

Nurse Staffing Recommendations

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abstract This is an abstract.

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[...]

Imports

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt

from src.stylesheet import customize_plots
from src.inspection import make_df, display
```

The dataset

[...]

```
# This is a test
def test(x):
    """
    This is a test.

    Parameters
    -----
    x : int
        An integer.

    Returns
    -----
```

```
y : int
    An integer.
'''
y = x + 1
return y
```

```
test(4)
```

```
5
```

```
customize_plots()
x = np.linspace(1, 10, 19)
plt.plot(x*2)
```

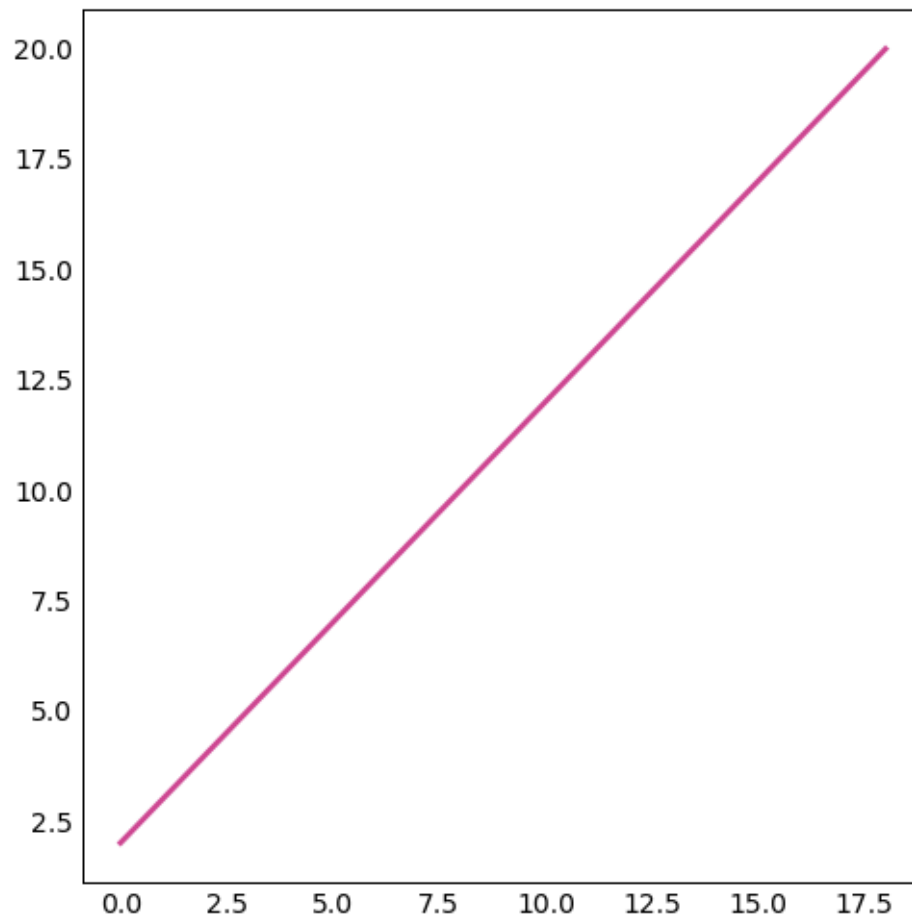


Figure 1: A figure caption

```
df = make_df([1, 2, 3], ["A", "B", "C"])
display("df", "df.transpose()", globs=globals())
```

```
df
--- (3, 3) ---
   1  2  3
A  1A 2A 3A
B  1B 2B 3B
C  1C 2C 3C
```

```
df.transpose()
--- (3, 3) ---
   A  B  C
1  1A 1B 1C
2  2A 2B 2C
3  3A 3B 3C
```

SQL

```
CREATE TABLE employees (
    id INT PRIMARY KEY,
    name VARCHAR(50),
    position VARCHAR(50)
);
```

```
INSERT INTO employees (id, name, position)
VALUES (1, 'Alice Johnson', 'Software Engineer'),
       (2, 'Bob Smith', 'Data Analyst'),
       (3, 'Charlie Brown', 'Project Manager');
```

```
SELECT name
FROM employees
```