

This is a simple template for setting up automatic report generation with GPkit.
To generate this file, run

```
make model.pdf
```

in this directory.

Example Model

This example model minimizes $x + 1/x$ subject to the constraint

$$x \geq x_{min}.$$

The description above is hard coded as opposed to being derived from the Python code. This is a simple and effective way to document model equations.

The full GP, derived from the Python implementation of the model, is

```
minimize     $\frac{1}{x} + x$   
subject to   $x \geq x_{min}$ 
```

Sweeping over x_{min} shows the relationship between x and x_{min} .

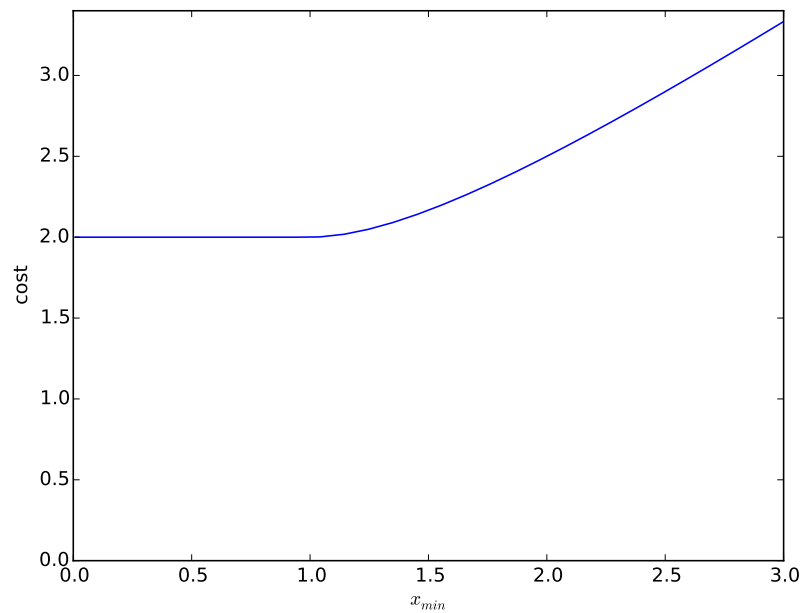


Figure 1: x_{min} only has an effect when greater than 1

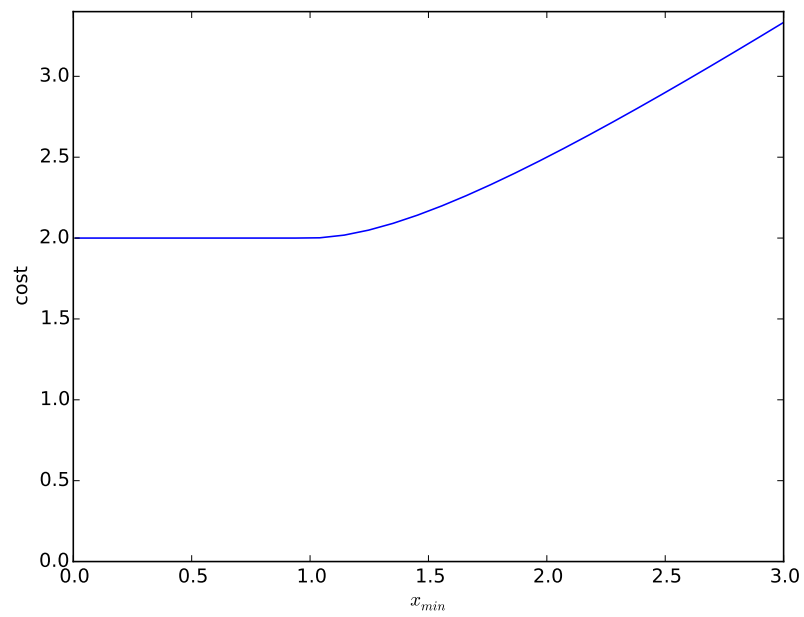


Figure 2: x_{min} only has an effect when greater than 1

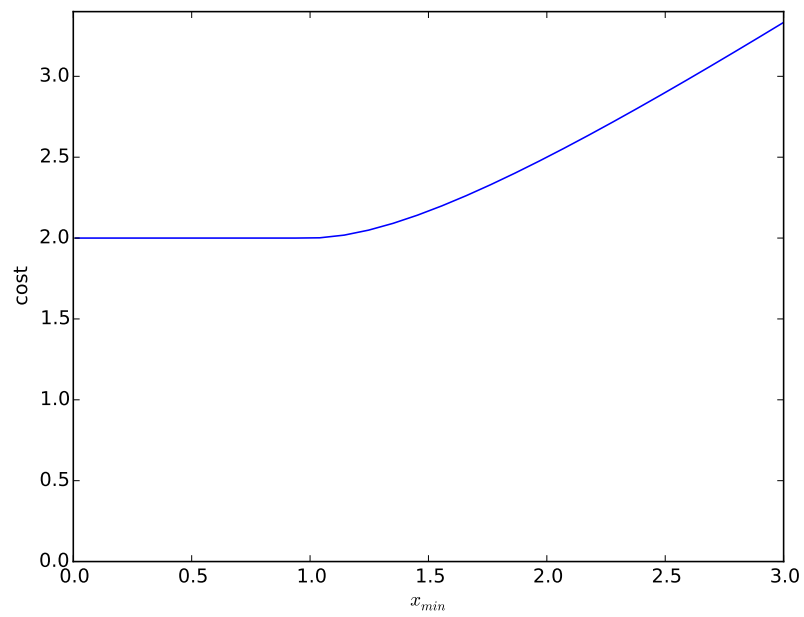


Figure 3: x_{min} only has an effect when greater than 1