



UNIVERSITAS GADJAH MADA
DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING
BACHELOR IN CIVIL ENGINEERING

Statistics and Probability

Course Description

Course contents

Week #1 to #8

Introduction

Data organization and presentation

Statistical measures

Probability

Random variables

Probability distributions

Week #9 to #16

Statistical inferences, confidence intervals

Statistical inferences, hypothesis testing

Regression

Correlation

Reading materials



Handbooks

Kottegoda, N.T., Rosso R., 1998, *Statistics, Probability, and Reliability for Civil and Environmental Engineers*, McGraw Hill Intl. Ed., New York



Class notes

<https://istiarto.staff.ugm.ac.id>



Various sources

Online or offline

Gradings

Part 1 (50%)

Quiz, homeworks
(10-20%)

Midterm exams
(30-40%)

Part 2 (50%)

Quiz, homeworks
(10-20%)

Midterm exams
(30-40%)

Activities

Presentations

Discussions

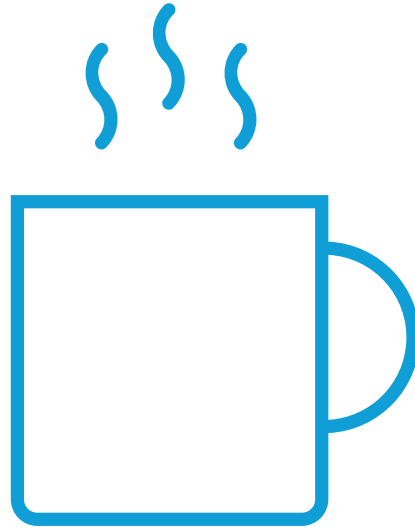
Quiz

Homeworks

Exams

Quiz, homeworks

- SIMASTER
- pdf files
- manuscripts must be readable



Statistics and Probability

Course Description