Coursera Math Course:

1. **Linear Algebra**
   1. Vectors, Matrices
   2. Linear Transformation
   3. System of Equations
   4. Determinants
   5. (NN) Deep Learning Operations ( Matrix with Functions of Activations)
2. **Calculus**
   1. Maximazing and Minimizing Fuctions
   2. Cost Function
   3. Gradient Decent
   4. ADAM
   5. Optimazers
3. **Probability and Statistics**
   1. P-value
   2. Probability
   3. Maximum Likehood

**First Course** **– Linear Algebra**

A screenshot of a math test

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A close up of text

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Linear Algebra and Machine Learning

1. Linear Regression ( y=Wx+b)

* System of Linear Equations

A math equations on a white background

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A screenshot of a math equation

Description automatically generated

System of Equations

A screenshot of a math class

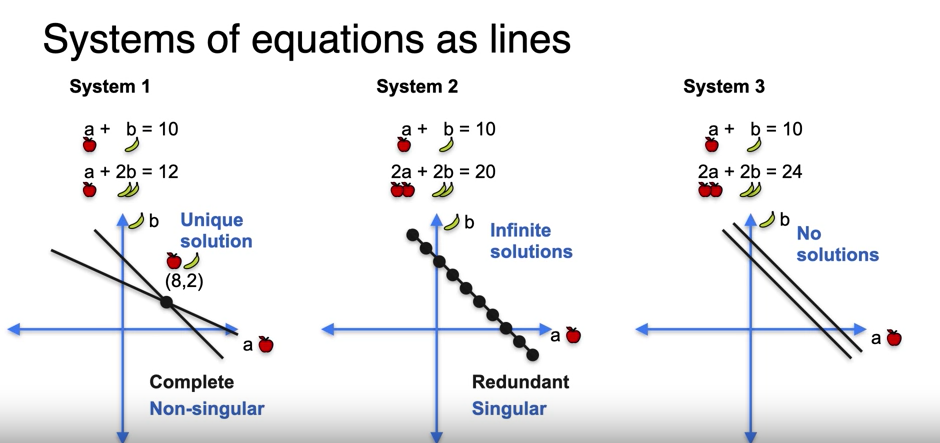
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A diagram of a graph

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A graph of a line

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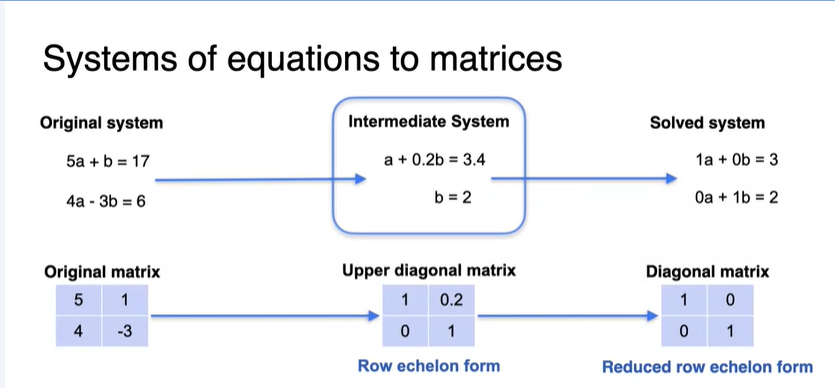


A white paper with blue squares and black text

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A screenshot of a graph

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A screenshot of a math game

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A diagram of a graph

Description automatically generated

A diagram of mathematical equations

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A screenshot of a math problem

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Linear Algebra and Machine Learning

1. Derivative
   1. Functions
   2. Sum rule, chain rule, product rule
   3. Maximazer or minimizer

A graph of a function

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A math equations on a white background

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A group of gold coins with black text

Description automatically generated

A screenshot of a math problem

Description automatically generated

A graph of a function

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A graph of a function

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A diagram of a function

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