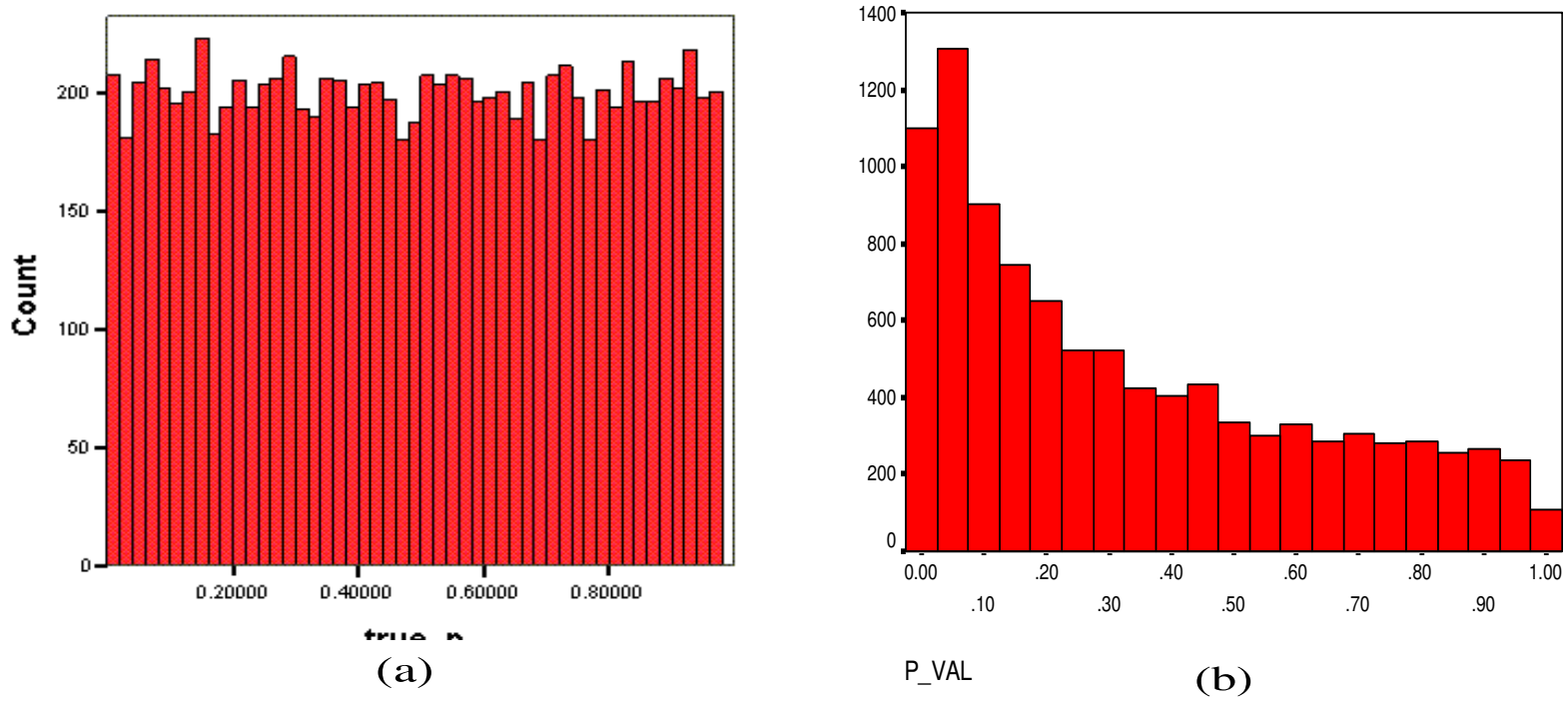

Figure 2. Mixture Model Approach from Allison et al. (2002) (a) Under the null hypothesis, the distribution of p-values is uniform on the interval [0,1] regardless of the sample size and statistical test used (as long as that test is valid), and (b) Under the alternative hypothesis, the distribution of p-values will tend to cluster closer to zero than to one.