

Example of an end-to-end machine learning project in data science for beginners

I am going to write about complete end to end HR Analytics project which would truly a guidance for all new commers who is aspirant of data science.

When I accepted to go with data science and started learning about it I was in huge dilemma what to do, how to how to learn, how to grab the knowledge these are utmost common question that come to the everyone's mind first who is willing to proceed their career with data science but science there so many helping blogs already written on internet by so many distinguished experts that helped me more than my expectations. I know there are lots of blogs already there to help but in my project, I will be emphasized. Over some different points. Maybe perhaps, my blog that I am going to write will helped at least

A bit for all those who want to be a data scientist.

So please visit my git hub repository there I upload HR_data_project

1 problem Definition

The project I have opted to write over is HR analytics project that is basically fictional project and it was created by Data Scientist in IBM.

You can find the whole data set in Kaggle basically there are so many companies who hired so many new employees year and organise training program inside the company to the new comers through this project is where does HR fit in all of these

Human resource Analytics (HR Analytics) is an area the field of analytics that refers to applying analytics processes to the human resource department of an organization in the hope of improving employee's performance and therefore getting a better return on investment.

Attrition in human resources refers to the gradual loss of employees over time. In general, relatively high attrition is problematic for any company for any company. HR professionals often assume a leadership role in designing company compensation programs work culture and motivation systems that help the organization retain top employees how does attrition affect

companies and how does HR analytics attrition we will discuss the first question here and for the second question we will write the code and try to understand the process step by step

Attrition affecting companies is a major problem since high employee attrition is its cost to an organization posting, hiring process, paperwork and new hire trainings are some of the common expenses of losing employees and replacing them. Additionally regular employees' turnover prohibits on organization from increasing its collective knowledge base and experience over time. Errors and issues are more likely if you constantly have new workers too.

Therefore, the major goal of this product is to identify the Attrition rate as a simple no tag making this to be a classification problem!

Please visit on this link there I upload the dataset of HR_ Analytics _project

[ipynb-file/HR_DATA_ANALYTICS_PROJECT\(1\).ipynb at main · vireshyadav/ipynb-file \(github.com\)](https://github.com/vireshyadav/ipynb-file/blob/main/HR_DATA_ANALYTICS_PROJECT(1).ipynb)

I am new comer here in data science domain with some knowledge of 6 month I have shared my effort in this blog to someone who is stepping in this field and can take some advantage from it but to be honest it's definitely inspired by others I saw many blogs of this project on internet who have worked on this project and concluded my best way to make this blog.