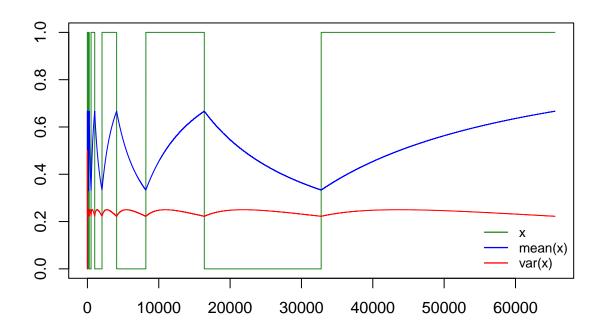
Process x

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Nov 2023

A process with finite variance but non-converging mean

- 1. Initialize as x=0, y=0 and i=1
- 2. If y==1, set y=0, y=1 otherwise
- 3. Assign 2^i times the value y to x
- 4. Set i = i + 1
- 5. Repeat steps 2-4 indefinitely



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Same with a continuous function

$$y = \sin(\log(x^k))$$

where k=3 only compresses the waves for visualization.

