

Experiment Design for Computer Sciences

00 - Course Intro – Tsukuba Specific Notes

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Version 2.11.T

<http://conclave.cs.tsukuba.ac.jp/>

Computer Science Department

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Lecturer Introduction

Who am I?



- Name: Claus Aranha;
- Country: Brazil;
- Research: Artificial Intelligence, Genetic Algorithms, Deep Learning;
- Language: Python, R;
- Hobbies: Game Programming, Geocaching, Twitter Bots;
- twitter: @caranha
- `http://conclave.cs.tsukuba.ac.jp`

Motivation for this course

Why am I doing this?

I want to fix a problem:

- Low quality of student papers;
- Low awareness of bad references;
- Low awareness of bad practices;
- Good will, sloppy execution
- End result: A lot of wasted work!

Very recommended read:

<http://www.statisticsonewrong.com/>

Materials

Github Repository Structure

`https:`

`//github.com/caranha/Design-and-Analysis-of-Experiments`

- *XX-Chapter* – Text for one class
 - *ChapterXX.pdf* – Main notes
 - *ChapterXX-Tsukuba.pdf* – Special notes for our course
- *data files* – Data for exercises/examples
- *DemoXX* – Software demos for CLT and CI
- *Forms/Grading* – Not used for this course (yet)
- *Refence Material* – Some useful PDFs/Links
- *TSUKUBA/figs/defs* – Maintenance files

Note: Old Repository

`https://github.com/caranha/ExperimentDesignLectureNotes`

Will not be used this semester, but you might check it out for extra info.

Materials

MANABA

For this class, we will make intensive use of the MANABA e-learning system: Report Submission, Class Announcements, Discussion.

- Manaba Webpage:

https://manaba.tsukuba.ac.jp/ct/course_578828

- Manaba Enrollment Code: 5718071

There is already a survey in the system - Please take the time to answer it during the weekend.

Calendar

Planned class dates – May still change

- 04/15 Lecture – (00,01,02)
- 04/22 Lecture – (03)
- 05/06 Lecture – TBD
- 05/13 Lecture – TBD
- 05/20 Lecture – TBD
- 06/03 Lecture – TBD
- 06/10 Lecture – TBD
- 06/17 Lecture – TBD
- 06/24 Lecture – TBD

- 07/01 *Substitute Lecture*
- 07/08 Final Presentation

Calendar

Class Structure

- Class Structure - 3 hours is TOO much time - A- question about readings, projects, previous class - B- lecture itself - C- Questions, repetitions - D- Work on data, examples, extra information - E- We will frequently end the class early.

English Program

Please register!

The “Computer Science English Program” promotes the establishment of lecturer in English in our department. To evaluate the demand for these courses, we ask you to please enroll in the CSE.

How to Enroll in CSE

Send an e-mail to s-g30@cs.tsukuba.ac.jp with:

- Subject: Enrollment in CSE Program
- Contents: Name, Student Number

Deadline: May 15th (Friday)

English Program

Academic Writing/Speaking classes

Attention: Report grading will include “clear writing”

If you are unsure of your writing ability in English, consider enrolling in some of the following courses.

- Introductory Technical Writing: 02CA101
- Advance Technical Writing: 02CA103
- Science Communication I: 02CA105
- Science Communication II: 02CA107

For more information about these courses, contact professor Neil Millar (millar@cs.tsukuba.ac.jp).