

# Some Random Algorithms for Random Things

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## **Abstract**

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## **Beta-Bernoulli Conjugate analysis**

### **Parametric Space of Interest**

**Definition 1.1** A *parametric space* is the set of all possible combinations of values for all the different parameters contained in a particular mathematical model

Given the previous definition the parametric space of interest, which is the probability of success of a single event, is  $\Theta \in [0, 1]$