

Course Information-Life and Statistics

- [Subject Outline](#)
- [Test Information](#)

summary

This course examines how information is generated, how it is processed, and ultimately, useful information for those new to information statistics. This lecture focuses on the application of statistics in social science, medicine and quality control, including the understanding of various statistics that are frequently encountered in newspapers, TV, and everyday life around us.

Medium name

- Multimedia lesson

Service schedule

- Additional updates every Monday during the semester.

lecture content

- Multimedia lesson

Count Lecture Topic The details Textbook Pages Professor in charge

There is no registered syllabus.

- Attendance class

division Lecture Topic The details

**Textbook
Pages Lecture**

| division | Lecture Topic | The details | Textbook Pages | Lecture |
|-----------------|---|---|-----------------------|----------------|
| 1 | Chapter 1 How do we look at the world in which we live Chapter 2 How do we understand an uncertain modern society? | 1.1 What are statistic and Statistics 1.2 Why do I need national statistics 1.3 How much I can live 1.4 What is the future of our country 1.5 How our domestic life has changed 1.6 How we can use national statistics 2.1 Odds and probabilities 2.2 OJ Simpson trial 2.3 Average experience 2.4 Misunderstanding of life expectancy | 1-37 | lecture |
| 2 | Chapter 2 How to Understand an Uncertain Modern Society Chapter 3 Is Polls Reliable? | 2.5 Lottery and Probability 2.6 Normal Distribution 2.7 Uncertain Probability 3.1 Introduction 3.2 Key Terms of Polls 3.3 The Importance of Random Samples 3.4 To Understand Poll Results 3.5 How can I measure the reliability of polls?3.6 Read the polls correctly | 37-78 | lecture |
| 3 | Chapter 4 How to Get Useful Information Chapter 5 How Baseball Players Are Evaluated | 4.1 How to get useful information 4.2 What is the appearance of the data 4.3 How to estimate useful information 4.4 How to assess uncertainty 5.1 Baseball and data 5.2 How to assess the batting ability | 79-117 | lecture |
| 4 | Chapter 5 How Are Baseball Players Evaluated? Chapter 6 Is Figure Skating Fair? | 5.3 How to evaluate pitcher's ability 6.1 Sports statistics 6.2 Yuna Kim's dream score 200 points 6.3 Salary and efficiency are not proportional 6.4 Ice hockey shot quality | 117-150 | lecture |

| division | Lecture Topic | The details | Textbook Pages | Lecture |
|----------|---|--|----------------|---------|
| 5 | Chapter 7 How Do We Prove New Drug Effects? How Can We Improve Quality? | 7.1 Clinical Trials 7.2 Drug Development 8.1 Quality Management 8.2 Quality Innovation Strategy: Six Sigma 8.3 Control of Design Quality | 151-202 | lecture |
| 6 | Chapter 8 How Can I Improve Quality? Chapter 9 | 8.4 Process control 8.5 QC Seven tools 9.1 Overview 9.2 Traps of percentages 9.3 Traps of averages | 202-235 | lecture |

Evaluation method and question range

| Evaluation Type | Assessment Methods | Scope of question | Remarks |
|------------------|--------------------|-------------------|-----------------|
| Attendance class | Short answer | to be announced | to be announced |

Note: The above information is subject to change, so please refer to the academic bulletin.

references

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- [[Journal of Korean Home Economics](#)] Home Economics Association, Home Economics Association, 1996
- [(Easy)[Statistics in Life](#)], Jae Chang Lee, [Sekyungsa](#), 1996
- [[Statistical World and Korea / 1991](#)], Statistics Office, Statistics Office, 1991
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[[\(Easy when you know\) Story of Statistics](#)], Korea statistical Association, freedom Academy, 1991

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