

NIT HACKATHON

Vertical : Data Science

Topic : Website called 'Pipeline' for data preprocessing

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Step 1:
Upload a file

←

Pipeline

—

□

✕

←

<File uploaded>

File not chosen

↑ Upload

Data Preprocessing options

Null Value Treatment ▼

Data Creation ▼

Drop Data ▼

Data Slicing ▼

Feature Scaling ▼

<File with changes>

The space where contents of the current uploaded file will be showcased

It is similar to a preview pane. The space where a copy of the uploaded file is showcased ; here all the data preprocessing changes will be made. Changes made here will not correspond to the original file. This is only for viewing and modifying

Step 2:
After a file is
uploaded, the
screen will
change to look
like this ->

←

File1.csv

File1.csv

↕

Upload complete

Data Preprocessing options

Null Value Treatment ▼

Data Creation ▼

Drop Data ▼

Data Slicing ▼

Feature Scaling ▼

File1.csv

save

File1_edit.csv

commit

File statistics

File statistics

These panes
will show no.of
null values,
range, data
types, mean,
variance, max
value, min
value etc
statistics of the
files so we can
see how the
preprocessing
is affecting the
data

Step 3:
Perform data
preprocessing
using the
options
provided in the
dropdown
menus

Pipeline

File1.csv

File statistics

File1.csv

Upload complete

Data Preprocessing options

Null Value Treatment

Data Creation

Drop Data

Data Slicing

Feature Scaling

- Normalization
- Standardization

File1_edit.csv

File statistics

save

commit

Step 5:
Click the save button to save the file after modifying it to your system

Pipeline

File1.csv

File statistics

File1.csv

Upload complete

Data Preprocessing options

Null Value Treatment

Data Creation

Drop Data

Data Slicing

Feature Scaling

Normalization

Standardization

File1_edit.csv

File statistics

commit

Step 6:
Name the file
and choose a
location on
your system to
save it

←

Pipeline

—

□

✕

←

File1.csv

File statistics ✕

File1.csv

↕

Upload complete

Data Preprocessing options

Null Value Treatment ▾

Data Creation ▾

Drop Data ▾

Data Slicing ▾

Feature Scaling ▾

Normalization

Standardization

File1.csv

Save changes to this file?

File name

.csv

Choose a location

Documents

OneDrive - Documents

More Options

Save

Don't save

Cancel

save

File statistics ✕

commit