

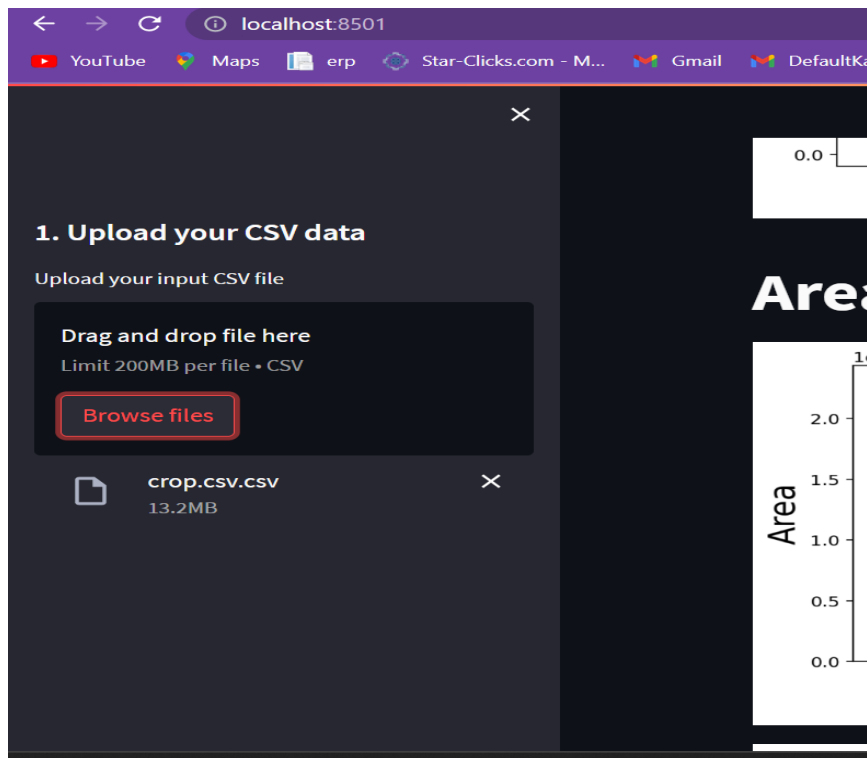
Sprint 3 -DashBoard:

CODE:

```
with st.sidebar.header('1. Upload your CSV data'):
```

```
    uploaded_file = st.sidebar.file_uploader("Upload your input CSV file", type=["csv"])
```

OUTPUT :



CODE:

```
if uploaded_file is not None:
```

```
    @st.cache
```

```
    def load_csv():
```

```
        csv = pd.read_csv(uploaded_file)
```

```
        return csv
```

```
df = load_csv()
```

```
pr = ProfileReport(df, explorative=True)
```

```
st.header('***Input DataFrame***')
```

```
st.write(df)
```

```
st.write('---')
```

```
st.header('***Pandas Profiling Report***')
```

```
st_profile_report(pr)
```

else:

```
st.info('Awaiting for CSV file to be uploaded.')
```

OUTPUT :

The screenshot shows the pandas-profiling web interface at localhost:8501. On the left, a sidebar titled '1. Upload your CSV data' contains a file upload area with a 'Browse files' button and a file named 'crop.csv.csv' (13.2MB). The main panel has three tabs: 'Overview', 'Warnings' (with a badge of 6), and 'Reproduction' (which is active). The 'Reproduction' tab displays a table of analysis details.

Reproduction	
Analysis started	2022-11-04 01:11:41.286518
Analysis finished	2022-11-04 01:11:48.401414
Duration	7.11 seconds
Software version	pandas-profiling v2.10.0
Download configuration	config.yaml

Below the table, the 'Variables' section shows 'State_Name' as a Categorical variable.

The screenshot shows the pandas-profiling web interface at localhost:8501, with the 'Overview' tab active. The sidebar is identical to the previous screenshot. The main panel displays 'Dataset statistics' and 'Variable types'.

Dataset statistics	
Number of variables	7
Number of observations	246091
Missing cells	3730
Missing cells (%)	0.2%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	68.0 MiB
Average record size in memory	289.7 B

Variable types	
Categorical	4
Numeric	3

