

# Basic Data Analysis

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Business Administration and Public Policy

Homework 6: Due June 9, 2011

## Requirements

Homework assignment about statistical inference in business.

## Homework 6

**Due Thursday, June 9, 2011, 11:45 am.** Submit by email to `data-hw@turnbull.sk.tsukuba.ac.jp`. Your header should look like this:

From: `a-student@sk.tsukuba.ac.jp`  
To: `data-hw@turnbull.sk.tsukuba.ac.jp`  
Subject: `Basic Data Analysis HW#6`

The subject should be all half-width Roman letters (ASCII).

## Business uncertainty and statistical inference

1. Describe an **uncertain** aspect of business (considered in general: marketing, production, finance, personnel, . . .) which has a strong component of . What kind of “rule” does the uncertainty obey? How would you use statistical inference to understand the “rule”? *The credit you receive for this problem will be inversely proportional to the number of other students who choose the same example.*

It is possible to answer this question in about 75 words in English, or 125 characters in Japanese. You may use more words if that is comfortable for you.

2. Describe an **uncertain** aspect of business (considered in general) which is primarily **strategic uncertainty**. What kind of “rule” does this uncertainty obey? What class in Keisei do you think is most relevant to understanding this uncertainty? *The credit you receive for this problem will be inversely proportional to the number of other students who choose the same example.*

It is possible to answer this question in about 75 words in English, or 125 characters in Japanese. You may use more words if that is comfortable for you.

3. How do you think business **risk** is related to **statistical inference**?

It is possible to answer this question in about 50 words in English, or 75 characters in Japanese. You may use more words if that is comfortable for you.