


# Assignment1


- Due 22 Mar by 23:59
- Points 40
- Submitting an external tool
- Available 4 Mar at 0:00 - 25 Mar at 23:59

In this assignment, you will use machine learning techniques to predict future bike rental demand based on historical data.

To get started, download a local copy of [the bike rental data](#)

(<https://myuni.adelaide.edu.au/courses/92237/files/14501539?wrap=1>)\_   
([https://myuni.adelaide.edu.au/courses/92237/files/14501539/download?download\\_frd=1](https://myuni.adelaide.edu.au/courses/92237/files/14501539/download?download_frd=1)) .

A Jupyter notebook template file is [provided here](#)

(<https://myuni.adelaide.edu.au/courses/92237/files/14713567?wrap=1>)\_   
([https://myuni.adelaide.edu.au/courses/92237/files/14713567/download?download\\_frd=1](https://myuni.adelaide.edu.au/courses/92237/files/14713567/download?download_frd=1)) . You should fill out the cells in the notebook as instructed to complete the assignment.

**You don't need to submit the data file**, but your code should assume the data file is in the same directory and that its name is not changed.

The autograde of this assignment is worth 10% of your overall marks for the course.

The marks per step are as follows.

step1 (2/2)

step2 (0/0)

step3 (3/3)

step4 (3/3)

step5 (3/3)

step6 (3/3)

step7 (3/3)

step8 (3/3)

step9 (3/3)

step10 (3/3)

step11 (4/4)

step12 (5/5)

step13 (5/5)

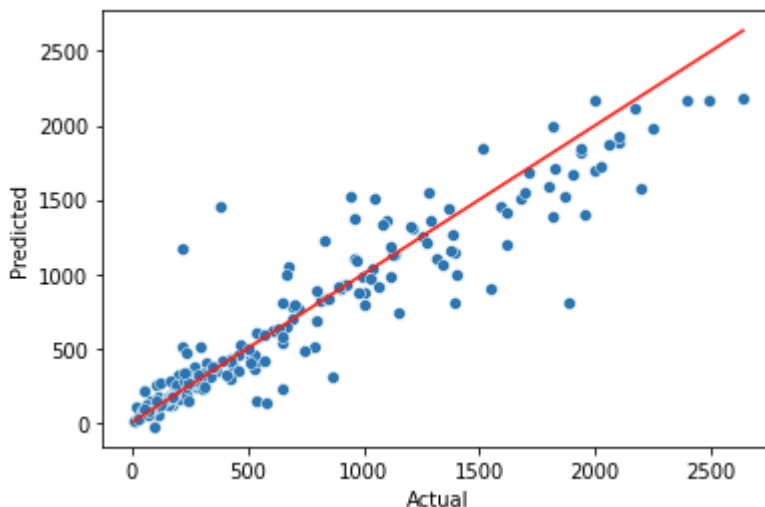
**The file ipynb contains hidden tests and no public tests. This is why you will receive the following message in gradescope even if your solution is not correct.**

### Public Tests

```
step1 results: All test cases passed!  
step10 results: All test cases passed!  
step11 results: All test cases passed!  
step12 results: All test cases passed!  
step13 results: All test cases passed!
```

### Hint

Correct Step 13 implementation should produce a figure like the one below:



to submit a new attempt, click below: the submission portal will open on the 11th of March

This tool was successfully loaded in a new browser window. Reload the page to access the tool again.

