

```
p4 = df[df['occupation'].notna()] # Programa de aqui en adelante
# ...
p4
[6] ✓ 0.0s Python
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS 2 JUPYTER

```
@axel-bh → /workspaces/02-pandas-axel-bh (main) $ pytest -p no:warnings -k "test_ex04" tests/
===== test session starts =====
platform linux -- Python 3.12.1, pytest-8.3.5, pluggy-1.5.0
rootdir: /workspaces/02-pandas-axel-bh
plugins: anyio-4.9.0
collected 10 items / 9 deselected / 1 selected

tests/test_notebook.py . [100%]

===== 1 passed, 9 deselected in 1.45s =====
@axel-bh → /workspaces/02-pandas-axel-bh (main) $
```

```
p5 = df.groupby('gender')['age'].mean() # Programa de aqui en adelante
# ...
p5
[7] ✓ 0.0s Python
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS 2 JUPYTER

```
@axel-bh → /workspaces/02-pandas-axel-bh (main) $ pytest -p no:warnings -k "test_ex05" tests/
===== test session starts =====
platform linux -- Python 3.12.1, pytest-8.3.5, pluggy-1.5.0
rootdir: /workspaces/02-pandas-axel-bh
plugins: anyio-4.9.0
collected 10 items / 9 deselected / 1 selected

tests/test_notebook.py . [100%]

===== 1 passed, 9 deselected in 1.50s =====
@axel-bh → /workspaces/02-pandas-axel-bh (main) $
```

```
p6 = df['occupation'].replace('educator', 'teacher') # Programa de aqui en adelante
# ...
p6
[8] ✓ 0.0s Python
```

```
... user_id
1      NaN
2    other
3    writer
4  technician
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS 2 JUPYTER

```
@axel-bh → /workspaces/02-pandas-axel-bh (main) $ pytest -p no:warnings -k "test_ex06" tests/
===== test session starts =====
platform linux -- Python 3.12.1, pytest-8.3.5, pluggy-1.5.0
rootdir: /workspaces/02-pandas-axel-bh
plugins: anyio-4.9.0
collecting ...
collected 10 items / 9 deselected / 1 selected

tests/test_notebook.py . [100%]

===== 1 passed, 9 deselected in 1.45s =====
@axel-bh → /workspaces/02-pandas-axel-bh (main) $
```

```
p3 = df[df['occupation'] == 'administrator'] # Programa de aqui en adelante

# ...

p3
```

[5] ✓ 0.0s Python

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS 2 JUPYTER

@axel-bh → /workspaces/02-pandas-axel-bh (main) \$ pytest -p no:warnings -k "test_ex03" tests/

===== test session starts =====

platform linux -- Python 3.12.1, pytest-8.3.5, pluggy-1.5.0
rootdir: /workspaces/02-pandas-axel-bh
plugins: anyio-4.9.0
collecting ...
collected 10 items / 9 deselected / 1 selected

tests/test_notebook.py . [100%]

===== 1 passed, 9 deselected in 1.65s =====

@axel-bh → /workspaces/02-pandas-axel-bh (main) \$

@axel-bh → /workspaces/02-pandas-axel-bh (main) \$

```
===== 1 passed, 9 deselected in 1.44s =====
```

@axel-bh → /workspaces/02-pandas-axel-bh (main) \$ pytest -p no:warnings -k "test_ex02" tests/

===== test session starts =====

platform linux -- Python 3.12.1, pytest-8.3.5, pluggy-1.5.0
rootdir: /workspaces/02-pandas-axel-bh
plugins: anyio-4.9.0
collecting ...
collected 10 items / 9 deselected / 1 selected

tests/test_notebook.py . [100%]

===== 1 passed, 9 deselected in 1.45s =====

```
p7 = df.isna().sum() # Programa de aqui en adelante

# ...

p7
```

[9] ✓ 0.0s Python

... age 5
gender 0
occupation 20

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS 2 JUPYTER

collected 10 items / 9 deselected / 1 selected

tests/test_notebook.py . [100%]

===== 1 passed, 9 deselected in 1.45s =====

@axel-bh → /workspaces/02-pandas-axel-bh (main) \$

@axel-bh → /workspaces/02-pandas-axel-bh (main) \$ pytest -p no:warnings -k "test_ex07" tests/

===== test session starts =====

platform linux -- Python 3.12.1, pytest-8.3.5, pluggy-1.5.0
rootdir: /workspaces/02-pandas-axel-bh
plugins: anyio-4.9.0
collecting ...
collected 10 items / 9 deselected / 1 selected

tests/test_notebook.py . [100%]

===== 1 passed, 9 deselected in 1.55s =====

```
p8 = df.dropna() # Programa de aqui en adelante

# ...

p8
```

[10] ✓ 0.0s Python

...

	age	gender	occupation	zip_code	birth_date
user_id					
2	53.0	F	other	94043	23-01-1957

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS 2 JUPYTER

@axel-bh → /workspaces/02-pandas-axel-bh (main) \$ pytest -p no:warnings -k "test_ex08" tests/

===== test session starts =====

platform linux -- Python 3.12.1, pytest-8.3.5, pluggy-1.5.0
rootdir: /workspaces/02-pandas-axel-bh
plugins: anyio-4.9.0
collecting ...
collected 10 items / 9 deselected / 1 selected

tests/test_notebook.py . [100%]

===== 1 passed, 9 deselected in 1.46s =====

@axel-bh → /workspaces/02-pandas-axel-bh (main) \$

```
p9 = df['occupation'].fillna('unknown') # Programa de aqui en adelante

# ...

p9
[11] ✓ 0.0s Python
... user_id
1 unknown
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS 2 JUPYTER

```
@axel-bh → /workspaces/02-pandas-axel-bh (main) $ pytest -p no:warnings -k "test_ex09" tests/
===== test session starts =====
platform linux -- Python 3.12.1, pytest-8.3.5, pluggy-1.5.0
rootdir: /workspaces/02-pandas-axel-bh
plugins: anyio-4.9.0
collected 10 items / 9 deselected / 1 selected

tests/test_notebook.py . [100%]

===== 1 passed, 9 deselected in 1.41s =====
❖ @axel-bh → /workspaces/02-pandas-axel-bh (main) $
```

```
@axel-bh → /workspaces/02-pandas-axel-bh (main) $ pytest -p no:warnings -k "test_ex01" tests/
===== test session starts =====
platform linux -- Python 3.12.1, pytest-8.3.5, pluggy-1.5.0
rootdir: /workspaces/02-pandas-axel-bh
plugins: anyio-4.9.0
collected 10 items / 9 deselected / 1 selected

tests/test_notebook.py . [100%]

===== 1 passed, 9 deselected in 1.44s =====
❖ @axel-bh → /workspaces/02-pandas-axel-bh (main) $
```

105

106	Test Runner Name	Test Score	Max Score
107			
108	test1	10	10
109			
110	test2	10	10
111			
112	test3	10	10
113			
114	test4	10	10
115			
116	test5	10	10
117			
118	test6	10	10
119			
120	test7	10	10
121			
122	test8	10	10
123			
124	test9	10	10
125			
126	test10	10	10
127			
128	Total:	100	100
129			
130	🏆 Grand total tests passed: 10/10		

```
p10 = pd.to_datetime(df['birth_date'], format='%d-%m-%Y', errors='coerce') # Programa de aqui en adelante

# ...

p10
```

[12]

✓ 0.0s

Python

... user_id

1 1986-05-03

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS 2

JUPYTER

bash

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• @axel-bh → /workspaces/02-pandas-axel-bh (main) \$ pytest -p no:warnings -k "test_ex10" tests/

===== test session starts =====

platform linux -- Python 3.12.1, pytest-8.3.5, pluggy-1.5.0

rootdir: /workspaces/02-pandas-axel-bh

plugins: anyio-4.9.0

collecting ...

collected 10 items / 9 deselected / 1 selected

tests/test_notebook.py .

[100%]

===== 1 passed, 9 deselected in 1.41s =====