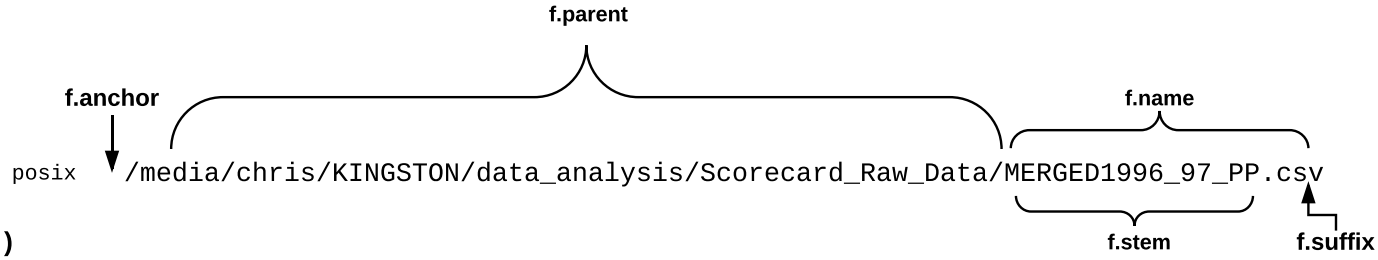
Python Pathlib Cheatsheet



f.absolute()

Windows → *D:/*data_analysis*/Scorecard_Raw_Data/MERGED1996_97_PP.csv*

f.drive

f.as_uri()

posix *file:///media/chris/KINGSTON/data_analysis/Scorecard_Raw_Data/MERGED1996_97_PP.csv*

Windows *file:///D:/data_analysis/Scorecard_Raw_Data/MERGED1996_97_PP.csv*

list(f.parents)

```
[PosixPath('/media/chris/KINGSTON/data_analysis/Scorecard_Raw_Data'),
PosixPath('/media/chris/KINGSTON/data_analysis'),
PosixPath('/media/chris/KINGSTON'),
PosixPath('/media/chris'),
PosixPath('/media'),
PosixPath('/')]
```

f.parts

```
('/', 'media', 'chris', 'KINGSTON', 'data_analysis', 'Scorecard_Raw_Data', 'MERGED1996_97_PP.csv')
```

Path('test.tar.gz').suffixes `['.tar', '.gz']`

Create a Path object for a directory

```
from pathlib import Path
p = Path("/media/chris/KINGSTON/data_analysis")
```

Create a Path object for a file

```
f = p.joinpath('Scorecard_Raw_Data/MERGED1996_97_PP.csv')
f = p / "Scorecare_Raw_Data / "MERGED1996_97_PP.csv"
```

Create a list of all .csv files in current dir

```
list(p.glob('*.csv'))
```

Create a list of all .csv files recursing through all subdirectories

```
list(p.rglob('*.csv'))
```

Rename a file

```
f.with_name("Merged96_97.csv")
```

Get modified and created time of a file

```
import time

time.ctime(f.stat().st_mtime)
time.ctime(f.stat().st_ctime)
```

Get size of file

```
f.stat().st_size
```

Create a Path object from multiple parts

```
dir_parts = ["in", "input.xlsx"]
f2 = Path.cwd().joinpath(*dir_parts)
```

Test if Path is a dir or file

```
p.is_dir()
f.is_file()
```

Test if Path exists

```
p.exists()
```

Get current working and home dir

```
Path.cwd()
Path.home()
```

Use scandir to iterate through dirs and build list of all files

```
import os

file_list = []
for entry in os.scandir(p):
    if entry.is_file():
        file_list.append(entry)
```