Optional MATLAB
Tutorial Designed for Potential Researchers

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1 Contact Detail

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2 Unit Time Table

Week	MATLAB
30	Matrix and Basic Statistic in MATLAB
31	Basic Grammar in MATLAB
32	Plotting System in MATLAB
33	Necessary Statistical Inference
34	One Variable Linear, Nonlinear, Polynomial Model
35	Multi Variable Linear Model
37	Generalized Linear Model
38	Principal Component Analysis
39	Cluster Analysis

The tutorial would be held in every week from Week 29 to Week 38 except mid summer break week. The tutorial is expected to be held in Computer Lab in IMAS Waterfront Building in Friday 10am-11am, but it still needs to be discussed.

3 Learning Outcomes

After this tutorial, you are expected to have the ability to:

1. The basic programming skills via MATLAB

   - Calculating
   - Plotting
   - Arranging data.

2. The feeling about data analysis.

3. The advanced method to deal with data via simple model-building.

   - Regression model
   - Method for reducing dimensions

4 Assessment

There is no assessment for this tutorial actually, you are free to come and go. However, there would be questions during tutorial and also optional assignments after class. The person who actively responses to these would be rewarded and may get a gift in the end of this semester.