LaTeX Science Template

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1 Useful snippets

1.1 Math

Let's write some random math.

$$\bigcup_{i=0}^{n} x_i \qquad n \in \mathbb{N}$$

And an aligned equation.

$$\begin{aligned} P &= NP \\ &\vee \\ P &\neq NP \end{aligned} \tag{1}$$

1.2 Algorithm

Algorithm 1: Dijkstra's shortest path algorithm

```
1  R := ∅;
2  L(a) := 0;
3  ∀v ≠ a : L(v) := ∞;
4  while z ∉ R do
5  |  choose v ∈ V\R with lowest L(v);
6  |  R := R ∪ {v};
7  |  foreach edge (v, v') ∈ E with v' ∈ V\R do
8  |  |  L(v') := min{L(v) + w(v, v'), L(v')}
9  |  end
10 end
```

1.3 Definition & proof

Definition 1.3.1 (Example definition)**.** A definition, nicely wrapped by a `leftbar` environment.

Proof. Of course, we can't leave the proof out. □

1.4 Figure

Let's see what Figure 1 looks like. "Figure 1" in the previous sentence is a clickable reference.

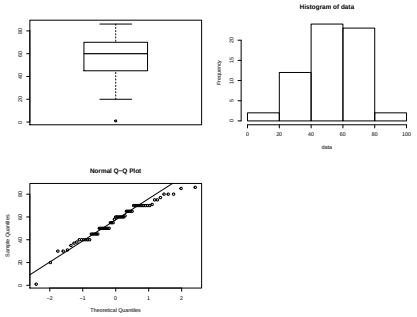


Figure 1: Example of including an image in a LaTeX document, centered and positioned exactly where it's included in the code.