

Wireframe

Insurance Premium Prediction

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Document Version Control

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Abstract

To give people an estimate of how much they need based on their individual health situation. After that, customers can work with any health insurance carrier and its plans and perks while keeping the projected cost from our study in mind. I am considering variables as age, sex, BMI, number of children, smoking habits and living region to predict the premium. This can assist a person in concentrating on the health side of an insurance policy rather than the ineffective part.

1. Web Interface

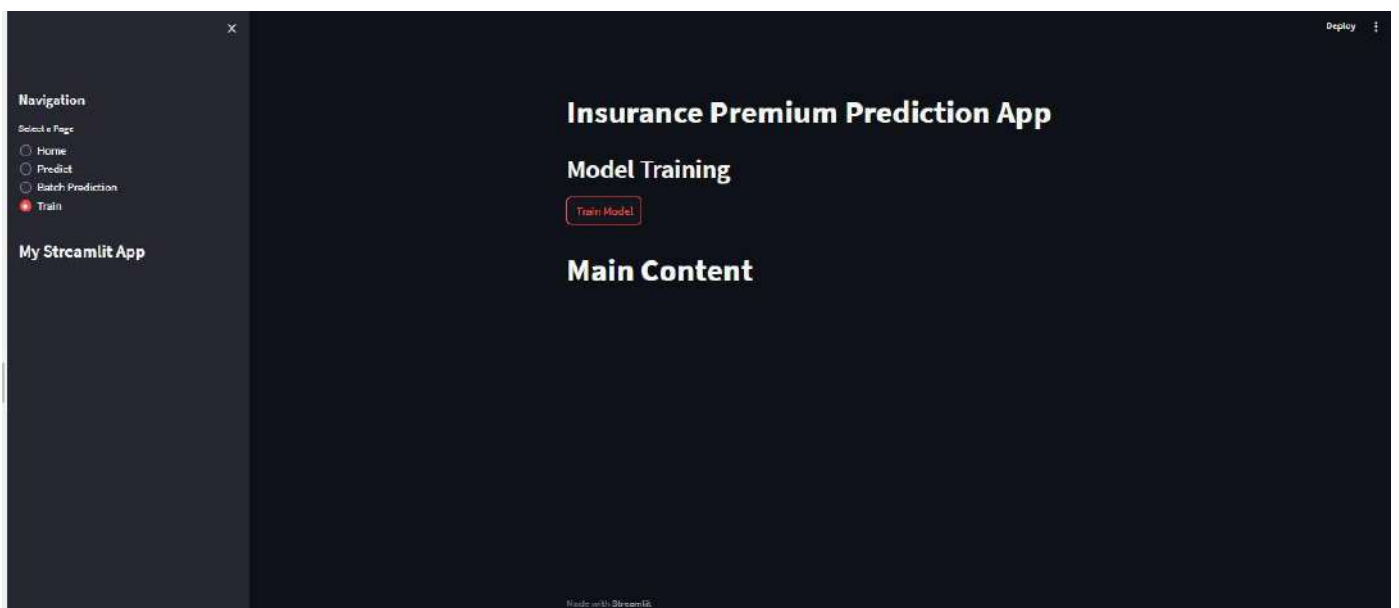
Our web page is one single interface where both input from the user and the prediction is displayed.

LocalHost

INSURANCE PREMIUM PREDICTION



Streamlit Cloud

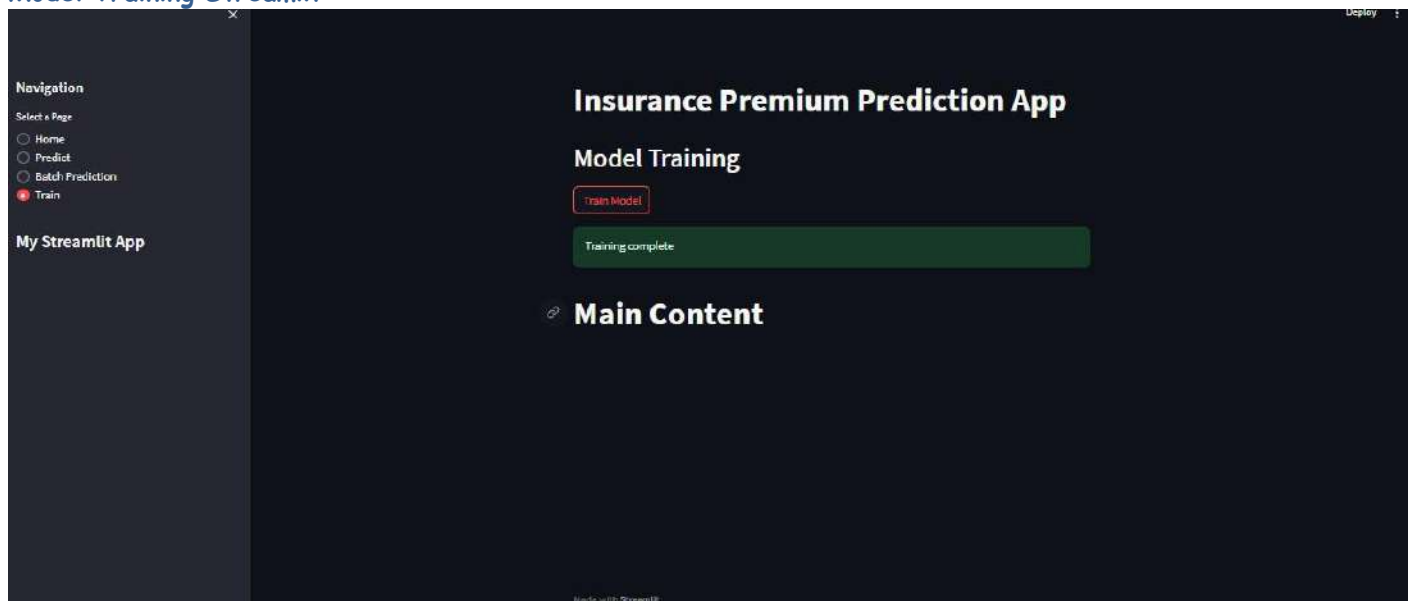


2. Model Training

Model Training Localhost



Model Training Streamlit



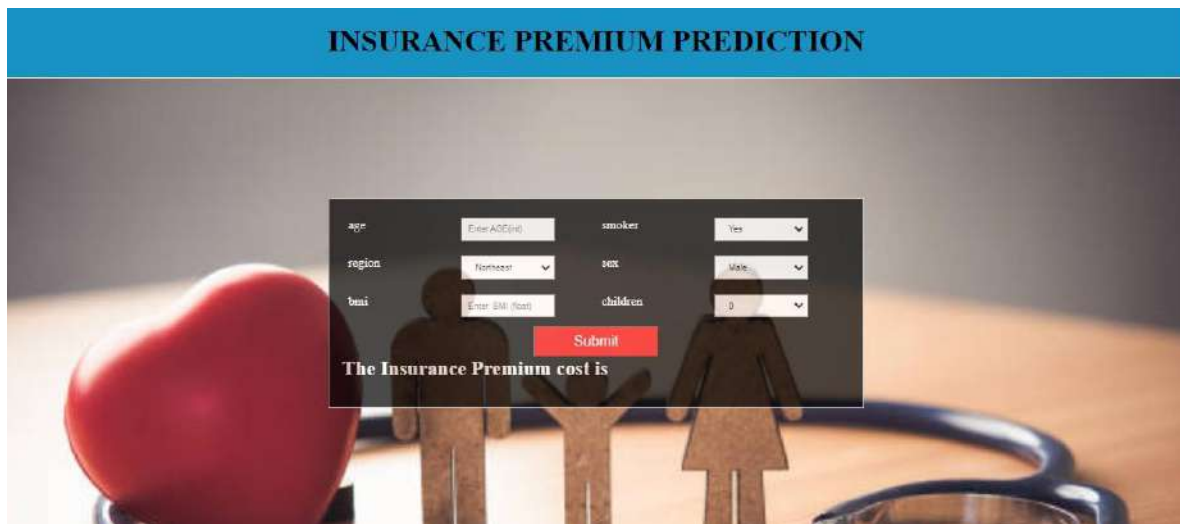
3 User Input

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

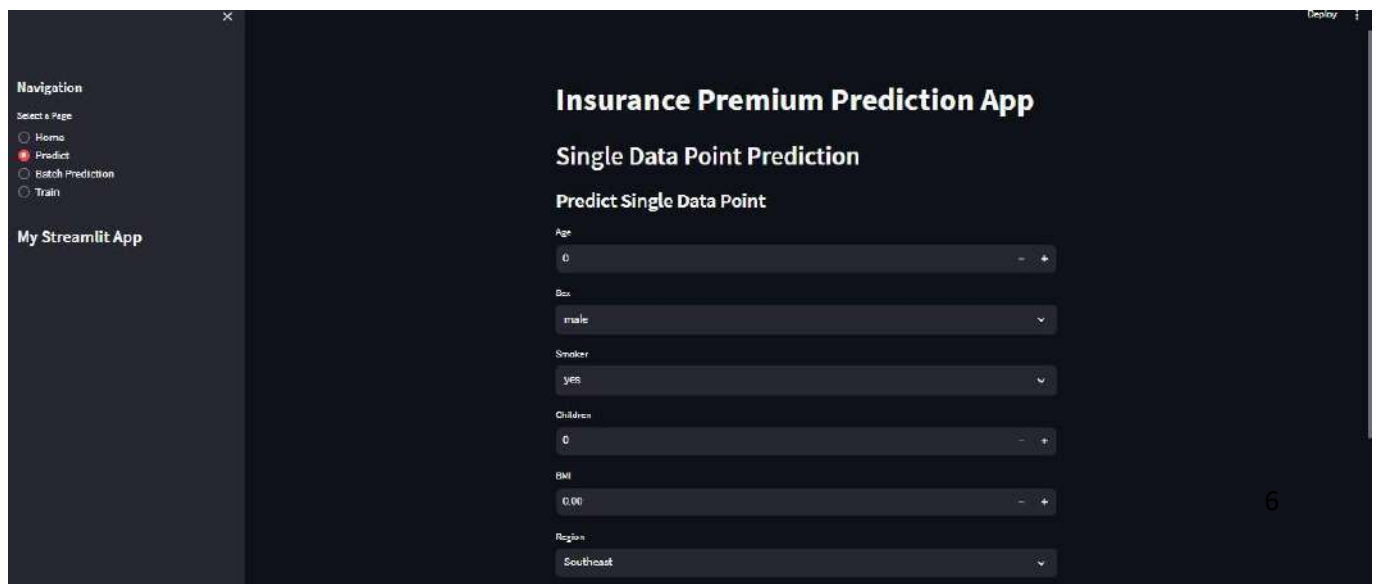
Every user input has its own dropdown where the user can select their input.

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

Value Fill LocalHost



Value Fill Streamlit

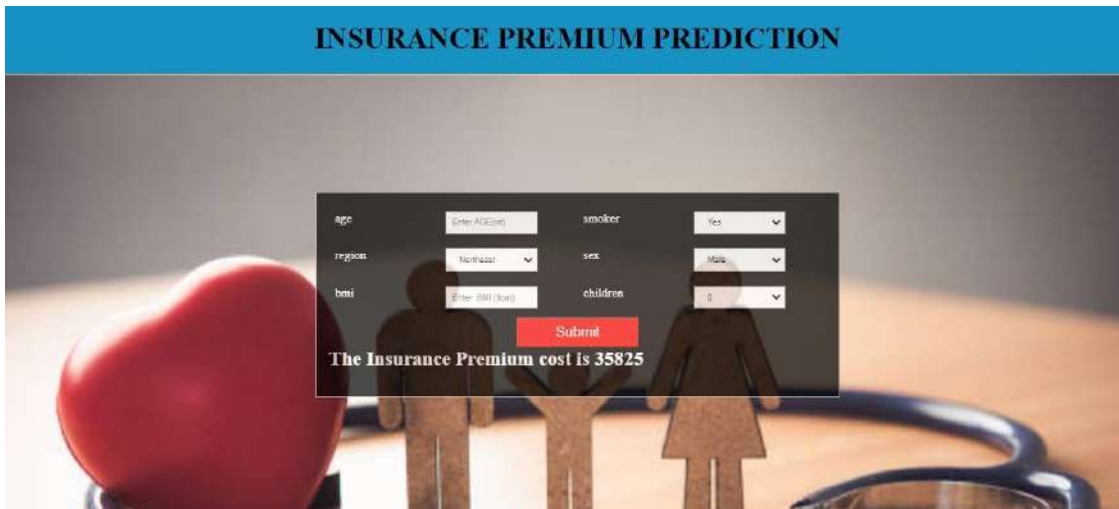


4. Result Page

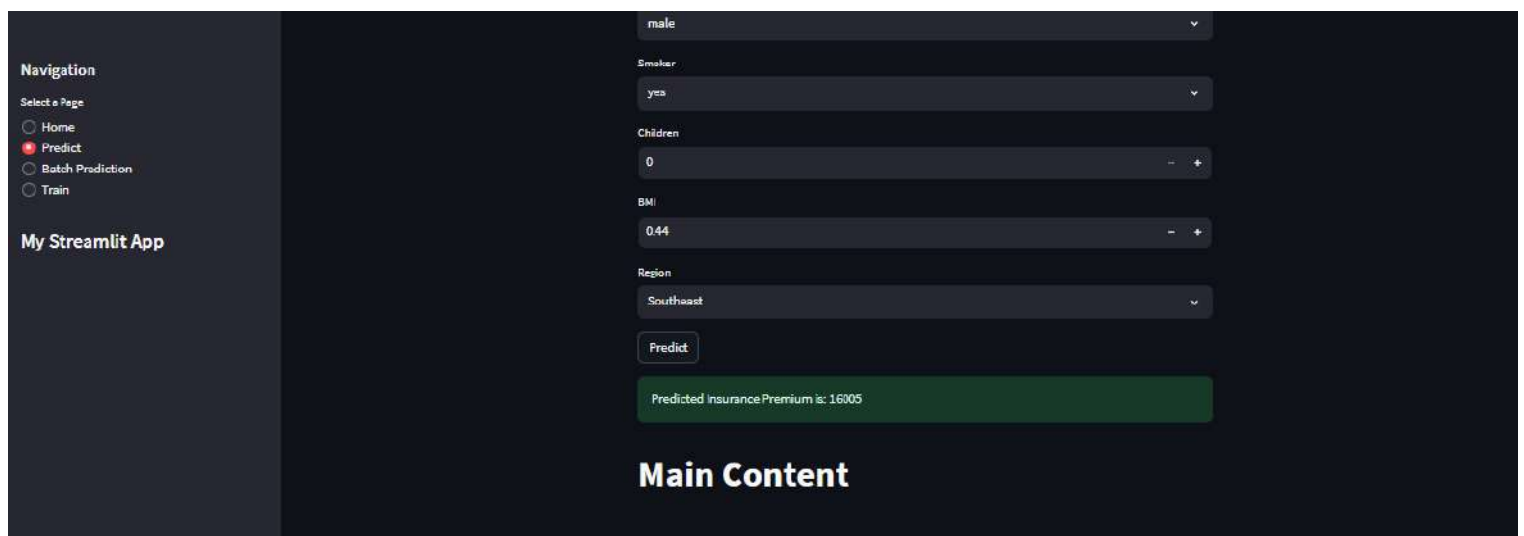
After the user hits the submit button the page gets refreshed and the results are being displayed in the highlighted area in the above frame.

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

Result Localhost

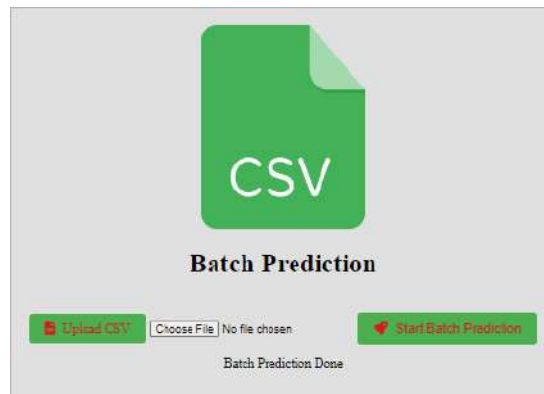


Result Streamlit

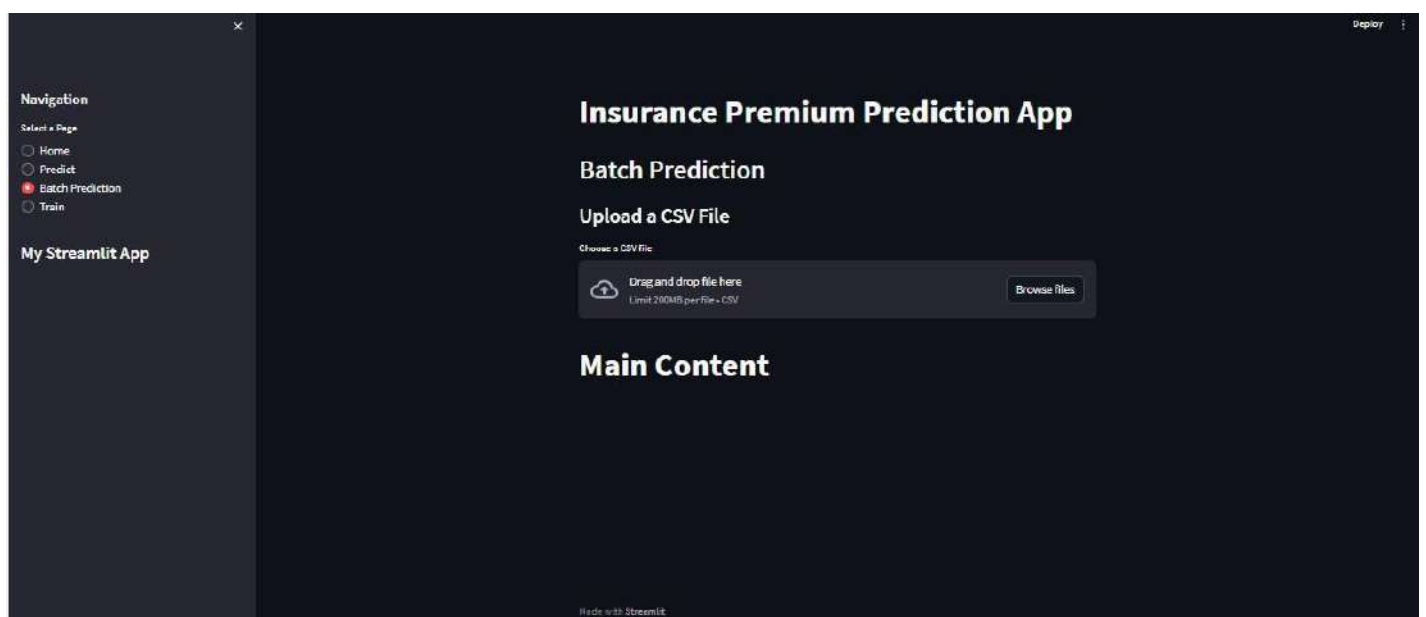


4.Batch Prediction

Batch Localhost



Batch streamlit



6. Batch Prediction Output:

```
batch_Prediction > Prediction_csv > output.csv
```

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

Localhost:

Streamlit:

