

Assignment Day 7 | 14th July 2020

For any doubts regarding the assignment, ask questions in the AI/ML Batch Group in the Community.

Submit Assignments by 19th July 2020 11:59 PM.

Assignment Submit Form : <https://bit.ly/aimlassignment>

Submit assignments in Appropriate Dropdowns.

Problem Statement A large company named XYZ, employs, at any given point of time, around 4000 employees. However, every year, around 15% of its employees leave the company and need to be replaced with the talent pool available in the job market. The management believes that this level of attrition (employees leaving, either on their own or because they got fired) is bad for the company, because of the following reasons -

The former employees' projects get delayed, which makes it difficult to meet timelines, resulting in a reputation loss among consumers and partners

A sizeable department has to be maintained, for the purposes of recruiting new talent

More often than not, the new employees have to be trained for the job and/or given time to acclimatise themselves to the company

Hence, the management has contracted an HR analytics firm to understand what factors they should focus on, in order to curb attrition. In other words, they want to know what changes they should make to their workplace, in order to get most of their employees to stay. Also, they want to know which of these variables is most important and needs to be addressed right away.

Since you are one of the star analysts at the firm, this project has been given to you.

Goal of the case study You are required to model the probability of attrition. The results thus obtained will be used by the management to understand what changes they should make to their workplace, in order to get most of their employees to stay.

Columns

EmployeeID Employee number/id

EnvironmentSatisfaction Work Environment Satisfaction Level

JobSatisfaction Job Involvement Level Job Involvement Level Job Involvement Level

WorkLifeBalance Work life balance level.

Refer to the next two files uploaded in Assignment Folder.

FAQs

Q. How to upload a jupyter notebook as a part of an assignment?

- A. 1. Click "File" option in notebook
- 2. Go to "Download As" -> "Notebook(.ipynb)"
- 3. Upload the downloaded .ipynb file to github and share the link in google form.

Q. When do I submit the Assignments and how?

- A. The assignments for the week should be submitted by weekend i.e. Sunday 11:59 PM IST. You can use Jupyter Notebook or python files or even Google Colab to Solve your Assignments

Q. Where do I get class links for next session?

- A. All sessions will be Live on the Learning Management System. It will be also updated in the Community Group in the pinned post.
- B.

Q. I have some doubt, whom do I ask?

- A. (a) Post your Queries on the community, someone will help you out.
- (b) We have a discussion group which you can access by Joining LetsUpgrade AIML Telegram Channel. Link will be in a pinned post in the AI ML Community Group.

Q. *Sir don't have anaconda so how can I solve the assignment ?*

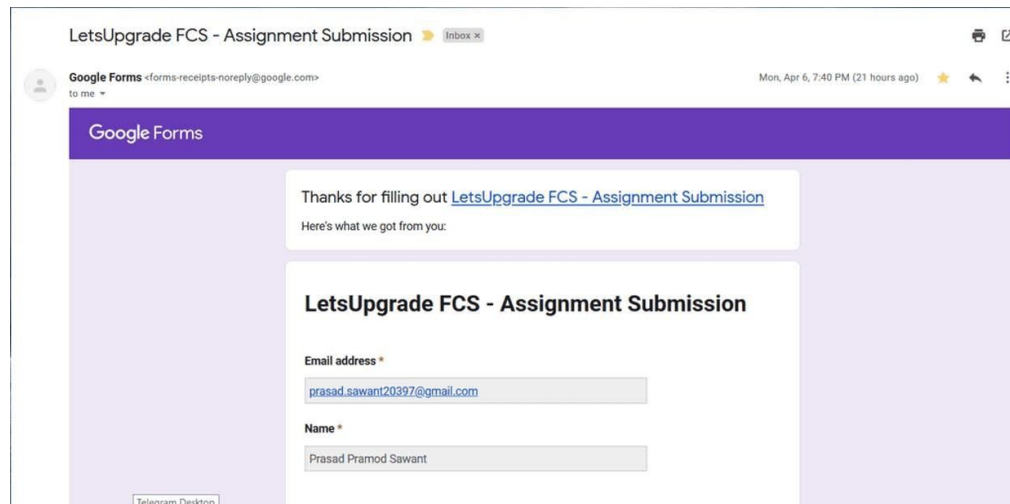
- A. Use Google Colab : [Click me](#)

Q. Can we submit multiple .py or .ipynb assignment solution files for each question separately?

- A. Solve all assignments for a day in a single notebook. Make sure you are submitting a single file.

Q. How can we know if my assignment is verified or not? And is it successfully submitted or not?

A. You will receive a mail for your successful submission. You will get a mail like this:



The image shows a screenshot of an email received from Google Forms. The email header indicates it is from 'Google Forms <forms-receipts-noreply@google.com>' to 'me' on 'Mon, Apr 6, 7:40 PM (21 hours ago)'. The subject of the email is 'LetsUpgrade FCS - Assignment Submission'. The main body of the email has a purple header with the 'Google Forms' logo. Below this, a message says 'Thanks for filling out [LetsUpgrade FCS - Assignment Submission](#)'. It then states 'Here's what we got from you:' and displays a form titled 'LetsUpgrade FCS - Assignment Submission'. The form shows two fields: 'Email address *' with the value 'prasad_sawant20397@gmail.com' and 'Name *' with the value 'Prasad Pramod Sawant'. At the bottom left of the form area, there is a small 'Telegram Channel' link.