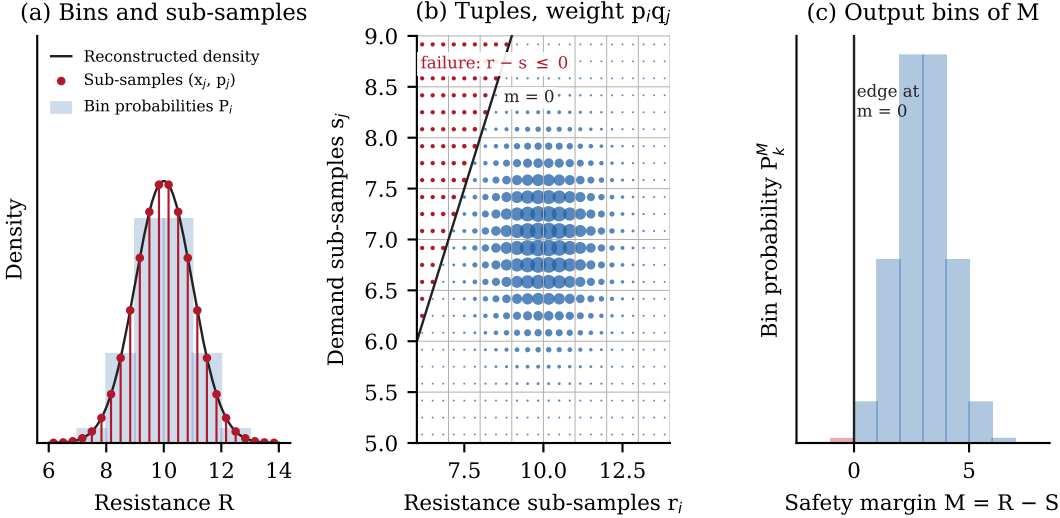
(a) Bins and sub-samples
Reconstructed density
Sub-samples (x_j, p_j)
Bin probabilities P_i
Density
6
8
10
12
14
Resistance R
(b) Tuples, weight $p_i q_j$
failure: $r - s \leq 0$
m = 0
Demand sub-samples s_j
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
7.5
10.0
12.5
Resistance sub-samples r_i
(c) Output bins of M
edge at
m = 0
Bin probability P_k^M
0
5
Safety margin M = R − S