1

Solution

Tha solution:

$$S_t = e^{\sigma W_t + (\mu - \frac{\sigma^2}{2})t}$$

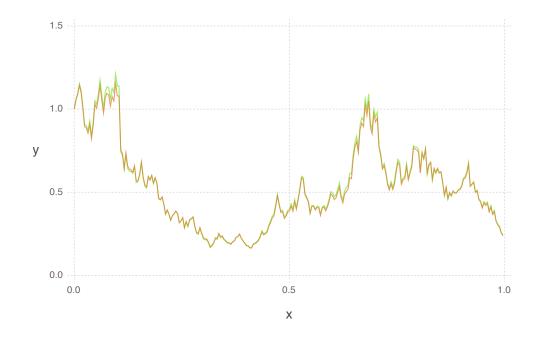
$$S_t = e^{\frac{3}{2}W_t + \frac{7}{8}t}$$

Code

Plot for N = 100, T = 1



Plot for N = 250, T = 1



Plot for N = 1000, T = 1

