Simulator

Overview

`simulator` is a Python package designed to compare two CSV or Excel files by analyzing their common columns. The package provides a structured comparison and generates analytical insights on the differences between the files.

Features

- Compare two CSV or Excel files based on common columns.
- Store the comparison result in the class variable `compared_df`.
- Generate an analysis of the comparison based on:
- `Percentage_match`
- `True_counts`
- `False_counts`
- `Noise`
- `Column_size`

Installation

```
pip install simulator
```

Usage

Import the package

```
from simulator import compareData
```

Compare two CSV/Excel files

```
# Create an instance of compareData
comparator = compareData('file1.csv', 'file2.csv')

# Access the compared dataframe
print(comparator.compared_df)
```

Get Comparison Summary

```
summary = comparator.summary()
print(summary)
```

Repository

For more details, visit the GitHub repository: simulator on GitHub

License

This project is licensed under the MIT License.

Author

Vijay Takbhate