Hi Everyone Good Afternoon!!

EE2211 Introduction to Machine Learning

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Slides @ tiny.cc/ee2211tut

HELLO!

I am Dingjuan!

You can find me at elechuad@nus.edu.sg

EE2211 4% Participation Marks

◉ Physical f2f tutorials will <mark>NOT</mark> be recorded.

◉ Attendance!
  ◉ You can attend either of my tutorial slots.

  ◉ T14 Tuesday 2-4PM (E1-06-16) – 2-3PM for tutorial discussion
  ◉ T22 Friday 12-2PM (E3-06-08) – 12-1PM for tutorial discussion

  ◉ If you are on MC, please do let me know!

  ◉ Polleverywhere → Use NUS user ID (e01234567) to participate.
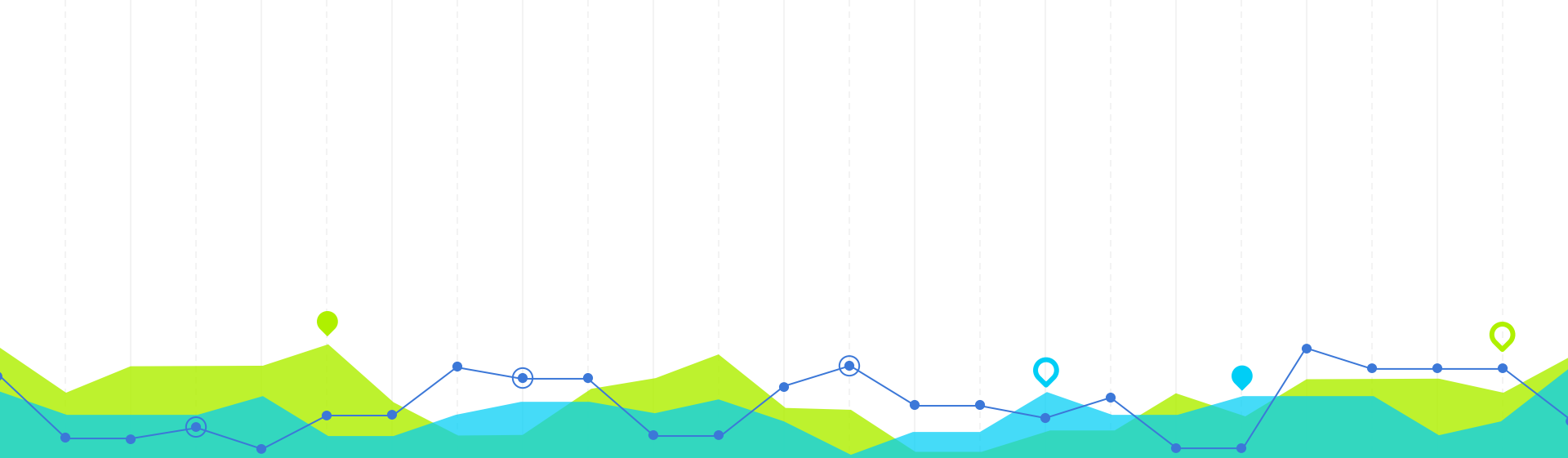
Tutorial 1

Let's start with a brief summary

Brief Summary of Key Points in Tutorial 1

◉ **Def of Machine Learning (1988)**

A computer program is said to learn from experience E, with respect to some task T, and some performance measure P, if its performance on T, as measured by P, improves with experience E.

◉ **Supervised vs Unsupervised**

	Supervised Learning	Unsupervised Learning
Discrete	Classification	Clustering
Continuous	Regression	Dimensionality Reduction

Supervised : "Correct answer given" (labelled data)

◉ **Inductive vs Deductive**

Probabilistic (not 100%)

100% Deterministic (no randomness)

Let's go through the questions using PollEverywhere

Go to pollev.com/cdj

For Tutorial 2

- Tutorial 2 requires the following python libraries
  - pandas
  - matplotlib
  - numpy
  - sklearn (scikit)

- Datacamp is a great resource for self-paced no stress practice / learning.

Note...

- Often for programming based questions, there are multiple solutions possible.

- NOT restricted to a single solution!

- Try!

- Reference to official documentation and different tutorials and examples online would be helpful in understanding how certain functions / codes work.

For Tutorial 2

Pandas & Matplotlib
- ppt in google drive