

• HW 4 will be posted after the class.



- Due Oct. 3rd (two weeks from today)

- ch 4 → line/surface fitting.

• Quiz 1 is on Sep. 26th (a week from today)

- ch 1-3

- Sample quiz + formula sheet posted

- Sample quiz solution will be posted
on Monday.

- Just bring a calculator + pencil

About Quiz 1:

- Data Collection

Ch 1-2

- Type of studies
(observational / experimental)

- Population / sample

- Types of variables

(Qualitative / Quantitative)

(Continuous / discrete)

(number of measurement:

- univariate

- multivariate

- bivariate

- Paired data

- Repeated measurement

- Types of studies

(Factorial study) / Complete (Full)
/ Fractional (Partial)

- Importance of measurement

(Validity^① / Precision^② / Accuracy^③)

↓
variation

↓
unbiassness

↳ Calibration

- Random Sampling

(random tables → Hw 3)

variables → { Response / Experimental /
controlled / block

- Randomization / Blocking / replication

ch 1-2

(- Data Collections)

Ch 3 - Descriptive Statistics

- plots:
 - Dot diagram
 - Stem & leaf diagram
 - Frequency table
 - Histogram
 - Boxplots
- Summaries
 - Mean
 - Variance
 - Range
 - IQR
 - Quantiles
- plots using quantiles
 - Normal QQ-plot + interpretation