Coins

1 Why

We want a simple example of modeling an uncertain outcome. We consider flipping a coin.

2 Model

The die has six sides. When we flip the coin, it lands heads or tails. Let us model this uncertain outcome with the set of outcomes $\{0, 1\}$.

If the coin lands tails, we will say that outcome 0 has occurred. If the coin lands heads, we will say that outcome 1 has occurred.