GDAŃSK UNIVERSITY OF TECHNOLOGY

FACULTY OF MANAGEMENT AND ECONOMICS

STATISTICS II EXERCISES & LABORATORIES

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AGENDA

1. **Basic information**

   1. How to contact with the lecturer?

   2. How to prepare for classes?

   3. What computer program should we use?

   4. What do we have to read before classes?

2. **Organizational matters**

   1. Attendance

   2. Test

   3. Resit test

3. **Work program**

BASIC INFORMATION

HOW TO CONTACT WITH THE TEACHER?

Karolina Tura-Gawron, PhD

You can reach me during office hours:

Thursday 11.15 – 12.00 a.m.,

Room 507 WZIE PG

or via email:

ktura@zie.pg.gda.pl

HOW TO PREPARE FOR CLASSES?

Knowledge

I require skills and knowledge of current material from lectures and book

Course materials can be found on the e-nauczanie

Password: **s2**

Classes- two parts

I. Solving practical tasks at the blackboard- **Exercises**

II. Solving practical tasks on your PC- **Labs**

WHAT COMPUTER PROGRAM SHOULD WE USE?

Excel, Statistica and Gretl:

1.   Computer calculation package

2.   Statistica is available with an academic license and a demo license (30-day, download from the www.statsoft.pl)

3.   Room 516 WZiE, Note: Choose one person in the group

4.   Install Statistica on personal computers for the next classes

WHAT DO WE HAVE TO READ BEFORE CLASSES?

1. **McClave, J. T., Benson, P. G., Sincich, T. (2008) , *Statistics for Business & Economics*, Pearson Education Inc., New Jersey.**

2. Barrow, M. (2006), *Statistics for Economics and Business Studies*, Pearson Education Inc., Harlow.

3. Sobol, M. G., Starr, M. K. (1983), *Statistics for Business and Economics. An action Learning Approach* , Quantitative Methods for Management Series, McGrow Hill.

4. Keller, G., Warrack, B., Bartel, H.(1988), K., *Statistics for Management and Economics. A Systematic Approach*, Wadsworth Publishing Company, Wadsworth.

ORGANIZATIONAL MATTERS

ATTENDANCE

1. Permitted up to two unexcused absences

2. Abscence during the test:

Please send me sick note in three days via email

LABS - HOW TO CHECK STUDENTS KNOWLEDGE AND SKILLS?

1. Two tests

You can get 20 points for each test.To pass the labs you have to score 24 points (60%, for both tests)

2. One additional test for people with excuses

3. One resit test takes place in the resit session

GRADING SCALE

Tests [%]	Grade
<60	2
<60;70>	3
<71; 79>	3,5
<80, 86>	4
<87; 93>	4,5
<94; 100>	5
100	5,5

GRADING SCALE – RESIT TEST

Resit [%]	Grade
<60	2
<60;84>	3
<85; 96>	3,5
<97; 100>	4

WORK PROGRAM

1. **Probability**

2. **Random Variables and Probability Distributions**

3. **Central Limit Theorem**

4. **Inference Based on a Single Sample: Estimation with Confidence Intervals**

5. **Inferences Based on a Single Sample: Tests of Hypothesis**

6. **Inferences Based on Two Samples: Confidence Intervals and Tests of Hypotheses**

7. **Hipotheses Testing in Correlation and Regression Analysis***

8. **Nonparametric statistics***

*if we have time

PREPARATION FOR THE NEXT CLASSES

1. McClave, J. T., Benson, P. G., Sincich, T. (2008) , *Statistics for Business & Economics*, Pearson Education Inc., New Jersey, p. 132-184;

2. Install Statistica 12,5 and Gretl on your PC

Thank you for your attention