

Impact of shape parameter

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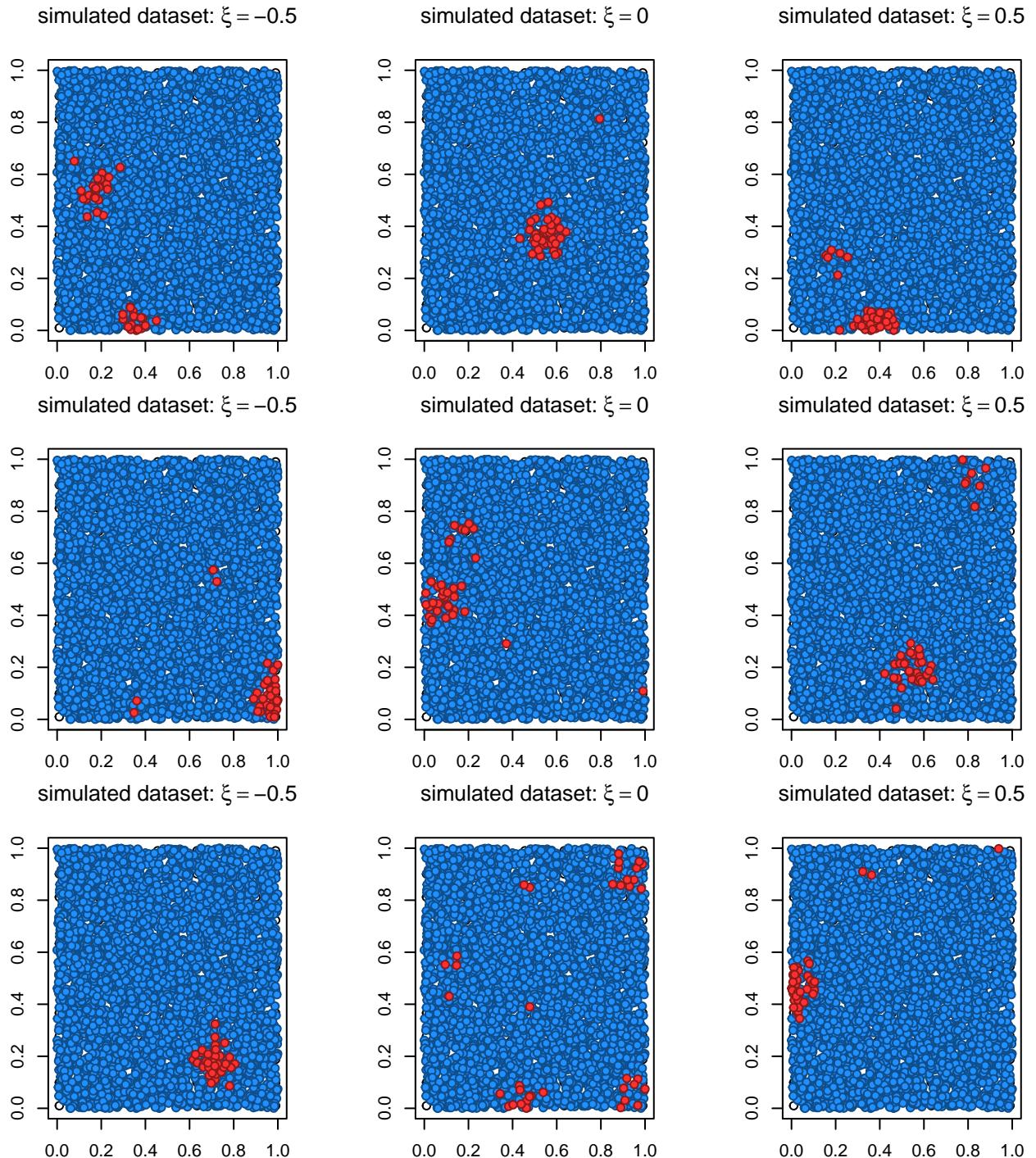
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Data settings:

We are exploring how ξ impacts the realizations. For each of the following plots, the open circles are the knot locations, the red circles represent a location where the response is 1, and the blue circles represent a location where the response is 0.

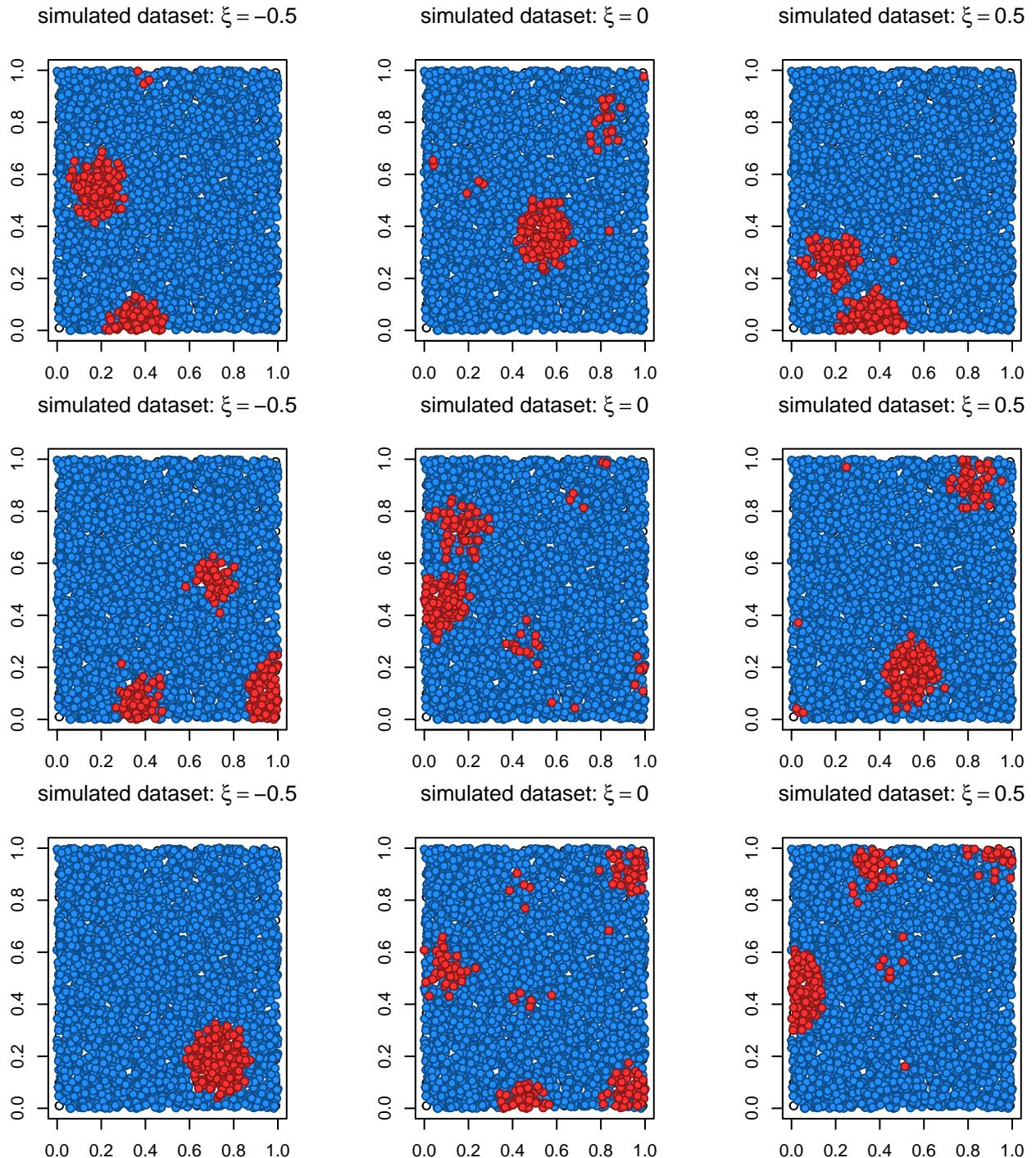
Strong spatial dependence: $\alpha = 0.2$ with $\pi = 0.01$

Sample datasets



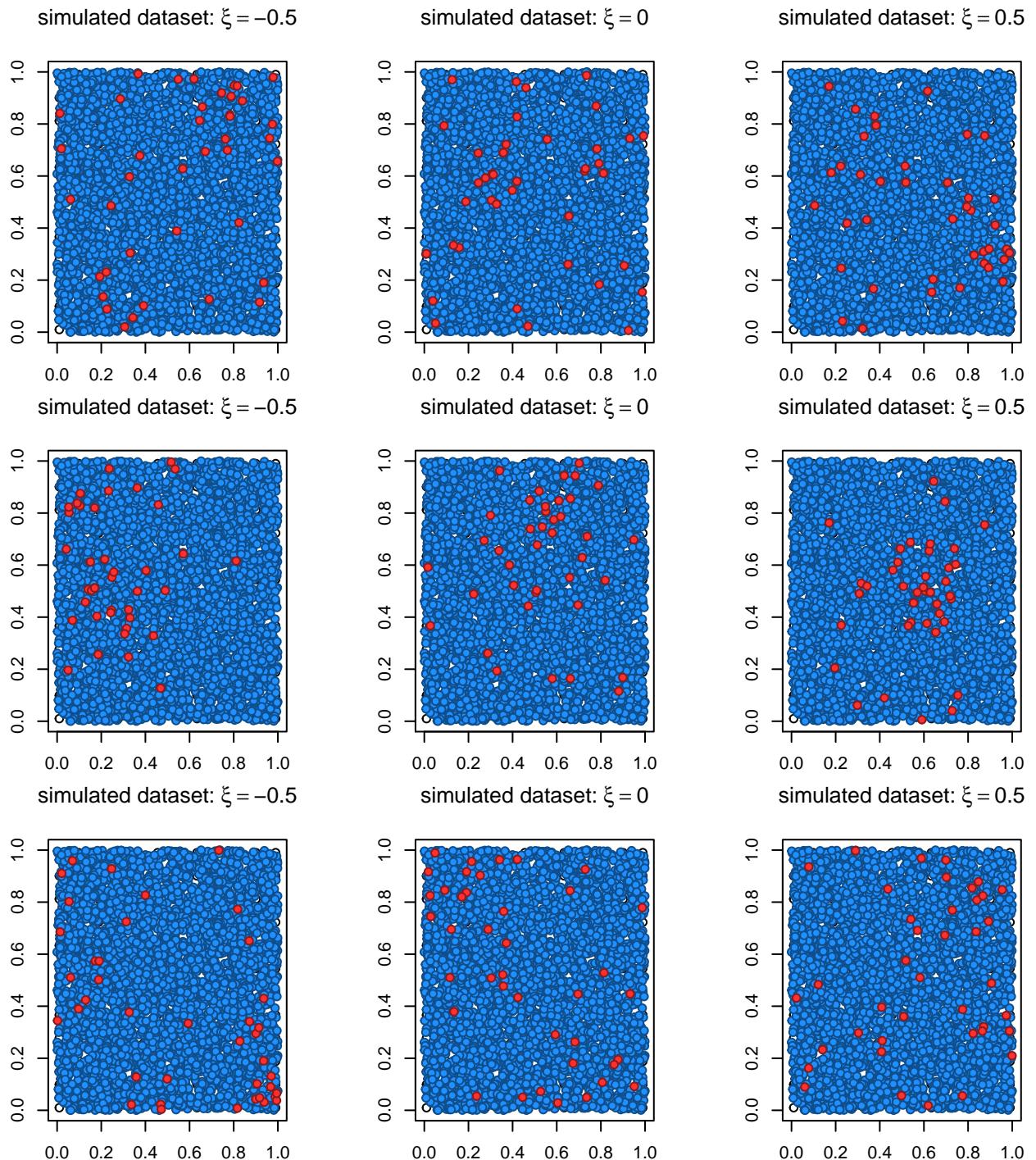
Strong spatial dependence: $\alpha = 0.2$ with $\pi = 0.05$

Sample datasets



Weak spatial dependence: $\alpha = 0.8$ with $\pi = 0.01$

Sample datasets



Weak spatial dependence: $\alpha = 0.8$ **with** $\pi = 0.05$

Sample datasets

