

NMSA407 – Linear Regression

Exercise class

Academic year 2016/2017

Requirements to get the course credit

- Receiving at least **21 points** for a timely delivery of assigned homeworks worked out in a reasonable quality.
- Getting at least **60% of points** in a final test.

Homeworks

- There will be **three homework assignments** each of them indicated with a deadline of delivery (usually 2 weeks after the assignment). For each homework assignment one can obtain 10 points at most.
- The homework assignments will be worked out in a group of 1–3 students (different groups can be formed for different assignments).
- For each homework a report prepared using a suitable software for document preparation (L^AT_EX, LibreOffice/OpenOffice, MS Word, ...) must be delivered in a requested form (paper or electronically depending on the preferences of the lecturer). One document per group is required with the names of the group members clearly stated on top of the title page plus indication of the exercise class group into which the group members belong to.
- The language of the homework reports might be either English or Czech/Slovak. Nevertheless, only one language must be used inside a single document (this includes also labels in tables or plots). For purpose of this rule, Czech and Slovak are considered as one language (i.e., it is allowed to mix them in a reasonable way within one document). Absence of diacritics in plots will be tolerated.
- For each homework, the following evaluation will be used:

(A) – well worked out homework, **10 points**.

(Reasonably well formatted document with a negligible number of typos and grammatical errors showing a seriously meant attempt to solve all assigned problems with the solution being without gross errors. Less serious errors, certain awkwardness etc. will be tolerated.);

(B) – not sufficiently well worked out homework but it is possible to improve it.

(Document being either not reasonably well formatted or with an excessive number of typos or grammatical errors or with some problems being solved with more serious or gross errors. To be granted by evaluation (B), it must still be clear from the delivered document that a serious attempt was taken to solve all assigned problems. It is a right of the lecturer to decide whether the attempt was „seriously meant“).

Students get a chance to deliver improved document in an indicated amount of time (usually one week). If it is possible to evaluate the improved document as “well worked out”, **7 points** will be granted. Otherwise, **0 points** will be given;

(C) – not sufficiently well worked out homework and it is not possible to improve it, **0 points**. The following events will mostly lead to evaluation (C):

- late or no delivery of the report;
- solution to some problems is considered as „not being seriously meant“;
- plagiarism which means that two or more versions of the same document will be delivered to any of the lecturers (it is not excluded that all reports of one homework will be graded by a single lecturer). In this case authors of

all multiple reports will be evaluated by (C). The following actions (among others) usually lead to the documents being considered as identical: translation from one language to another, word order changes (and otherwise practically identical sentences structure), font or other formatting changes. Due to a richness of any human language, probability of delivering a unique report is practically one if before delivery the report is seen only by authors.

Final test

- The final test will take place in December.
- There will be no computer analysis involved.
- Students will be required to interpret results and derive conclusions out of the provided computer output. 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.
- Analytic derivations (e.g. finding the maximum likelihood estimator and deriving its asymptotic distribution).
- There will be **exactly one** term in January for the **secondary test date**. This term will be available for those who will not pass at the primary test date **or** will not attend the primary test (for whatever reason – no apology is required).

Cases worthy of consideration.

Exceptions out of 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. It is also the right of each lecturer to ask for appropriate proofs. 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“:

- for instance a long-lasting or chronic disease or injury requiring 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, ...).

3.10.2016

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