From Gaffke;
$$Fr((\neg(x,...x_n)>1)? \qquad (x,...x_n \text{ are data}).$$

$$F(x) = P(\sum_{i=1}^n x_i D_i \le 1). \qquad (9)$$
there $D = (D_1,...,D_n)$ denotes a random variable which is uniformly distributed over the unit simplex in \mathbb{R}^n .
$$\left\{d = (d_1,...,d_n) \in \mathbb{R}^n : d_i \ge 0 \ (1 \le i \le n), \sum_{i=1}^n d_i \le 1\right\};$$

$$Garage Results Res$$

From Rubin's Bayesian Bootstrap:

4. Theory. Let $d=(d_1,\cdots,d_K)$ be the vector of all possible distinct values of X, and let $\theta=(\theta_1,\cdots,\theta_K)$ be the associated vector of probabilities $P(X=d_k\|\theta)=\theta_k,\qquad \sum \theta_k=1.$

Let x_1, \dots, x_n be an i.i.d. sample from (4.1) and let n_k = the number of x_i equal to d_k . If the

probability, just as they have zero probability under the sample cdf. The posterior probability for each of the n x_i is centered at 1/n but has variability. Specifically, one BB replication is generated by drawing (n-1) uniform (0,1) random variates u_1, \dots, u_{n-1} , referring them, and calculating the gaps $g_i = u_{i0} - u_{i-1}$, $i=1,\dots,n-1$ where $u_{i0} = 0$ and $u_{i0} = 1$. Then $g = (g_i,\dots,g_n)$ is the vector of probabilities to attach to the data values x_n,\dots,x_n in that BB replication. Considering all BB replications, Considering all BB replications for u_i in the u_i

For example, with $\phi=$ mean of X, in each BB replication—expanding the mean of X as if g, were the probability that $X=x_i$; that is, we calcular $\sum_{i=1}^n g_i x_i$. The distribution of the values of $\sum_{i=1}^n g_i x_i$ over all BB replications (i.e., generated by repeated draws of the g_i) is the BB distribution of the mean of X.

In "Gaffke Bonnd" notes,

$$m(x_i-x_i) = \sum_{i=1}^{n} x_i D_i + D_{n+1} \qquad (x_{n+1}=1), \quad D_i \sim D_{ir}(1).$$

$$D_{n+1}$$

$$D_{n+1}$$