFCA5DIA

FontBold

FontItalic

FontSize 28

FontTypeface default...

HTMLFormat

HasMargins

Height 30 pixels...

Width Fill parent...

Text Sports facilities -

TextAlignment center : 1

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Screens:

Screen + - ⚙️ 🌐

Designer Blocks



Built-in

Control

Logic

Math

Text

Lists

Dictionaries

Colors

Variables

Procedures

Screen1

Label1

Media

ball-761..._1280.jpg

Upload File ...

```
when lineOfBestFitButton .Click
do [open another screen screenName drawLOBFscreen]

when cleanDataButton .Click
do [open another screen screenName cleanDataScreen]

when makePredictionsButton .Click
do [open another screen screenName makePredictionsScreen]
```



Show Warnings



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MIT APP INVENTOR

Lessons _ Predictions _ template Donate to App Inventor

Screens: cleanDataScreen + - ⚙️ ⚙️

User Interface

- Button
- CheckBox
- CircularProgress
- DatePicker
- Image
- Label
- LinearProgress
- ListPicker
- ListView
- Notifier
- PasswordTextBox
- Slider

Phone (320 x 650) Android 5+ (Material)

cleanDataScreen

cleanDataScreen

- HorizontalArrang
- homeButton
- SpacerVertica
- showDataButt
- HorizontalArrang
- detectAnomal
- SpacerVertica
- drawLineOfBe
- LineHorizontalArr
- topChartLabel
- HorizontalArrang
- Rename
- Delete

Data Cleaning: Click on anomalies in this window to remove

1 2 3 4

1 2 3 4

M = B = R =

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Designer Blocks

AlignHorizontal
Center : 3

AlignVertical
Top : 1

BackgroundColor
#FFCA5D1A

BackgroundImage
None...

BigDefaultText

CloseScreenAnimation
Default

HighContrast

OpenScreenAnimation
Default

ScreenOrientation
Unspecified

Scalable

Upload File ...



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Lesson_4_Predictions_template

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Screens:

cleanDataScreen

+

-

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Built-in

Control

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Text

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Variables

Procedures

cleanDataScreen

HorizontalArrang

Rename Delete

Media



Upload File ...

```
when homeButton .Click
do open another screen screenName [ Screen1 ]  
  
when showDataButton .Click
do call cleanedChartData2D .Clear
call dataCleaningChartData2D .Clear
call spreadsheet1 .ReadSheet
sheetName [ deportesBaloncesto ]  
  
when spreadsheet1 .GetSheetData
sheetData  
do set topCharLabel .Text to [ Espacio Deportivo, Actividad Deportiva,Tipo pavi. ]  
call cleanedChartData2D .ImportFromSpreadsheet
spreadsheet [ spreadsheet1 ]
xColumn [ *NOMBRE* ]
yColumn [ *SDOGEOMETRIA* ]
useHeaders [ true ]  
call dataCleaningChartData2D .ImportFromSpreadsheet
spreadsheet [ spreadsheet1 ]
xColumn [ *YenNOMBREar* ]
yColumn [ *SDOGEOMETRIA* ]
useHeaders [ true ]  
  
when drawLineOfBestFitButton .Click
do set Trendline1 .ChartData to [ cleanedChartData2D ]
```

```
when detectAnomaliesButton .Click
do call dataCleaningChartData2D .HighlightDataPoints
dataPoints [ ] call AnomalyDetection1 .DetectedAnomaliesInChartData
chartData [ dataCleaningChartData2D ]
threshold [ 2 ] color [ red ]  
  
when dataCleaningChartData2D .EntryClick
do [ x | y ] if [ is in list? thing | make a list | get x | get y ]
list [ ] call AnomalyDetection1 .DetectedAnomaliesInChartData
chartData [ dataCleaningChartData2D ]
threshold [ 2 ]  
then 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 topSlopeValueLabel .Text to [ Trendline1 .LinearCoefficient ]
set topY_intValueLabel .Text to [ Trendline1 .YIntercept ]
set topCor_coefValueLabel .Text to [ Trendline1 .CorrelationCoefficient ]
```

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Type / to search components

User Interface

- Button
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- DatePicker
- Image
- Label
- LinearProgress
- ListPicker
- ListView
- Notifier
- PasswordTextBox
- Slider



Screens:

drawLOBFscreen

+

-

⚙

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Designer Blocks

Climate Data: Create

- HorizontalArrang
- homeButton
- SpacerVertica
- showDataButt
- SpacerVertica
- drawLineOfBe
- LineHorizontalArr
- topChartLabel
- topChart
- topChartData
- topTrendline
- BigDefaultText
- CloseScreenAnimation
- Default
- HighContrast
- OpenScreenAnimation
- Default
- ScreenOrientation
- Unspecified
- Scrollable

BackgroundColor: #FFEADEF

BackgroundImage: ball-7610545_1280.jpg

Rename Delete

Media

ball-7610545_1280.jpg

Upload File ...

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MIT APP INVENTOR

Lessons _4_Predictions_template Donate to App Inventor

Screens: drawLOBFscreen + ⚙️ 🌐

Designer Blocks

Built-in

- Control
- Logic
- Math
- Text
- Lists
- Dictionaries
- Colors
- Variables
- Procedures

drawLOBFscreen

HorizontalArrang

Rename Delete

Media

ball-761..._1280.jpg

Upload File ...

Show Warnings

when homeButton.Click
do open another screen screenName Screen1

when showDataButton.Click
do call topChartData2D.Clear
call bottomChartData2D.Clear
call spreadsheet1.ReadSheet
sheetName deportesBaloncesto

when spreadsheet1.GotSheetData
sheetData
do set topChartLabel.Text to Espacio Deportivo,Actividad Deportiva,Tipo pavi...
call topChartData2D.ImportFromSpreadsheet
spreadsheet spreadsheet1
xColumn "INOMBRE"
yColumn "SDOGEOMETRIA"
useHeaders true
call bottomChartData2D.ImportFromSpreadsheet
spreadsheet spreadsheet1
xColumn "NOMBRE"
yColumn "DESCRIPCION"
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

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

when showDataButton.Click
do call topChartData2D.Clear
call bottomChartData2D.Clear
call spreadsheet1.ReadSheet
sheetName deportesBaloncesto

when spreadsheet1.GotSheetData
sheetData
do set topChartLabel.Text to Espacio Deportivo,Actividad Deportiva,Tipo pavi...
call topChartData2D.ImportFromSpreadsheet
spreadsheet spreadsheet1
xColumn "INOMBRE"
yColumn "SDOGEOMETRIA"
useHeaders true
call bottomChartData2D.ImportFromSpreadsheet
spreadsheet spreadsheet1
xColumn "NOMBRE"
yColumn "DESCRIPCION"
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
```

The screenshot shows the MIT App Inventor Designer interface for a project titled "Lesson_4_Predictions_template". The interface includes:

- Left Panel (User Interface):** A list of UI components: Button, CheckBox, CircularProgressIndicator, DatePicker, Image, Label, LinearProgress, ListPicker, ListView, Notifier, PasswordTextBox, and Slider.
- Middle Panel (Screens):** A preview of the "makePredictionsScreen" showing a mobile phone interface with tabs for Home, Show Data, Detect Anomalies, Draw LOBF, and AI Analysis. Below these is a "Data Cleaning" section with a scatter plot of points (1,0), (2,1), (3,2), (4,3) on a grid. At the bottom is a linear regression equation calculator with fields for M, B, R, and X-Int.
- Right Panel (Properties):** A tree view of the screen's components and their properties. The "buttonHorizontal" component for "Draw LOBF" is selected, showing its properties:
 - Color: #FFCA5D1A
 - FontBold: checked
 - FontItalic: unchecked
 - FontSize: 12
 - FontTypeface: default...
 - Height: 33 pixels...
 - Width: Automatic...
 - Image: None...
 - Shape: rounded
 - ShowFeedback: checked
 - Text: Draw LOBF
- Bottom Navigation:** Buttons for Rename, Delete, Media, and Upload File.

The screenshot shows the MIT App Inventor 2 workspace with the following details:

- Top Bar:** Includes the MIT logo, user account information (English, cmayorga14@gmail.com), and navigation buttons for Projects, Connect, Build, Settings, Help, and a globe icon.
- Left Sidebar:** A tree view showing the project structure:
 - Built-in
 - Control
 - Logic
 - Math
 - Text
 - Lists
 - Dictionaries
 - Colors
 - Variables
 - Procedures- Specific screen definitions for "makePredictionsScreen" and "buttonHorizontal".
- Bottom Left:** Buttons for Rename, Delete, Media, and a warning icon with a count of 0. Below these are file upload and download buttons for "ball-761...1280.jpg".
- Bottom Center:** Buttons for Show Warnings and Upload File ...
- Right Side:** A teal backpack icon and a vertical toolbar with icons for checkmark, horizontal line, plus, minus, and a trash can.
- Code Area:** The main workspace contains several blocks of code for different events:
 - Home button click: Opens another screen named "Screen1".
 - Spreadsheet button click: Imports data from a spreadsheet into "cleanedChartData2D". It specifies columns for Nombre and SODIGEOMETRIA, and uses headers.
 - Draw line/best fit button click: Sets Trendline1's ChartData to cleanedChartData2D.
 - Chatbot response: Sets responseText and AIResponseTextBox.Text to getResponseText.
 - Show data button click: Clears dataCleaningChartData2D, reads a sheet from a spreadsheet, and sets dataCleaningChart's Visible to true.
 - Anomaly detection button click: Highlights data points in cleanedChartData2D based on AnomalyDetection1.DetectAnomaliesInChartData.
 - Data cleaning chart entry click: Removes entries from cleanedChartData2D, clears it, imports from a list, and extends domain to include XIntercepts.
 - Trendline update results: Sets various labels (SlopeValueLabel, YInterceptValueLabel, CorrelationCoefficientLabel, XInterceptValueLabel) to their respective values from Trendline1.



Lesson_4_Predictions_template

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Built-in

Control

Logic

Math

Text

Lists

Dictionaries

Colors

Variables

Procedures

makePredictionsSc

buttonHorizontal

Rename Delete

Media



Upload File ...

when homeButton1.Click
do open another screen screenName [Screen1]when spreadsheet1.GotSheetData
sheetDatado set topCharLabel1.Text to [* Espacio Deportivo,A
call cleanedChartData2D1.ImportFromSpreadsheet
spreadsheet1
xColumn
yColumn
useHeaders
truecall dataCleaningChartData2D1.ImportFromSpreadsheet
spreadsheet1
xColumn
yColumn
useHeaderswhen detectAnomaliesButton1.Click
do call dataCleaningChartData2D1.HighlightDataPoints
dataPoints
call

color [red]

when dataCleaningChartData2D1.EntryClick
do call dataCleaningChartData2D1.RemoveEntry
x [get x]
y [get y]call cleanedChartData2D1.Clear
call cleanedChartData2D1.ImportFromList
list [call dataCleaningChartData2D1.GetAllEntries]

Android App for Lesson_4_Predictions_template



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

Coefficient
set YIntValueLabel1.Text to round [Trendline1.YIntercept]
set CorCoeffValueLabel1.Text to [Trendline1.CompletionCoefficient]
set XIntValueLabel1.Text to round [Trendline1.XIntercepts]
call cleanedDataChart1.ExtendDomainToInclude
x [Trendline1.XIntercepts]

when AIAnalysisButton1.Click
do

set dataCleaningChart1.Visible to false

set dataCleaningHorizontalArrangement1.Visible to false

set AIAnalysisButton1.Visible to true

call ChatBot1.Converse

question [join [Dados los siguientes datos para el uso:
Número de días que una cancha no se usó:
call cleanedChartData2D1.GetAllEntries
El espacio de cancha para la elección de mejor a...
Trendline1.CompletionCoefficient
El espacio de cancha para las medidas de la...
Trendline1.LinearCoefficient
La intersección con el eje y para la linea de me...
Trendline1.YIntercept
Primero, proceder el día en el que probablemente...
Cancha de baloncesto muestra de espacio y
Todos los pasos. A continuación, ¿cuáles son las...
¿Son estos datos referentes al cambio de deporte?
Límite su respuesta a 120 palabras.]

Estado de la batería: 24% restante
1h 16min
Ahorro de energía activado

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