

Hi Everyone Good Afternoon!!



EE2211 Introduction to Machine Learning

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Slides @ tiny.cc/ee2211tut

HELLO!

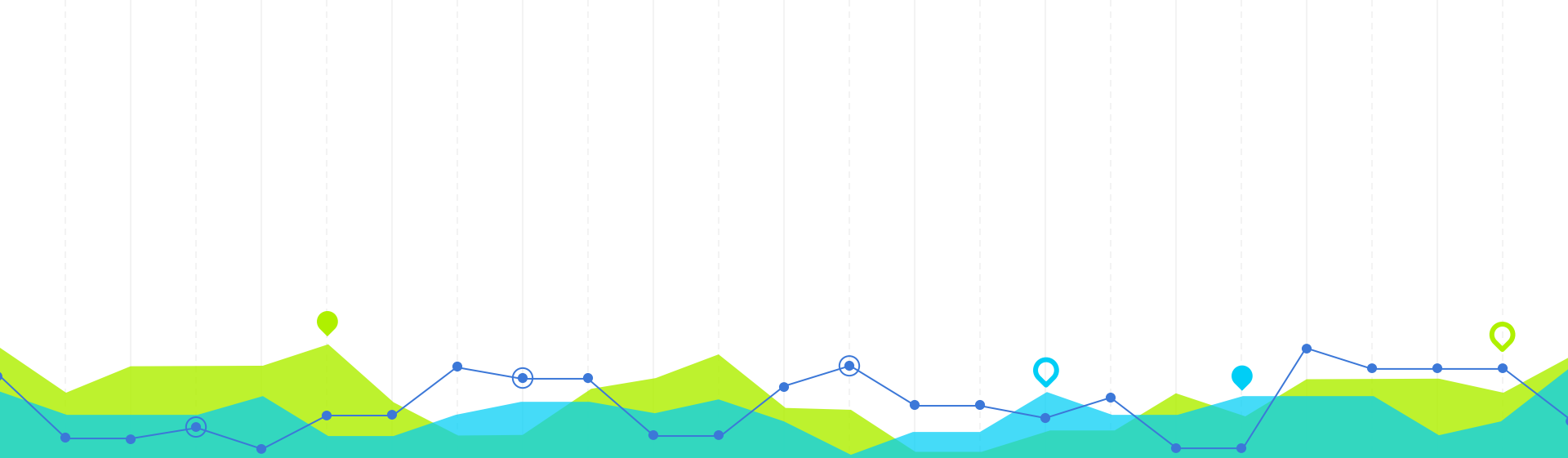
I am Dingjuan!

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



EE2211 4% Participation Marks

- Physical f2f tutorials will **NOT** 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.



The background of the slide features a teal-to-white gradient. A decorative line graph is positioned horizontally across the middle. The graph consists of a blue line with circular markers, some of which are highlighted with a white border. Below the line, there are two shaded areas: a light green one on top and a light blue one on the bottom, both following the general shape of the line. The text 'For Tutorial 2' is centered in the upper half of the slide in a bold, blue font.

For Tutorial 2

Pandas & Matplotlib

- ppt in google drive