COMP 1433: Introduction to Data Analytics &
COMP 1003: Statistical Tools and Applications
(PolyU Spring 2022)

Learning Outcomes:
- To understand data analytics concepts
- To capture how to manipulate, analyze, and visualize data with analytics tools
- To understand and apply related mathematics operations

Teaching Team (by appointment):
- Jing Li (*Course Instructor*)
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  Office hour: Every Thursday 2:00 – 4:00 pm (or other time by appointment)
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Assessments (*Individual work and group project***):**

- For COMP 1433 students:
    - Quiz 1: 5% of the grade
    - Quiz 2: 5% of the grade
    - Assignment: 20% of the grade
    - In-class Test: 25% of the grade
    - Final Exam: 45% of the grade
- For COMP 1003 students:
    - Quiz 1: 15% of the grade (Quiz 2 is not for COMP 1003 students)
    - Assignment: 30% of the grade
    - In-class Test: 55% of the grade

Time (100 min lecture + 50 min tutorial**):**

- Class 1: Every Tuesday from 12:30 to 3:20 pm
- Class 2: Every Thursday from 8:30 to 11:20 am

Location:

- Class 1: QR 403
- Class 2: PQ 306

Detailed Schedule:

1	Jan 11 & 13	*Data Analytics: An Introduction*	Hybrid
2	Jan 18 & 20	*Probability Basics for Data Analytics*	Hybrid
3	Jan 25 & 27	*Statistics Basics for Data Analytics*	Onsite
4	Feb 8 & 10 (*quiz 1*)	*Linear Algebra Basics*	Onsite
5	Feb 15 & 17	*Calculus Basics*	Onsite
6	Feb 22 & 24	*Programming with R: Basics, Data Input and Manipulation*	Onsite
7	Mar 1 & 3	*Programming with R: Statistics*	Onsite
	Mar 8 & 10	*In-class test*	Onsite
8	Mar 15 & 17	*Data Analytics with R*	Onsite
9	Mar 22 & 24 (*assignment out*)	*Monto-Carlo Simulation*	Onsite
10	Mar 29 & 31 (*quiz 2*)	*Regression and Time-series Analysis*	Onsite

11	Apr 7 (==*assignment due*==)	***Machine Learning: An Introduction***	Onsite
12	Apr 12&14	***Review and Exam Q&A***	Onsite