**Amirkabir University of Technology**
**(Tehran Polytechnic)**

Machine Learning Course By

Dr. Nazerfard

CE5501 | Fall 2023

Teaching Assistants

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# Assignment (0)

**Outlines.** In this assignment, we will focus on completing four essential Kaggle courses that will lay the foundation for your understanding of Python, Pandas, Data Visualization, and Data Cleaning.

**Deadline.** Please submit your answers before the end of October 12th in courses.aut.ac.ir. Other methods like sending via email or in social networks are not accepted and will not be considered.

# Assignment Manual

**Delay policy**. During the semester, you have extra 10 days for submitting your answers with delay. Mentioned time is for all assignments. After that, for each day of delay you loss 20% points of that assignment. After 4 days you miss all points and any submit doesn`t acceptable. Remember that saving this time doesn`t have any extra point.

**Sharing is not caring.** Students are free to discuss and share their ideas about problems with others. But sharing source codes, solutions, answers and other results is not allowed and based on university`s rule, both sides will be graded zero.

**Organize the upload items.** Upload a single PDF file containing the certificates, with the following structure:

- ML_00_[std-number].pdf

The other upload items, such as implementation source codes, results, and reports, are not required for this submission.

**Feel free to contact.** If you have any question or suggestion, need guide or any comment be comfortable to ask via email as well as Telegram group. Good luck with your learning journey!

Dear Students,

   Welcome to the Machine Learning course! In this assignment, we will focus on completing four essential Kaggle courses that will introduce you to the key concepts and tools in data science. These courses will provide you with a solid foundation in Python programming, Pandas for data manipulation, data visualization techniques, and data cleaning practices. Completing these courses will not only enhance your knowledge but also provide you with valuable certificates to showcase your expertise.

**Complete the following four Kaggle courses:**
- Python Course
- Pandas Course
- Data Visualization Course
- Data Cleaning Course

To complete this assignment, follow these steps:

1. Create an account on Kaggle by visiting the website https://www.kaggle.com/. Your username should contain your last name.
2. Enroll in each of the four courses mentioned above.
3. Progress through the courses by completing the lessons, quizzes, and exercises. Make sure to grasp the concepts and practice the code examples provided.
4. Once you have completed a course, download the certificate from the respective course page on Kaggle. Ensure that you have fulfilled all the requirements to obtain the certificate.
5. Compile the certificates you have obtained in a PDF file.
6. Submit the PDF file containing the certificates on the courses.aut.ac.ir website.