**Middle East Technical University**

**Department of Statistics**

**Spring 2020-2021**

**STAT 250 – PROJECT INFORMATION**

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| **Step** | **Deadline \*** | **Deadline Hour** | **Details** |
| 1. pick your teams | 2 April 2021 | 10:30 | 1 |
| 2. research questions and proposed methods | 23 April | 10:30 | 2 |
| 3. Final report | 18 June | 10:30 | 3 |

**If you miss the deadline of steps 1 or 2, you will lose 5 pts for each day that is late. For step 3, no late submissions will be allowed.**

**1.** Construct your project teams of 1, 2, 3, 4 or at most 5 people. Pick one of your team members as a corresponding member. That corresponding person will be responsible from the communication between team members and Petek, or from uploading the required files to ODTUClass. However, all other works of the project should be done by all members of the team. The corresponding person should submit the names of the team members to ODTUClass before deadline.

**2.** Write research questions and related methods that you will use to answer these questions. Also, include which variable is usually going to be used as a response. The corresponding person should submit these to ODTUClass by deadline.

For example:

Research question: “Is the average number of cars passing significantly higher in urban roads compared to rural roads?”

Proposed method: Hypothesis tests (z-test)

Response: number of cars passing

These questions should **not** be statistical questions. For example, the following questions are **not** accepted:

“What is the median age in my sample?”

“What are the summary statistics of the variables in my data?”

**3.** Prepare and submit a final report. This report should include everything: introduction, analysis, results, interpretations, discussion, conclusion, outputs, turnitin report and more if you want. This report should be **at most** 10 pages of A4 written in Times New Roman font 12 with 1.5 space between lines. You can use both front and back of 10 pages. A similarity score of 20% or less is acceptable. Higher %s may cause a deduction in your grade. You need to include your codes if R is used, steps if SPSS or Minitab is used, as a separate file. However, it should be clear which code corresponds to which analysis or output etc.

**Important note:** Please note that, while writing project reports, articles, proposals, thesis etc. it is not OK to directly copy-paste a material even if you provide a reference. If you are using more than 3 consecutive words from a source, you need to give it in “ ” and provide the reference.