

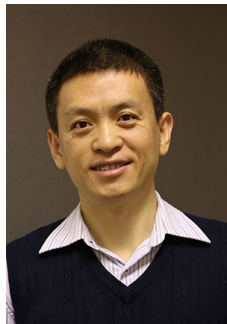
# COM4509/6509 Machine Learning and Adaptive Intelligence

Department of Computer Science,  
The University of Sheffield

# Instructors



Dr. Mauricio A. Álvarez  
(Module leader)



Dr. Haiping Lu

# Teaching assistants (I)



Shuo Zhou



Yan Ge

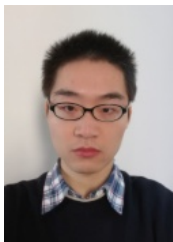


Li Zhang



Senee Kitimoon

## Teaching assistants (II)



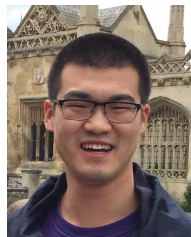
Chao Han



Mingjie Chen



Nada AbdelRahman



Chunchao Ma

# Content of the module

<b>Week</b>	<b>Starting</b>	<b>Subject</b>	<b>Lecturer</b>
1	Sept 30	Intro. to ML and Review of Probability	MA
2	Oct 7	Objective functions	MA
3	Oct 14	Linear regression	MA
4	Oct 21	Basis functions	MA
5	Oct 28	Generalisation	MA
6	Nov 4	Bayesian regression	HL
7	Nov 11	Unsupervised learning	HL
8	Nov 18	Naive Bayes	HL
9	Nov 25	Logistic regression	HL
10	Dec 2	Other topics (Guest Lecture)	NL

# Assessment (subject to Departmental coordination)

## □ Assignments

<b>Assign.</b>	<b>Subject</b>	<b>Hand out</b>	<b>Handle in</b>	<b>%</b>
1	Weeks 1 to 5	Oct 15	Oct 29 (14:00 Hrs)	20
2	Weeks 6 to 9	Nov 19	Dec 3 (14:00 Hrs)	20
Total				40%

□ First MOLE quiz, Friday Oct 18 at 17:00, 10%.

□ Second MOLE quiz, Friday Nov 22 at 17:00, 10%.

□ Final Exam (Date:TBA), 40%.

# Marking and Feedback

Taken from the Student Handbook:

“Your lecturer will mark your work within a reasonable period. A reasonable period is

- within a week, for short question sheets from small classes;
- within three working weeks, for larger pieces of work or work for very large classes (if this includes a vacation this is five weeks),”

# We will use MOLE for:

- ❑ sharing course material.
- ❑ a discussion board.
  - The discussion board IS for:
    - ▶ asking general questions about the contents of the lectures.
    - ▶ *clarifications* about the assignments.
    - ▶ if you know the answer to somebody else's question, please answer. Help your peers!
  - The discussion board IS NOT for:
    - ▶ asking how to solve the assignment.
    - ▶ give the solution to what is being asked in the assignments.
- ❑ Only email the Module leader if you have personal questions or issues. Otherwise, please use the discussion board.
- ❑ **Please, be professional and polite.**



# Discussion board management

Demonstrators responsible for managing the discussion board

<b>Labs</b>	<b>Subject</b>	<b>DB Manager</b>
1	Review of Prob.	Mingjie Chen
2	Objective functions	Shuo Zhou
3	Linear regression	Chunchao Ma
4	Basis functions	Nada AbdelRahman
5	Generalisation	Chao Han
6	Bayesian regression	Senee Kitimoon
7	Unsupervised learning	Yan Ge
8	Naive Bayes	Li Zhang
9	Logistic regression	Chunchao Ma

<b>Assignments</b>	<b>Subject</b>	<b>DB Manager</b>
1	Weeks 1 to 5	Senee Kitimoon, Mingjie Chen, Chunchao Ma, Nada AbdelRahman.
2	Weeks 6 to 9	Shuo Zhou, Li Zhang, Chao Han, Yan Ge.

# About the lecture room, and lab rooms and sessions

- ❑ You will need a GitHub account to access the labs. You can open one freely at <https://github.com/>.
- ❑ Rooms:
  - Lecture: Diamond A06, LT3. From 13:00 to 14:00.
  - Lab room (weekly) and for the quizzes: Diamond, 201 and 207, PC1 and PC3. From 12:00 to 14:00.

# Slides and Lab Notebooks

We will use the material originally developed by Prof. Neil Lawrence. The slides for the Lectures and the Lab Notebooks are in <http://inverseprobability.com/mlai2015/>.