

Wireframe

Insurance Premium Prediction

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Contents

Abstract	4
Web Interface	5
Model Training	5
User Input	6
Result Page	7
Batch Prediction	8
Batch Prediction Output	9

Abstract

Our primary objective is to empower individuals to approach health insurance providers with confidence, armed with a clear understanding of the expected financial commitments tied to their selected coverage. By eliminating the uncertainty surrounding insurance premiums, we enable people to prioritize their health and well-being over pricing complexities. This innovative approach shifts the focus away from the intricacies of policy pricing and toward a user-centric perspective that promotes informed decision-making. Ultimately, our goal is to enhance the overall insurance experience, making it more personalized and user-friendly. We aim to facilitate insurance choices that reflect individual needs and financial considerations, empowering individuals to invest in their health with clarity and assurance

1.Web Interface

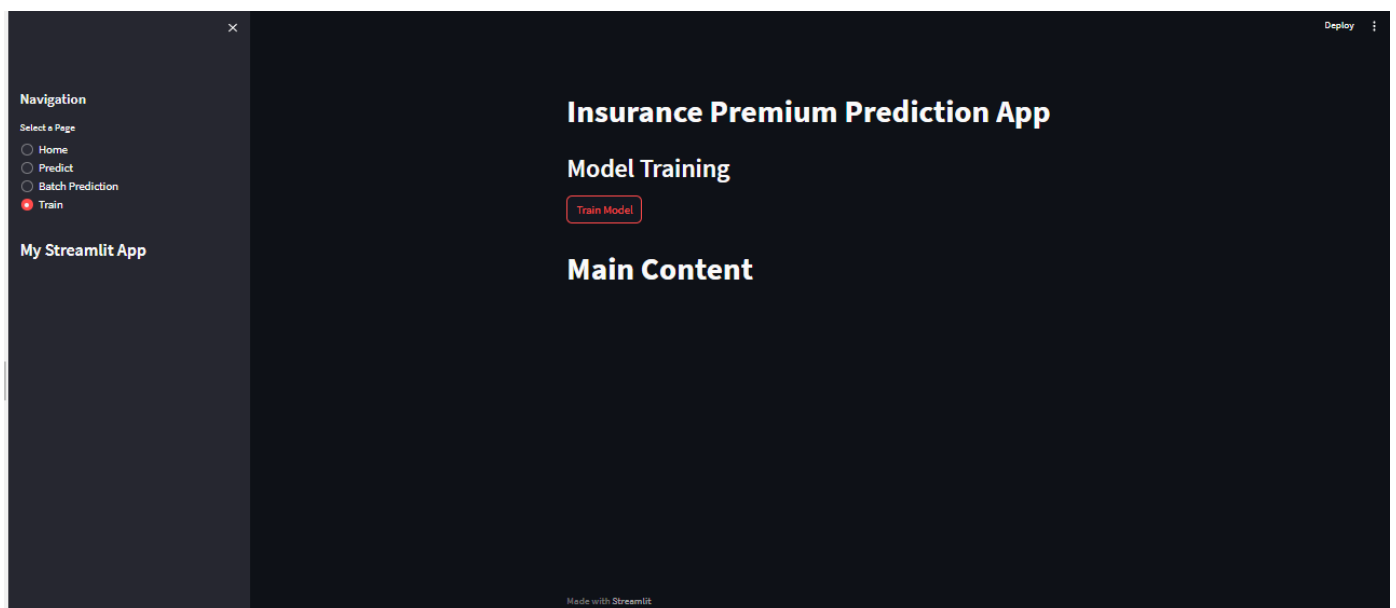
Our web page is one single interface where both input from the user and the prediction is displayed.

LocalHost

INSURANCE PREMIUM PREDICTION

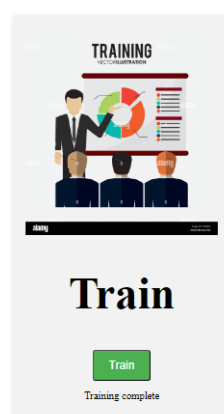


streamlit Cloud

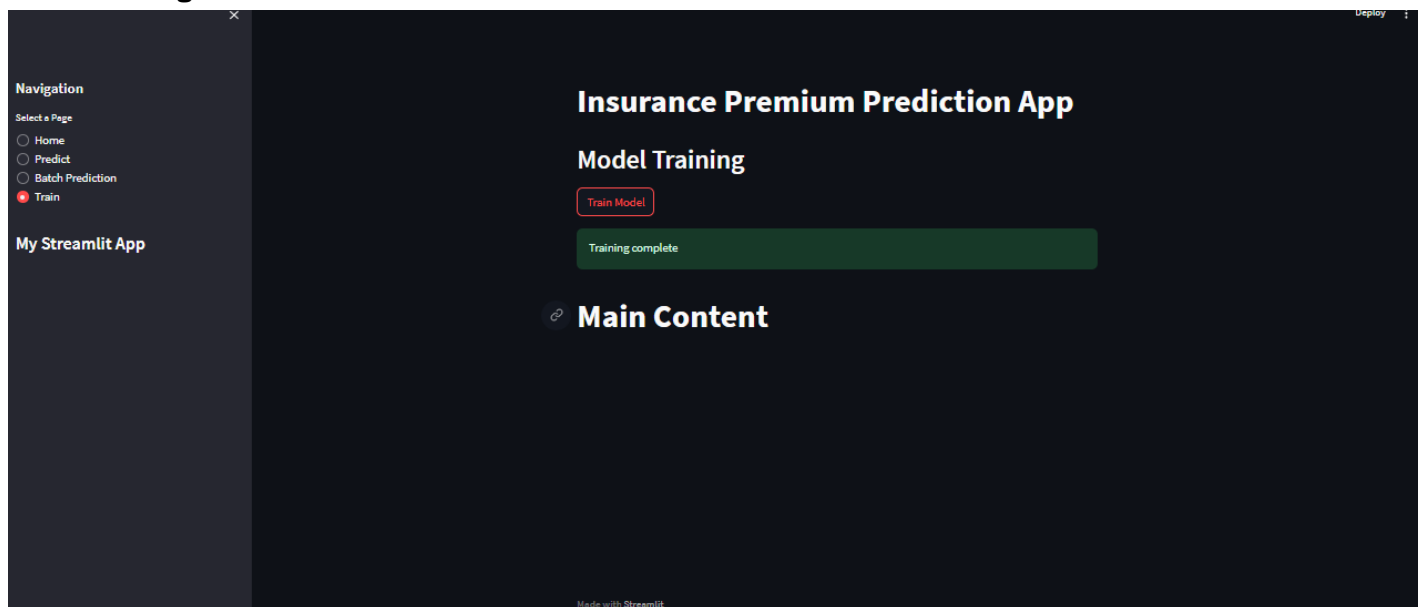


2.Model Training

Model Training Localhost



Model Training Streamlit



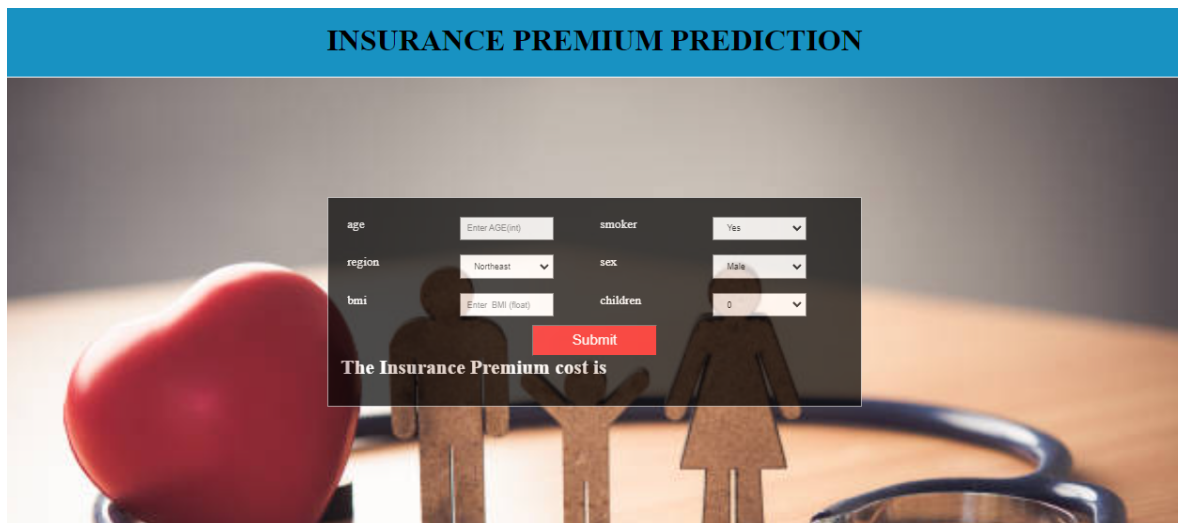
3User Input

Whenever the user hits our url , they first see the user input page here they have to provide the information like:

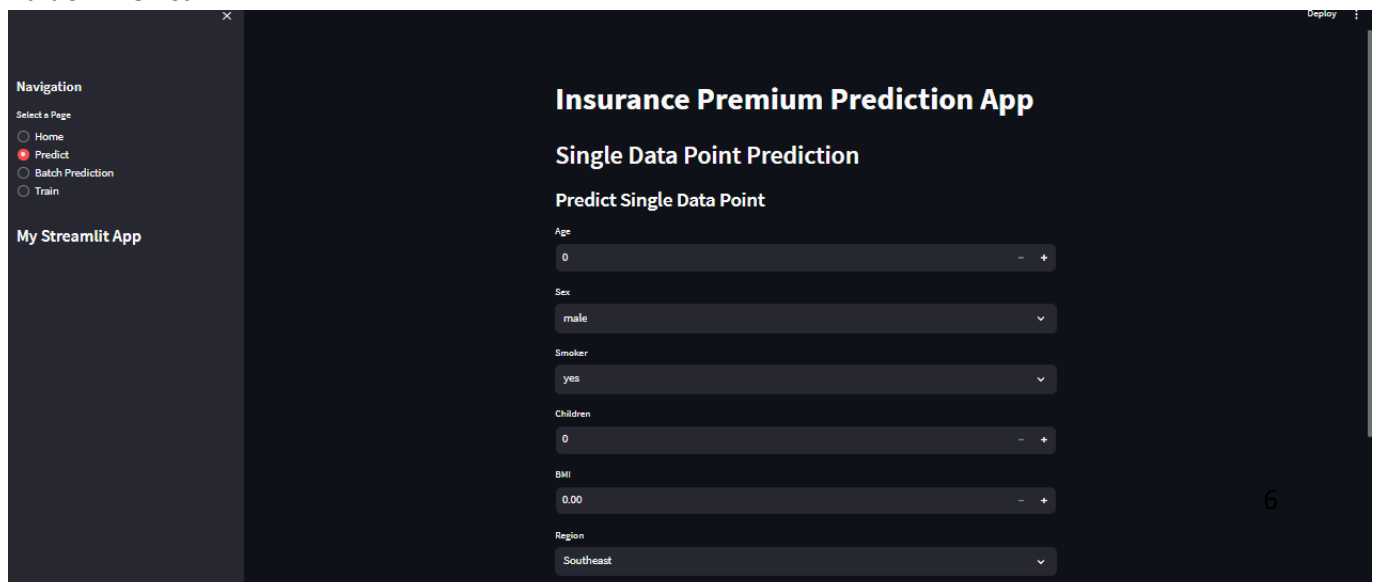
Every user input has its own dropdown where the user can select their input.

After providing the required input and pressing the submit button, the page refreshes and displays the output

Value Fill LocalHost



Value Fill Streamlit

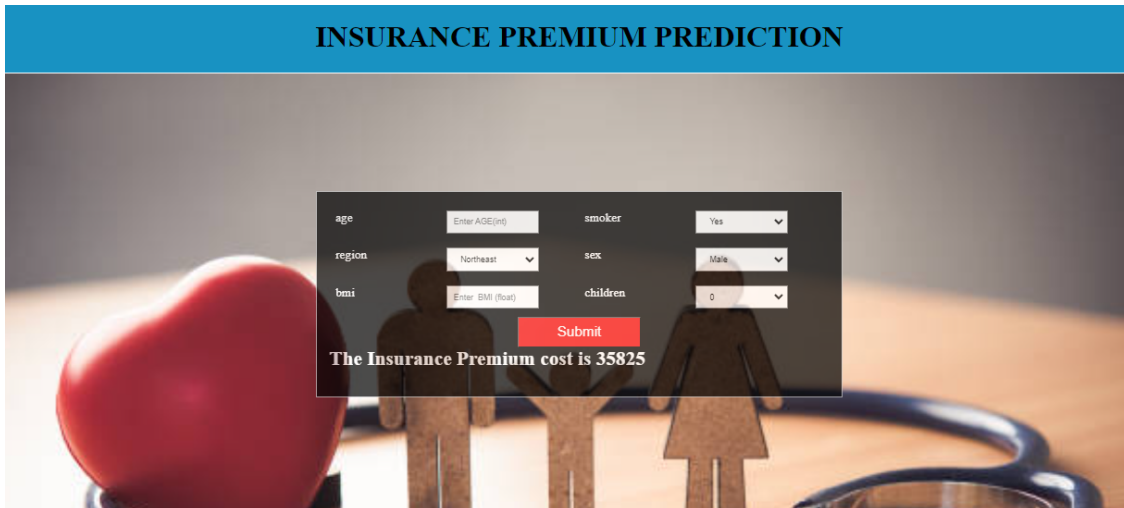


4.Result Page

After the user hits the submit button the page gets refreshed and the results are being displayed in the highlighted area in the above frame.

The user can refill all the inputs in same page and get the results in the same way.

Result Localhost

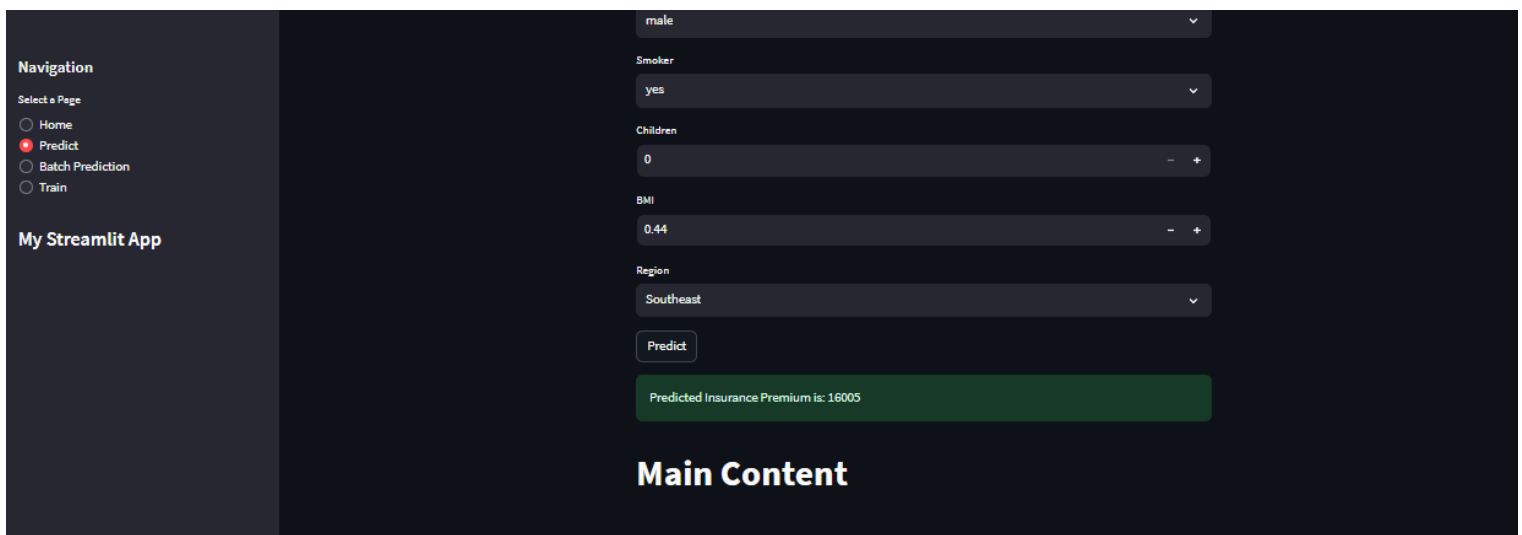


The image shows a web application titled "INSURANCE PREMIUM PREDICTION". The form is overlaid on a background image of a red apple, a stethoscope, and three small human figures. The form fields are:

Field	Value
age	Enter AGE(int)
region	Northeast
bmi	Enter BMI (float)
smoker	Yes
sex	Male
children	0

Below the form is a red "Submit" button. The result displayed below the button is: "The Insurance Premium cost is 35825".

Result Streamlit



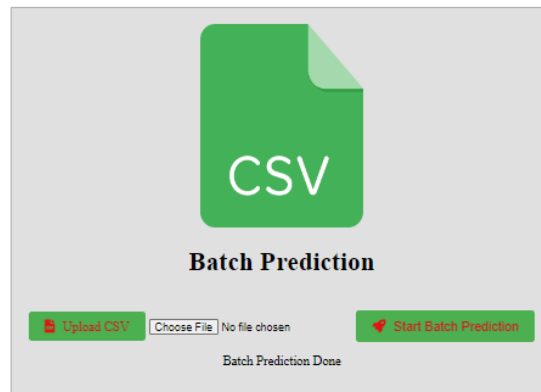
The image shows a Streamlit application interface for "Insurance Premium Prediction". The interface is dark-themed and includes a sidebar with navigation options: Home, Predict (selected), Batch Prediction, and Train. The main content area displays the following form fields:

Field	Value
male	male
Smoker	yes
Children	0
BMI	0.44
Region	Southeast

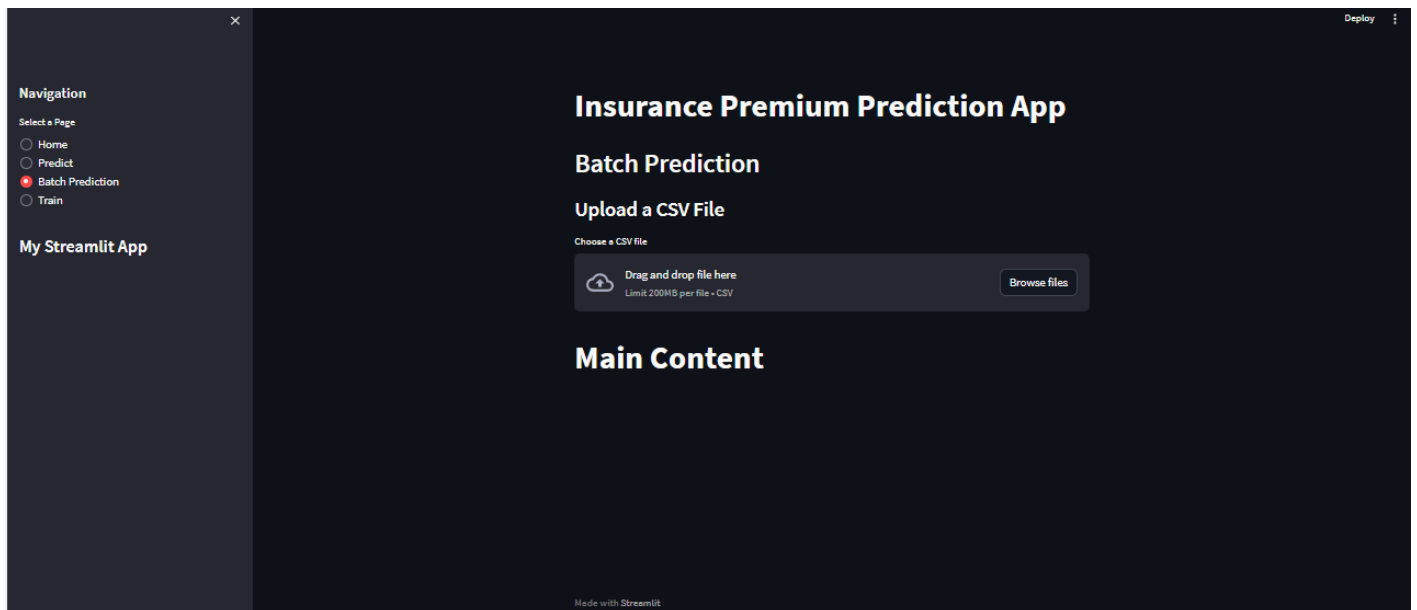
Below the form is a "Predict" button. The result displayed below the button is: "Predicted Insurance Premium is: 16005".

5.Batch Prediction

Batch Localhost



Batch streamlit



6.Batch Prediction Output:

Localhost:

```
batch_Prediction > Prediction_csv > output.csv
1 prediction
2 11421.67140980226
3 5808.630372820755
4 27906.918316100502
5 9681.110446118648
6 34047.02006659518
7 5183.00393405296
8 2752.5722772470394
9 18563.838878467246
10 4827.722736719436
11 10634.71040449833
12 18572.32120822466
13 7721.118016012617
14 6003.778262100189
15 45198.12616351239
16 47255.113986480486
17 44826.308733080215
18 10621.490181127501
19 44617.777488445834
20 9686.233298107098
21 23765.43013936369
```

Streamlit:

Navigation

Select a Page

Home

Predict

Batch Prediction

Train

My Streamlit App

Insurance Premium Prediction App

Batch Prediction

Upload a CSV File

Choose a CSV file

Drag and drop file here

Limit 200MB per file • CSV

Browse files

test.csv

10.1KB

×

Batch Prediction Done

Main Content

Made with Streamlit