

# Machine Learning

Gautham Kolluru

14 Feb, 2019

# Contents

<b>Machine Learning</b>	<b>3</b>
Machine Learning Types . . . . .	3
<b>Supervised Learning</b>	<b>4</b>
Supervised Learning Details . . . . .	4
Types of Problems . . . . .	4
<b>Classification</b>	<b>5</b>
Classification Algorithms . . . . .	5
<b>Regression</b>	<b>6</b>
Regression Algorithms . . . . .	6

# Machine Learning

## Machine Learning Types

- Supervised: *Output Known*
- Unsupervised: *Output Unknown*
- Reinforcement

# Supervised Learning

## Supervised Learning Details

*Output is known*

### Types of Problems

- Classification
- Regression

## **Classification**

### **Classification Algorithms**

- Logistic Regression
- KNN
- Decision Tree

# Regression

## Regression Algorithms

- Linear Regression
- Support Vector Machines