# **Multi-variate Linear Regression**

## **Multiple features**

Diagram

Description automatically generated with medium confidenceDiagram

Description automatically generated with medium confidence

Table

Description automatically generatedGraphical user interface, text, application

Description automatically generated

A picture containing chart

Description automatically generatedText, whiteboard

Description automatically generatedChart, line chart

Description automatically generated

Graphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated

## **Gradient Descent for Multiple features**

Graphical user interface, text

Description automatically generated with medium confidence  


Diagram

Description automatically generated

## **Gradient Descent in Practice-1 Feature Scaling**

Diagram

Description automatically generated

Diagram

Description automatically generatedText, letter

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, letter, email

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated

## **Gradient Descent in Practice-2 Learning Rate**

Text, letter

Description automatically generatedText

Description automatically generatedVisualizing the cost functionChart

Description automatically generatedVisualization Gradient DescentChart, line chart

Description automatically generated

Diagram

Description automatically generated

Diagram

Description automatically generated

Text

Description automatically generated

## **Features and Polynomial Regression**

Diagram

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Graphical user interface, text, application, email

Description automatically generated

# **Computing Parameters analytically**

## **Normal Equation**

## **Normal Equation Non-Invertibility**