

# LSE-PKU Summer School 2019

## Big Data: Data Analytics for Business and Beyond (Tutorial Class)

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# Materials and References

## Course Materials:

We have uploaded all of materials on this course website. We will also update new materials in due course. Now you can download everything from it.

The link is as follow: <https://lpss-my201.com/>

The password for **unzip** is: 2df4

## References:

### 1. Data Science for Business

<http://shop.oreilly.com/product/0636920028918.do>

### 2. An Introduction to Statistical Learning with Applications in R

<http://www-bcf.usc.edu/~gareth/ISL/index.html>

### 3. Elements of Statistical Learning (out of scope)

<http://statweb.stanford.edu/~tibs/ElemStatLearn/index.html>

# Syllabus

Section 1: Introduction to R

Section 2: Classification

Section 3: Regression

Section 4: Overfitting and Its Avoidance

Section 5: K - Nearest Neighbours

Section 6: Clustering

Section 7: Principal Component Analysis

Note: We will consider more topics if we still have time.