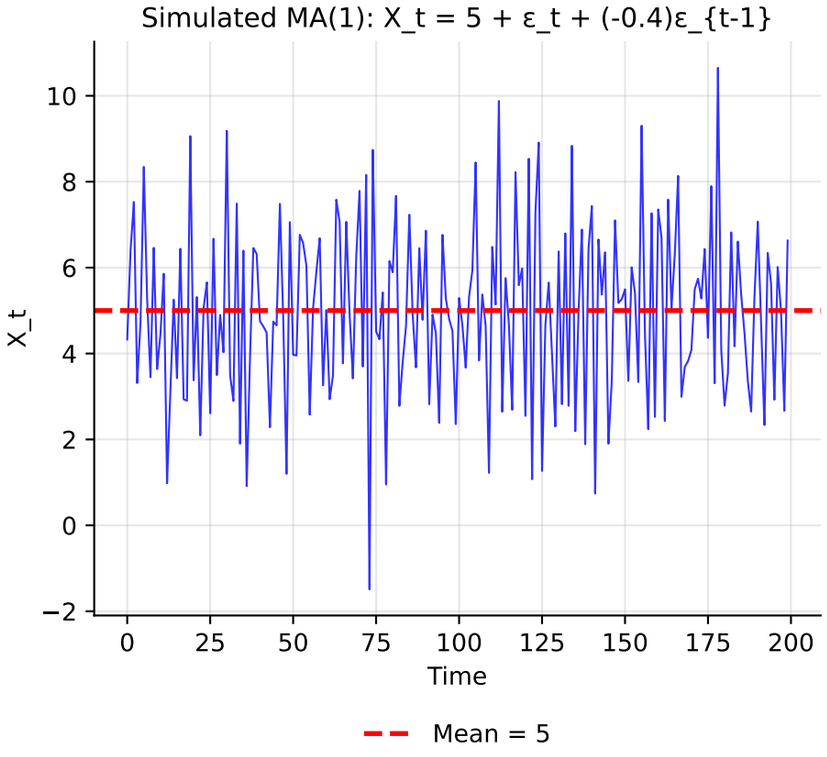

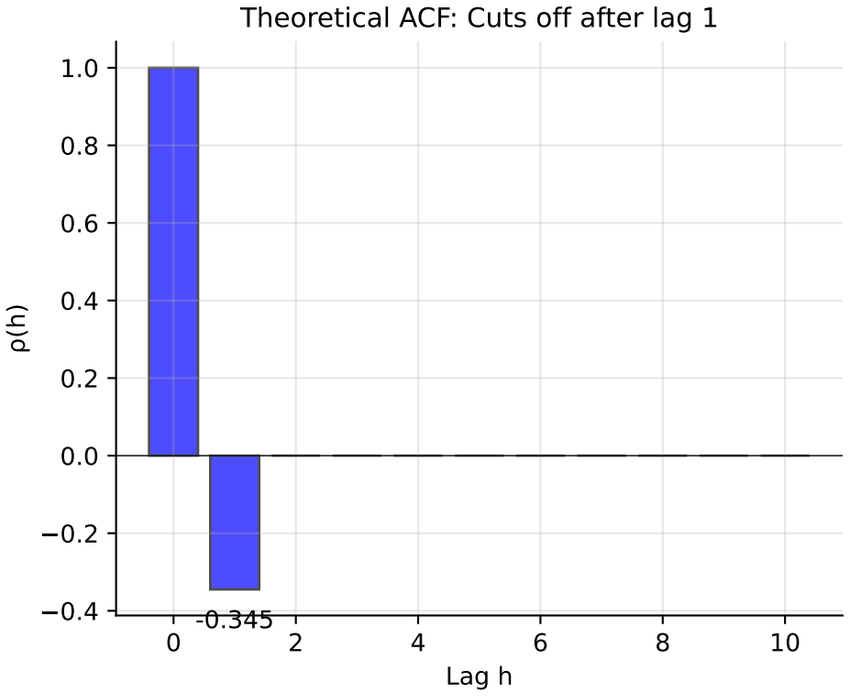


```
MA(1) Solution Summary
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Model: X_t = 5 + ε_t + (-0.4)ε_{t-1}
       ε_t ~ WN(0, 4)

Results:
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1. Mean:
   E[X_t] = 5

2. Variance:
   γ(0) = σ²(1+θ²) = 4×1.16
        = 4.64

3. Autocovariance at lag 1:
   γ(1) = θσ² = -0.4×4
        = -1.6

4. Autocorrelation:
   ρ(1) = θ/(1+θ²) = -0.3448
   ρ(h) = 0 for h > 1

5. Invertibility:
   |θ| = 0.4 < 1
   → INVERTIBLE ✓
```