



**Iconiq Inc / Iconiq Skills India Pvt. Ltd**

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## Data Science Analyst – Test

Dear Candidate,

Greetings from [ProjectPro](#)! Here is a chance for you to be a part of a growing organization. At ProjectPro, we believe in changing the world for developers by providing them with reusable end-to-end project solutions. Let us know how well and uniquely you fit the role you are applying for. Please see below for the use case and solve it.

**Dataset:**

We are providing a dataset containing information of 2000 customers over 16 variables.

**Aim:**

To predict whether the customer will churn or not

**Task:**

1. Exploratory Data Analysis
2. Data Preprocessing
3. Model Building
4. Evaluation
5. Results

Note: You are free to add any task if you wish.

**Submission files:**

1. ipynb notebook
2. Modularised code
3. Solution Methodology

The structure for modular code should be as follows:

Input: contains all the input data

Output: output files

ML\_Pipeline: containing all the reusable code for the problem in functional form

Engine.py: This is the main file that needs to be called to run the entire code in one go

Requirements.txt: the file containing all the required libraries

Readme.md: instructions to use the code

Solution Methodology: The file must contain information of Dataset, Aim, Approach, Results, Takeaways of the problem solved.

**Here are some points to remember**

1. Your code should run irrespective of the machine used
2. Make crisp and precise documentation of the results or any observation for the problem
3. **More importance will be given to the approach followed**
4. **You should have a deep understanding of whichever things(models, algorithms) you are using in your solution**

The files must be submitted in a single zipped folder to [supriya@projectpro.io](mailto:supriya@projectpro.io). The name of the zipped file must be the applicant's name followed by '\_data\_science\_test\_projectpro'.

The solution will be accepted on or before **Nov 28, 2021 10 A.M.**

**Any late submissions won't be accepted.**

If you have any doubts, drop a mail at [supriya@projectpro.io](mailto:supriya@projectpro.io)