

INSURANCE PREMIUM PREDICTION

WIREFRAME DOCUMENT

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Homepage

Homepage consists of single page having different section to go on. The page designed in such way that user can switch between Home page, view logs ,view Artifact, View trained models ,Estimate Insurance Premium price prediction and train insurance premium model . There are 5 different sections in the homepage where the user can switch according to requirement.

Insurance Premium Price Estimation

HomeView LogsView ArtifactsView Trained ModelEstimate Insurance Premium PriceExperiment History

View Logs

View Artifacts

View Trained Model

Estimate Insurance Premium Price

Train Insurance Premium Price Estimator

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Check Course

View Logs

Log Files

All model training log file can be downloaded.

Check Logs

View Artifacts

Artifact Files

All model artifacts file can be downloaded.

Check Artifacts

View Trained Models

Trained Models

All model file can be downloaded.

Check Models

Insurance Premium Estimator

Access Insurance Premium

Form will be displayed. Submit the form to get estimated price for insurance premium prediction.

Get Estimated Premium Price

Train Insurance_Premium_Prediction model.

Initiate model training.


Model training will be done. Files such as log, artifact and models can be viewed and downloaded using appropriate link.

Initiate Training

Fullstack Data Science Job Gu

iNeuron

lifetime access



After Clicking on Train Insurance Premium Price Estimator:

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Train Insurance Premium Price Estimator

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Training started.

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After clicking on that our model training will start and it will show the result in our experiment section .

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	experiment_id	artifact_timestamp	running_status	start_time	stop_time	execution_time	message	accuracy	is_model_accepted	created_timestamp
0	ccca0661-e9a5-48b9-8ee1-ae0aacc178	22-08-02-09-45-58	True	2022-08-02 09:45:58.269662	NaN	NaN	Pipeline has been started.	NaN	NaN	2022-08-02 09:45:58.269823
1	ccca0661-e9a5-48b9-8ee1-ae0aacc178	22-08-02-09-45-58	False	2022-08-02 09:45:58.269662	2022-08-02 09:46:49.879938	0 days 00:00:51.610276	Pipeline has been completed.	0.860752	True	2022-08-02 09:46:49.880089

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After our model trained successfully, we can start prediction while clicking on Estimate Insurance Premium Price Section

The screenshot displays the 'Insurance Premium Price Estimation' web application. The navigation bar includes links: Insurance Premium Price Estimation, Home, View Logs, View Artifacts, View Trained Model, Estimate Insurance Premium Price, and Experiment History. The left sidebar menu has options: View Logs, View Artifacts, View Trained Model, Estimate Insurance Premium Price (highlighted), and Train Insurance Premium Price Estimator. The main content area is titled 'Insurance Premium Estimation Form' and contains input fields for age, sex, smoker, bmi, children, and region. A 'Predict Insurance Premium Value' button is present. Below the form, a modal window titled 'Insurance Premium price' shows a table of input features and their values.

Input Feature	Feature Value
age	23
sex	female
bmi	29.0
children	2
smoker	yes
region	southeast
expenses	20426.055878621806

Below the table, it says 'Insurance Premium Prediction' and 'Go to Home'.

Fill the form for prediction and submit it for prediction.

We can also check our other components of our model such as artifacts, trained models, log history and experiment records

View Logs

The screenshot shows the 'View Logs' section of the application. The navigation bar is the same as the previous screenshot. The left sidebar menu has 'View Logs' highlighted. The main content area shows a blue document icon and the filename 'log_22-08-02-09-45-37.log' with a download icon. The footer contains social media icons for Facebook, Twitter, Google+, Instagram, LinkedIn, and GitHub, followed by the copyright notice: '© 2022 Copyright: iNeuron Intelligence Pvt Limited'.

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Go to
Home

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log_message
[2022-08-02 09:45:58,266]:$Training_pipeline_config:TrainingPipelineConfig(artifact_dir='/app/insurancePremiumPrediction/artifact')\n
[2022-08-02 09:45:58,267]:$Pipeline starting.\n
[2022-08-02 09:45:58,269]:$Pipeline experiment: Experiment(experiment_id='cca0661-e9a5-48b9-8ee1-ae0aacc178', initialization_timestamp='22-08-02-09-45-58',
artifact_time_stamp='22-08-02-09-45-58', running_status=True, start_time=datetime.datetime(2022, 8, 2, 9, 45, 58, 269662), stop_time=None, execution_time=None, message='Pipeline has
been started.', experiment_file_path='/app/insurancePremiumPrediction/artifact/experiment.csv', accuracy=None, is_model_accepted=None)\n
[2022-08-02 09:45:58,277]:$----- Data Ingestion Log Started ,-----\n
[2022-08-02 09:45:58,278]:$Downloading file from :[https://drive.google.com/u/0/uc?id=1QuiH3YyUUQRMC0h5T-ictME30_kh1H9x&export=download]\n
[2022-08-02 09:45:58,831]:$File [https://drive.google.com/u/0/uc?id=1QuiH3YyUUQRMC0h5T-ictME30_kh1H9x&export=download] has been downloaded successfully at
[/app/insurancePremiumPrediction/artifact/data_ingestion/22-08-02-09-45-58/zip_data/insurance.zip] . \n
[2022-08-02 09:45:58,831]:$Extraction of data started from [/app/insurancePremiumPrediction/artifact/data_ingestion/22-08-02-09-45-58/zip_data/insurance.zip] into dir :
[/app/insurancePremiumPrediction/artifact/data_ingestion/22-08-02-09-45-58/raw_data]\n
[2022-08-02 09:45:58,833]:$-----Extraction Completed -----\n
[2022-08-02 09:45:58,857]:$----- Data Ingestion Successfully -----\n
[2022-08-02 09:45:58,857]:$----- Data Ingestion Log Completed ,-----\n
NaN
NaN
[2022-08-02 09:45:58,858]:$----- Data Validation Log Started ,-----\n
[2022-08-02 09:45:58,858]:$----- Data Validation Log Completed ,-----\n

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View Trained Models

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View Artifacts

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artifact

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After further clicking artifact folder we can access all folders inside Artifacts

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InsurancePremiumPrediction/artifact

experiment
model_trainer
model_evaluation
data_transformation
data_ingestion
data_validation

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