

YData Profiling

Description

- `ydata_profiling` (formerly known as `pandas-profiling`) is a powerful Python library that automates Exploratory Data Analysis (EDA) by generating detailed reports from a pandas DataFrame.
- These reports provide insights into:
 - data types
 - missing values
 - distributions
 - correlations

Setup and Installation

- Install via `pip`

```
pip install ydata-profiling
```

Basic Usage

```
import pandas as pd
from ydata_profiling import ProfileReport

# Load your dataset
df = pd.read_csv("your_dataset.csv")

# Create a ProfileReport
profile = ProfileReport(df, title="Profiling Report")

# Or save the report as an HTML file
profile.to_file("profiling_report.html")
```

Resources

- [ydata-profiling Documentation](#)