

WFH vs WFO Prediction

Problem statement:

Develop a classification model which can predict if people prefer WFH vs WFO post Covid-19 using machine learning algorithms.

- perform data exploration, preprocessing and visualization
- implement classification model using sklearn library
- evaluate the model using appropriate performance metrics
- develop the WFH vs WFO Prediction system.
- Deploy the model

Introduction:

Since the pandemic began, most of us have been working from home. We wanted to see if people preferred working from home or they missed going back to office

About Dataset:

Content

ID - Unique Identifier for each record

Name - Names of people (Real names has been modified)

Age- The ages of the people who took the survey

Occupation - The type of work of the people who took the survey

Gender- The gender of the people who took the survey

Same_office_home_location - Answers the question :Do you reside in the base location as your office? --> yes or no

kids - if they have kids or not. --> yes or no

RM_save_money - Answers the question :Do you feel you were able to save money with remote work? --> yes or no

RM_quality_time - Answers the question : Do you feel that remote work has given you more quality time with family/friends? --> yes or no

RM_better_sleep - Answers the question : Has your sleep cycle improved with work from home? --> yes or no

calmer_stressed - Answers the question : Are you calmer or more stressed than usual since remote work began?

RM_professional_growth - Answers the question : On a scale of 1-5, Do you feel WFH has affected your professional growth adversely?(5=yes it's affecting me badly, 1 No it doesn't affect me)

RM_lazy - Answers the question : On a scale of 1-5, do you feel WFH has made you lazy?(5-extremely lazy, 1-Nope, not lazy at all)

RM_productive - Answers the question : On a scale of 1-5, are you more productive with working remotely?(1-not productive at all, 5-extremely productive)

digital_connect_sufficient - Answers the question : Do you feel digital connect is sufficient?

RM_better_work_life_balance - Answers the question : On a scale of 1-5, do you feel you have a better work-life balance with remote work?(1-No not at all, 5-Yessssssss)

RM_improved_skillset - Answers the question : On a scale of 1-5, how much has your skillset improved in the last two years?(skillset with respect to your work domain, 1:Not improved, 5:Improved drastically)

RM_job_opportunities - Answers the question : Do you think there are more job opportunities with remote work?

Target- Answers the question : In the future which of the following do you think is more suited for you?(Sorry, but hybrid isn't an option here)