

**NMSA407 – Linear Regression**  
**Exercise class**  
Academic year 2021/2022

### General conditions

Three parallel sessions

- Tuesday, 17:20 – 18:50 @K4 (S. Nagy);
- Thursday, 15:40 – 17:10 @K4 (M. Maciak);
- Thursday, 17:20 – 18:50 @K11 (M. Maciak);

are organized for the Winter term 2021/2022 all taking place in English. Each student attending one of these sessions is expected to be officially enrolled for the corresponding session in SIS. Any exceptions must be discussed and agreed with both lecturers.

### Requirements for obtaining the course credit

- Two (out of two) homework assignments (see below for more details) **must be accepted**.
- The gain in the final test must be at least **60 points** out of the 100 possible.

### Homeworks

- There will be **two major homework assignments** during the term.
  - one at the beginning of the course, and
  - the other one in the second half of the semester.
- For each homework there will be an assignment specific delivery deadline (usually 2 weeks after the homework assignment).
- The homework assignments will be worked out in a group of 1–2 students (different groups can be formed for different homework assignments). Groups of two are preferable.
- For each homework a report prepared in L<sup>A</sup>T<sub>E</sub>X must be delivered in a requested form (either a paper copy or a pdf file sent by e-mail depending on the preferences of the lecturer). Only one document per group is required but the names of the group members and their enrolment into the exercise classes must be clearly stated on top of the title page.
- The language of the homework reports might be either English or Czech/Slovak. Only one language must be used within a single document (this includes also labels in tables or plots). However, Czech and Slovak are considered as one language (i.e., it is allowed to mix them in a reasonable way within one document).
- Each homework will be evaluated using the following assessment approach:
  - (A) **Accepted**  
*Homework reports with high quality standards with well formulated and formatted text, negligible number of typos and grammatical errors, showing a seriously meant attempt to solve all assigned problems with the solution being without any major errors.*
  - (B) **Revision**  
*Homework reports which are not good enough (for instance, an excessive number of typos or grammatical errors, some questions being solved with more serious or major errors, or not solved at all) but, still with a fair quality, will be returned with comments for **a single** further revision. The revised report must be resubmitted within one week. If the revised report does not meet the requirements, the revision will not be accepted.*
  - (C) **Fail**  
*Homework reports which are not sufficiently well worked out will not be accepted and no revision option will be offered. Homework reports will not be accepted also in case of late or no delivery, plagiarism of any kind (for instance, two or more versions of the same document will be delivered to any of the lecturers), major errors in solutions, or clear evidence that no serious effort was put into elaboration of the report.*

**Extra points** Reports of exceptional quality both in terms of the performed analysis, and its presentation, may be rewarded by additional, up to 5 points per homework. Low quality homework reports that barely meet the minimum standards for acceptance may be penalized by negative, up to 5 negative points per homework. These extra points will be counted into the result of the final test for each of the authors.

### Final test

- The final test will take place in December. The exact dates will be specified at least 2 weeks prior to the test. If allowed by the current health regulations, physical presence of the students in a lecture room will be required for the test. Otherwise, an appropriate on-line version of the test will take place; details will be provided in due course.
- There will be no computer analysis involved in the final test.
- Students will be required to interpret the given results and to derive conclusions out of the provided computer outputs. They should show ability to specify a model suitable to solve the given problem. Other practically oriented problems solvable using the skills developed during the exercise classes or homeworks can be also used.
- A set of illustrative examples similar to those that could appear in the final test will be provided 2 weeks before the final test.
- There will be **exactly one** additional term for the final test in January. Any student who could not attend the primary test (for whatsoever reason) or failed the primary test is eligible to attend the secondary test.

### Cases worthy of consideration.

Exceptions from the previously specified rules are only possible in cases worthy of consideration where there is an eminent domain of the lecturer to decide what a „case worthy of consideration“ means. Student who thinks that he/she should be treated as a „case worthy of consideration“ must contact the lecturer (personally or via e-mail) not later than **7 days** after the reasons for such treatment come into play (exception out of this rule are conditions which objectively do not allow to contact the lecturer, e.g., a ship wreck, unconsciousness, detention, . . .). When notifying the lecturer, the lecturer will inform the student which parts of the above requirements can be avoided or how they can be compensated.

The following events will **usually** be considered as „cases worthy of consideration“:

- a long-lasting or chronic disease or injury requiring a permanent or long-lasting therapy (at least 21 days) not allowing to attend the lectures;
- detention or imprisonment.

The following events will **never** be considered as „cases worthy of consideration“:

- not being able to pass the course for the second time;
- long-lasting study stay at other institutions (Erasmus, . . .);
- out-of-school activities (including jobs);
- transport irregularities, sudden qualm, common short-lasting diseases (flu, . . .).

Prague, 16 September 2021  
Matúš Maciak and Stanislav Nagy